



04113

First B.H.M.S. (2015) Examination, Winter 2016  
HOMOEOPATHIC PHARMACY

Total Duration : 3 Hours

Total Marks : 100

- Instructions:**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) **Draw** diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen) :

(10x2=20)

- a) What is Galenical Pharmacy ?
- b) American Homoeopathic pharmacopeia was compiled and published in year and whom ?
- c) Write sources of Homoeopathic pharmacy.
- d) What do you mean by Alkaloid and resinoid ?
- e) Name any four examples of fish group of remedies.
- f) Give the one example of medicine prepared from fungus, spores, stem, bulb.
- g) What is Pharmacopoeia ?
- h) In which aphorism Drug Proving is explained ?
- i) Write any four properties of Glycerine.
- j) Define Succussion.
- k) Write any two objects of Potentialisation.
- l) Who introduced New Method of preparation of mother tincture ?
- m) Cleansing of chopping board and knife.
- n) Preservation of Corrosive drug substances.
- o) Name the various Routes of Administration of Homoeopathic medicine.

P.T.O.

04113



2. Write short answer (**any four** out of six) : (4×5=20)
- a) Sarcodes
  - b) General rules of collection of Nosodes
  - c) Preservation of mother preparation
  - d) Class VII
  - e) Balances
  - f) Explain Doctrine of Signature.
3. Write short answer (**any four** out of six) : (4×5=20)
- a) American Homoeopathic Pharmacopoeia
  - b) Lotions
  - c) Fluxion Potency
  - d) Chief varieties of Alcohol
  - e) Globules
  - f) Standards of Mother tinctures.
4. Long answer question (**any two** out of four) : (2×10=20)
- a) Describe in detail Prescription writing.
  - b) Explain the process of Crystallisation with its use in Homoeopathic Pharmacy.
  - c) Speciality and Originality of Homoeopathic pharmacy.
  - d) What is Hahnemannian view about scope and limitation of use of External Applications ? Describe liniments.
- Long answer question (**any one** from Q. No. 5, 6 and 7) :
5. Long answer question : (1×20=20)  
Define Alcohol. Its sources, properties, preparation and uses of Alcohol.
6. Long answer question : (1×20=20)  
What is old method of classification of drugs ? Describe the preparation of mother tinctures.
7. Long answer question : (1×20=20)  
Define Homoeopathic Posology. Write in detail about selection of potency and concept of Minimum Dose.
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04111 A

**First B.H.M.S. (2015) Examination, Summer 2016**  
**ANATOMY – I**

Duration : 3 Hours

Total Marks : 100

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1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) Name any four branches of brachial artery.
- b) Name the extensors of elbow joint.
- c) What is the nerve supply of flexor digitorum profundus ?
- d) Name the structures forming floor of Cubital Fossa.
- e) What are the actions of biceps brachii ?
- f) Name the muscles responsible for Abduction of Shoulder above 90 degree.
- g) Name two Muscles supplied by Musculocutaneous nerve.
- h) Name the structures passing through the spiral groove of humerus.
- i) Name the arteries forming superficial palmar arch.
- j) Name any four deep extensor muscles placed in Forearm.
- k) Name the parts of pharynx.
- l) Name the muscles forming floor of Mouth.
- m) Name any four Para nasal air Sinuses.
- n) Name the ossicles of middle ear.
- o) Name any two Nuclei present in Cerebellum.

P.T.O.

04111 A



2. Write short answer (**any four** out of six) :

(4×5=20)

- a) Internal capsule.
- b) Occulomotor nerve.
- c) Lateral Ventricle.
- d) T.S. of Spinal Cord.
- e) Types of Fibrous Joints with examples.
- f) Notochord.

3. Write short answer (**any four** out of six) :

(4×5=20)

- a) Triceps Brachii Muscle.
- b) Axillary nerve.
- c) Flexor retinaculum.
- d) Anatomical Snuff Box.
- e) Anastomosis around Elbow Joint.
- f) Inter-muscular spaces of Scapular Region.

4. Long answer question (**any two** out of four) :

(2×10=20)

- a) Describe the anatomy of extra-ocular muscles .
- b) Write the boundaries and subdivisions of anterior triangle and describe carotid triangle in detail.
- c) Describe Anatomy of Parotid Gland.
- d) Describe the anatomy of Scalp.

Long answer question (**any one** from Q. No. 5, 6 and 7) :

5. Long answer question :

(1×20=20)

Write in detail Anatomy of Elbow Joint with suitable diagrams.

6. Long answer question :

(1×20=20)

Describe in detail the anatomy of Axillary artery.

7. Long answer question :

(1×20=20)

Describe the anatomy of brachial plexus.

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04111B

**First B.H.M.S. (2015) Examination, Summer 2016**  
**ANATOMY – II**

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Total Marks : 100

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  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever** necessary.
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1. Write short answer (**any ten** out of fifteen) : (10×2=20)
- a) Write two tributaries of Portal vein.
  - b) Write two parts of Male Urethra.
  - c) Write two ligaments of spleen.
  - d) Mention two posterior abdominal wall muscles.
  - e) Mention two contents of Pudendal canal.
  - f) Mention two Superficial branches of Femoral artery within Femoral triangle.
  - g) Mention two Boundaries of Adductor canal.
  - h) Mention two Hamstring muscles.
  - i) Write any 2 important features of Soleus.
  - j) Mention two muscles supplied by Obturator nerve.
  - k) Mention two contents of Intercostal spaces.
  - l) Write any 2 structures passing through Inlet of Thorax.
  - m) Mention number of Bronchopulmonary segments present in Rt. and Lt. Lung.
  - n) Write 2 important structures of Rt. Atrium.
  - o) Write two main tributaries of superior vena cava.

P.T.O.



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**HOMOEOPATHIC PHARMACY**

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1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) Define Homoeopathic pharmacy.
- b) What are the number of monographs present in 1<sup>st</sup> and 2<sup>nd</sup> HPI ?
- c) First pharmacopoeia published by Dr. Caspari in which year and its name ?
- d) Give two example drugs prepared from Roots, Bulbs.
- e) Name the active principle Nux Vomica, Opium, Ipecac, Aconite.
- f) What is the proper time for collection of the plants ?
- g) Define Pharmacology.
- h) Who is an Ideal prover and its qualities ?
- i) What is the chemical formula and molecular weight of sugar of milk ?
- j) Write two important objects of potentiation.
- k) Write down the meaning of BD, SOS, Hora, HS.
- l) What is the uniform drug strength of sulphur and phosphorus by new method ?
- m) Name the Drying Agent used in Dessicator.
- n) How are venoms preserved ?
- o) What is olfaction ?

P.T.O.

04113



2. Write short answer (**any four** out of six) : (4×5=20)
- a) Mineral Source.
  - b) Collection of drugs belonging to vegetable source.
  - c) Branches of Hom pharmacy.
  - d) Imponderbelia.
  - e) Explain Doctrine of Signature.
  - f) Mortar and Pestle.

3. Write short answer (**any four** out of six) : (4×5=20)
- a) American Homoeopathic Pharmacopoeia.
  - b) Embrocations.
  - c) Preparation of Dose for L.M. potency.
  - d) Preparation of sugar of milk.
  - e) Placebo.
  - f) Biological Evaluation.

4. Long answer question (**any two** out of four) : (2×10=20)
- a) Define Prescription writing. Write in detail about parts, ideals and example of Prescription.
  - b) What is Sublimation ? Describe process in detail with its uses.
  - c) What is speciality and originality of Homoeopathic Pharmacy ?
  - d) What are External applications ? Describe the preparation and uses of ointments.

Long answer question (**any one** from Q. No. 5, 6 and 7) :

5. Long answer question : (1×20=20)
- What are various sources of homoeopathic drugs. Describe Plant and Vegetable source. What are Nosodes ?

6. Long answer question : (1×20=20)
- Define Percolation, principle of percolation, process of percolation and difference between Maceration and Percolation.

7. Long answer question : (1×20=20)
- What is Posology ? What are various types of doses ? Explain the concept of Minimum Dose.



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1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) Define homoeopathic pharmacy.
- b) Mention the sources of homoeopathic pharmacy.
- c) In which year the first Indian Homoeopathic Pharmacopoeia was published ?  
How many volumes ?
- d) Mention the medicines prepared from roots only.
- e) Give four examples of sarcodes.
- f) How will you collect flowers and stems ?
- g) Define pharmacodynamics.
- h) Define succussion.
- i) What are methods of drug proving ?
- j) Define potentisation ?
- k) Write full form and meaning of C.M. and H.S.
- l) Write down the ratio of the drug substance to the vehicle Class II and IV.
- m) Cleansing of porcelain mortar and pestle.
- n) How will you do preservation of mother tincture ?
- o) Dispensing of L. M. potency.

P.T.O.





2. Write short answer (any four out of six) :

(4×5=20)

- a) Vegetable sources.
- b) Collection of animal sources.
- c) Water bath.
- d) Doctorine of signature.
- e) Preservation of drug substances and potentised medicine.
- f) History of evolution of homoeopathic pharmacy.

3. Write short answer (any four out of six) :

(4×5=20)

- a) Define pharmacopoeia. Explain German homoeopathic pharmacopoeia.
- b) Explain jumping and straight potency.
- c) Preparations of liniment and lotion.
- d) Properties and uses of glycerine.
- e) Explain Staphs Process.
- f) Organoleptic Evaluation.

4. Long answer question (any two out of four) :

(2×10=20)

- a) What is speciality and originality of Homoeopathic Pharmacy ?
- b) Define and describe prescription writing with its legibility and importance.
- c) Explain decantation and filtration.
- d) What is Hahnemanian view about scope and limitations of use of external application ? Explain fomentations.

Long answer question (any one from Q. No. 5, 6 and 7) :

5. Long answer question :

(1×20=20)

Define vehicles. Classification of vehicles. Describe the preparation, sources, uses and impurities in Alcohol.

6. Long answer question :

(1×20=20)

What is old method of classification of drugs ? Explain in detail the preparation of mother powders.

7. Long answer question :

(1×20=20)

Define posology. Write in detail about of selection of potency and the concept of Minimum Dose.

First B.H.M.S. (2015) Examination, Summer 2016  
 PHYSIOLOGY INCLUDING BIOCHEMISTRY – I

Duration : 3 Hours

Total Marks : 100

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1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) Define ESR and normal values of ESR.
- b) Name the plasma proteins.
- c) Name the types of Haemoglobin.
- d) Name the special junctional tissues of heart.
- e) Name the different valves of the heart.
- f) What is stroke volume? Give its normal value.
- g) Define hypoxia & state its types.
- h) What is tidal volume?
- i) Define Micturation.
- j) State the different parts of renal nephron.
- k) State the normal body temperature.
- l) Name the glands of the skin.
- m) Name the different layers of skin .
- n) What is diffusion?
- o) Define colloids.

04112 A



2. Write short answer (**any four** out of six) : (4×5=20)
- a) Write the significance of Rh factor.
  - b) Leucocytes.
  - c) Heart sounds.
  - d) Waves of ECG.
  - e) Composition of lymph.
  - f) Different cells of RE system.
3. Write short answer (**any four** out of six) : (4×5=20)
- a) Nephron.
  - b) Normal constituents of urine.
  - c) Artificial respiration.
  - d) Fatigue.
  - e) Surfactant.
  - f) Functions of skin.
4. Long answer question (**any two** out of four) : (2×10=20)
- a) What are different systems of blood grouping? Describe ABO system of Blood grouping.
  - b) Describe nervous regulation of Blood pressure.
  - c) Describe Lung volumes and capacities.
  - d) Describe the role of hypothalamus in regulation of body temperature.

Long answer question (**any one** from Q. No. 5, 6 and 7) :

5. Long answer question : (1×20=20)  
Discuss Cardiac cycle in detail with the help of a neat labelled diagram.
6. Long answer question : (1×20=20)  
Describe regulation of respiration in detail.
7. Long answer question : (1×20=20)  
Describe the various parts of the nephron with the help of a neat labelled diagram.
-



04112 B

**First B.H.M.S. (2015) Examination, Summer 2016  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – II**

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1. Write short answer (any ten out of fifteen) : (10×2=20)
- a) Give functions of ADH.
  - b) What is tetany ?
  - c) Give function of calcitonin hormone.
  - d) Name the different movements of small intestine.
  - e) What is dysphagia ?
  - f) Give any two functions of pancreatic juice.
  - g) What are types of bile salts ?
  - h) Write two functions of testosterone.
  - i) Define menopause and what is its age ?
  - j) What is ovulation ?
  - k) Name sources of estrogen ?
  - l) What are the sources of Vit.C ?
  - m) Enumerate signs of vitamin D deficiency.
  - n) Define vitamin and name the water soluble vitamins.
  - o) Deficiency of which vitamin causes megaloblastic anaemia ?

P.T.O.



2. Write short answer (**any four** out of six) : (4×5=20)
- Aldosterone.
  - Diabetes Mellitus.
  - What is deglutition ?
  - Nervous phase of gastric juice secretion.
  - Beta oxidation.
  - Functions of proteins.
3. Write short answer (**any four** out of six) : (4×5=20)
- Beriberi.
  - Scurvy.
  - Spermatogenesis.
  - Functions of oxytocin.
  - What is balance diet ? Give functions of its contents.
  - Obesity.
4. Long answer question (**any two** out of four) : (2×10=20)
- Functions of  $T_3$  and  $T_4$ .
  - Describe digestion and absorption of carbohydrates in details.
  - Explain menstruation and Add a note on the hormones regulating.
  - Describe functions of hypothalamus.

Long answer question (**any one** from Q. No. 5, 6 and 7)

- Write hormones of anterior pituitary and describe growth hormone with functions applied and regulation of secretion. (1×20=20)
- Describe the composition, function and mechanism of secretion of saliva with clinical applied aspects. (1×20=20)
- Describe in detail visual pathway with various refractory errors. (1×20=20)



04111 A

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ANATOMY – I

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1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) Write the structure related to surgical neck of humerus.
- b) Write the muscle attached on superior and inferior angle of scapula.
- c) Write two ligaments attached to lateral end of clavicle.
- d) Name any two carpal bone of Distal row.
- e) Mention any two branches of Lower cord of Brachial plexus.
- f) Name the muscles forming triangular space.
- g) Mention origin and insertion of Brachialis Muscle.
- h) Name any two thenar muscle.
- i) Write two Structure passes below superficial flexor retinaculum.
- j) Mention any two branches of Third part of axillary artery.
- k) Mention any two branches of external carotid artery.
  - l) Name any two infrahyoid muscle.
- m) Mention any two bones of lateral wall of nose.
- n) Mention any two branches of facial nerve.
- o) Write any two parts of corpus callosum.

P.T.O.

04111 A



2. Write short answer (**any four** out of six) :

(4×5=20)

- a) Lateral Ventricle.
- b) Cerebral cortex.
- c) Ossification of Long Bone.
- d) Optic Nerve.
- e) Downs Syndrome.
- f) Placenta.

3. Write short answer (**any four** out of six) :

(4×5=20)

- a) Erb's paralysis.
- b) Boundaries and content of Axilla.
- c) Latissimus dorsi muscle.
- d) Musculocutaneous nerve.
- e) Ligaments and movements of wrist joint.
- f) Radial artery.

4. Long answer question (**any two** out of four) :

(2×10=20)

- a) Describe in detail anatomy of Middle Ear.
- b) Sub mandibular salivary gland.
- c) Describe in detail Oesophagus.
- d) Describe Palatine tonsil.

Long answer question (**any one** from Q. No. 5, 6 and 7) :

5. Long answer question :

(1×20=20)

Describe in detail Elbow joint with its applied anatomy.

6. Long answer question :

(1×20=20)

Describe in detail anatomy of Mammary gland its lymphatics and applied anatomy.

7. Long answer question :

(1×20=20)

Describe the anatomy of Median nerve.

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1. Write short answer (any ten out of fifteen) : (10×2=20)
- a) What is blood volume ? Write normal blood volume.
  - b) Give normal value of clotting time. What is haemophilia ?
  - c) What is purpura ?
  - d) Define cardiac cycle.
  - e) What are junctional tissues of the heart ?
  - f) Define ECG.
  - g) Define respiration.
  - h) What is dysbarism ?
  - i) What is GFR ? Write its normal value.
  - j) What are the hormones secreted by kidney ?
  - k) What is hyperthermia ?
  - l) What are layers of epidermis ?
  - m) What are melanocytes ?
  - n) What is simple diffusion ?
  - o) What is surface tension ?



04112 A



(4×5=20)

2. Write short answer (any four out of six) :

- a) Functions of leucocytes
- b) ESR and its significance
- c) Heart rate
- d) Heart sounds
- e) Composition of lymph
- f) RE system.

(4×5=20)

3. Write short answer (any four out of six) :

- a) Abnormal constituents of urine
- b) Nephron
- c) Neuromuscular junction
- d) Hypoxia
- e) Lung Volumes
- f) Functions of skin.

(2×10=20)

4. Long answer question (any two out of four) :

- a) Write composition and functions of blood.
- b) What is cardiac output ? What are factors affecting cardiac output ?
- c) Explain nervous regulation of respiration.
- d) What is normal body temperature ? Explain regulation of body temperature.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Long answer question :

(1×20=20)

- Describe ABO blood group system and Rh factor. Add an answer on mismatched blood transfusion.

6. Long answer question :

(1×20=20)

- Explain the mechanics of breathing. Add an answer on lung compliance.

7. Long answer question :

(1×20=20)

- Discuss renal function tests in detail.

7.



04112 B

**First B.H.M.S. (2015) Examination, Winter 2016  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – II**

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  - 3) **All questions are compulsory.**
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  - 5) Draw diagrams **wherever necessary**.
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1. Write short answer (**any ten out of fifteen**) :

(10×2=20)

- a) Write two Hormones of adrenal medulla.
- b) Name two target organs of oxytocin.
- c) Name the hormones of adrenal cortex.
- d) What is deglutition.
- e) Name the movements of small intestine.
- f) Name three hormones of gastrointestinal tract.
- g) Functions of small intestine.
- h) Name the stages of spermatogenesis.
- i) Name the phases of (uterine cycle) menstruation.
- j) Write two signs of pellagra.
- k) What is beriberi.
- l) What are the sources of Vitamin D.
- m) What is coenzyme.
- n) Define menstrual cycle.
- o) Name the fat soluble vitamins.

P.T.O.

04112 B



2. Write short answer (any four out of six) :

(4×5=20)

- a) Write short note on growth hormone.
- b) Write in short about hypothyroidism.
- c) Functions of saliva.
- d) Movements of large intestine.
- e) Digestion of carbohydrate.
- f) Glycolysis.

3. Write short answer (any four out of six) :

(4×5=20)

- a) Vitamin A.
- b) Vitamin C.
- c) Explain urine pregnancy test.
- d) Classification of enzymes.
- e) Balanced diet in pregnancy and lactation.
- f) Obesity.

4. Long Answer Question (any two out of four) :

(2×10=20)

- a) Explain the functions and regulation of parathormone.
- b) Composition & functions of pancreatic juice.
- c) Give an account on puberty changes in male and female.
- d) What is neurone? Describe the structure of neurone.

Long Answer Question (any one from Q. No. 5, 6 and 7)

(1×20=20)

Long Answer Question :

5. Describe synthesis, storage, release, transport & functions of thyroid hormones. (1×20=20)

Long Answer Question :

6. Define menstrual cycle, explain ovarian and uterine changes during menstruation. (1×20=20)

Long Answer Question :

7. Explain taste bud and gustatory pathway with neat diagram.

(1×20=20)

**First B.H.M.S. (2015) Examination, Winter 2016  
HOMOEOPATHIC PHARMACY**

Total Duration : 3 Hours

Total Marks : 100

- Instructions:**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) **Draw diagrams wherever necessary.**
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen) :

(10x2=20)

- a) What is Galenical Pharmacy ?
- b) American Homoeopathic pharmacopeia was compiled and published in year and whom ?
- c) Write sources of Homoeopathic pharmacy.
- d) What do you mean by Alkaloid and resinoid ?
- e) Name any four examples of fish group of remedies.
- f) Give the one example of medicine prepared from fungus, spores, stem, bulb.
- g) What is Pharmacopexy ?
- h) In which aphorism Drug Proving is explained ?
- i) Write any four properties of Glycerine.
- j) Define Succussion.
- k) Write any two objects of Potentialisation.
- l) Who introduced New Method of preparation of mother tincture ?
- m) Cleansing of chopping board and knife.
- n) Preservation of Corrosive drug substances.
- o) Name the various Routes of Administration of Homoeopathic medicine.

P.T.O.

04113



2. Write short answer (any four out of six) :

(4×5=20)

- a) Sarcodes
- b) General rules of collection of Nosodes
- c) Preservation of mother preparation
- d) Class VII
- e) Balances
- f) Explain Doctrine of Signature.

3. Write short answer (any four out of six) :

(4×5=20)

- a) American Homoeopathic Pharmacopoeia
- b) Lotions
- c) Fluxion Potency
- d) Chief varieties of Alcohol
- e) Globules
- f) Standards of Mother tinctures.

4. Long answer question (any two out of four) :

(2×10=20)

- a) Describe in detail Prescription writing.
- b) Explain the process of Crystallisation with its use in Homoeopathic Pharmacy.
- c) Speciality and Originality of Homoeopathic pharmacy.
- d) What is Hahnemannian view about scope and limitation of use of External Applications ? Describe liniments.

Long answer question (any one from Q. No. 5, 6 and 7) :

5. Long answer question :

(1×20=20)

Define Alcohol. Its sources, properties, preparation and uses of Alcohol.

6. Long answer question :

(1×20=20)

What is old method of classification of drugs ? Describe the preparation of mother tinctures.

7. Long answer question :

(1×20=20)

Define Homoeopathic Posology. Write in detail about selection of potency and concept of Minimum Dose.



04112 A

First B.H.M.S. (2015) Examination, Summer 2017  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – I

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use blue/black ball point pen only.
  - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) All questions are compulsory.
  - 4) The number to the right indicates full marks.
  - 5) Draw diagrams wherever necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) Define Blood.
- b) Define cardiac output.
- c) Give Normal value of platelets.
- d) Give normal pulse rate.
- e) What is a.v. Node ?
- f) What is cyanosis ?
- g) What is normal Respiratory rate ?
- h) What is Tidal volumes ?
  - i) Define Renal Filtrating membrane.
  - j) Define micturation.
- k) Normal core body temperature and shell body temperature.
  - l) Function of skin.
- m) What are the layer of Epidermis ?
- n) Function of aveoli.
- o) What is colloid ?

P.T.O.

04112 A



2. Write short answer (**any four out of six**) :

(4×5=20)

- Define erythrocyte.
- Define WBC and classification with function.
- What is E.C.G. ?
- Properties of Cardiac muscle.
- Define lymph with its function.
- Function of spleen.

3. Write short answer (**any four out of six**) :

(4×5=20)

- Juxta Glomerular Apparatus.
- Write in short about Renal circulation.
- Functions of muscular tissue.
- Lung Volume and Capacities.
- Artificial respirations.
- Function of skin.

4. Long answer question (**any two out of four**) :

(2×10=20)

- Write in detail about structure of Haemoglobin and its physiological importance.
- Write in detail about Regulation of Blood Pressure.
- Write in detail Transport of O<sub>2</sub> (Oxygen) in relation with respiration.
- Write in detail about Thermoregulation.

Long answer question (**any one** from Q. No. 5, 6 and 7) :

5. Long answer question :

(1×20=20)

Write in detail about erythropoiesis, site for it, stages of erythropoiesis, and factors affecting on it.

6. Long answer question :

(1×20=20)

Define Respiration, give its mechanism, with neural control and chemical control and its applied physiology.

7. Long answer question :

(1×20=20)

Write in detail about mechanism of urine formation with the help of ultra filtration, tubular reabsorption, tubular secretion and give its applied physiology.

Sum 12-1  
2



04112 B

First B.H.M.S. (2015) Examination, Summer 2017  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – II

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) **The number to the right indicates full marks.**
  - 5) **Draw diagrams wherever necessary.**
  - 6) **Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.**

1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) What is Puberty ?
- b) Define vitamins.
- c) What is dysmenorrhoea ?
- d) Name the hormones of ovary. *secreted by the ovary*
- e) Name two Bile Salts.
- f) Hormones secreted by testis.
- g) Functions of Oxytocin.
- h) Name different types of papillae.
- i) Functions of Placenta.
- j) Name the functions of Stomach.
- k) Name the fat soluble vitamins.
- l) Applied related to salivary secretion.
- m) Name the hormones of Posterior Pituitary.
- n) Define vomiting.
- o) Name the hormones secreted by Thyroid.

*Sum 14 11*



04112 B



2. Write short answer (**any four** out of six) : (4x5=20)
- a) Glycolysis
  - b) Dwarfism
  - c) Peristalsis
  - d) Functions of Tongue
  - e) Amino acids
  - f) Function of gastrin.

3. Write short answer (**any four** out of six) : (4x5=20)
- a) Obesity
  - b) Enzymes
  - c) Functions of Testosterone
  - d) Formation of mature ovum
  - e) Beri-Beri
  - f) Rickets.

4. Long answer question (**any two** out of four) : (2x10=20)
- a) Define and Describe Neurone.
  - b) Write Composition and functions of pancreatic Juice.
  - c) Enumerate hormones secreted by pancreas and add a note on insulin hormone.
  - d) Describe menstrual cycle.

Long answer question (**any one** from Q. No. 5, 6 and 7).

5. Long answer question. (1x20=20)  
Enumerate hormones secreted by anterior pituitary and describe in details growth hormone.
6. Long answer question. (1x20=20)  
Write the composition Functions and mechanism of secretion of gastric Juice.
7. Long answer question. (1x20=20)  
Write in details about Pathway of ~~test~~ taste with its applied. physiology

taste

physiology  
sum 17 TI  
②



04113

**First B.H.M.S. (2015) Examination, Summer 2017**  
**HOMOEOPATHIC PHARMACY**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) Define Homoeopathic pharmacy.
- b) What are the number of monographs present in 1<sup>st</sup> and 2<sup>nd</sup> HPI ?
- c) First pharmacopoeia published by Dr. Caspari in which year and its name ?
- d) Give two example drugs prepared from Roots, Bulbs.
- e) Name the active principle Nux Vomica, Opium, Ipecac, Aconite.
- f) What is the proper time for collection of the plants ?
- g) Define Pharmacology.
- h) Who is an Ideal prover and its qualities ?
- i) What is the chemical formula and molecular weight of sugar of milk ?
- j) Write two important objects of potentisation.
- k) Write down the meaning of BD, SOS, Hora, HS.
- l) What is the uniform drug strength of sulphur and phosphorus by new method ?
- m) Name the Drying Agent used in Dessicator.
- n) How are venoms preserved ?
- o) What is olfaction ?

P.T.O.



04113

(4×5=20)

2. Write short answer (**any four** out of six) :
- Mineral Source.
  - Collection of drugs belonging to vegetable source.
  - Branches of Hom pharmacy.
  - Imponderbelia.
  - Explain Doctrine of Signature.
  - Mortar and Pestle.

(4×5=20)

3. Write short answer (**any four** out of six) :
- American Homoeopathic Pharmacopoeia.
  - Embrocations.
  - Preparation of Dose for L.M. potency.
  - Preparation of sugar of milk.
  - Placebo.
  - Biological Evaluation.

(2×10=20)

4. Long answer question (**any two** out of four) :
- Define Prescription writing. Write in detail about parts, ideals and example of Prescription.
  - What is Sublimation ? Describe process in detail with its uses.
  - What is speciality and originality of Homoeopathic Pharmacy ?
  - What are External applications ? Describe the preparation and uses of ointments.

Long answer question (**any one** from Q. No. 5, 6 and 7) :

5. Long answer question : (1×20=20)

What are various sources of homoeopathic drugs. Describe Plant and Vegetable source. What are Nosodes ?

6. Long answer question : (1×20=20)

Define Percolation, principle of percolation, process of percolation and difference between Maceration and Percolation.

7. Long answer question : (1×20=20)

What is Posology ? What are various types of doses ? Explain the concept of Minimum Dose.



04111 A

First B.H.M.S. (New/2015) Examination, Winter 2017  
ANATOMY – I

Total Duration : 3 Hours

Total Marks : 100

- Instructions:**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) :

(10×2=20)

- a) Mention any two nerves related to humerus.
- b) Mention any two muscles attached to medial border of scapula.
- c) Mention the origin insertion of coracobrachialis muscle.
- d) Name the carpal bone lies in Distal row.
- e) Mention any two contain of Cubital Fossa.
- f) Mention any two branches of Upper-cord of Brachial plexus.
- g) Name the muscles originated from supra and infra glenoid tubercle of scapula.
- h) Name the arteries which supply Breast.
- i) Write the structure passes deep to flexor retinaculum.
- j) Write name of any two Hypothenar Muscles.
- k) Mention blood supply of thyroid gland.
- l) Name any two infrahyoid Muscles.
- m) Write any two branches of Facial Nerve.
- n) Name any two unpaired venous Sinuses.
- o) Mention any two muscles of mastication.

P.T.O.



2. Write short answer (any four out of six) : (4×5=20)
- a) Internal Capsule.
  - b) Third Ventricle.
  - c) Classification of joint.
  - d) Optic nerve.
  - e) Oogenesis.
  - f) Placenta.
3. Write short answer (any four out of six) : (4×5=20)
- a) Musculocutaneous nerve.
  - b) Superior and inf. Radio-Ulnar joint.
  - c) Anastomosis around elbow.
  - d) Extensor Retinaculum.
  - e) Deltoid Muscle.
  - f) Anatomical Snuff Box.
4. Long answer question (any two out of four) : (2×10=20)
- a) Describe in detail anatomy of posterior triangle.
  - b) Describe in detail anatomy of Parotid gland.
  - c) Describe in detail External Carotid Artery.
  - d) Describe in detail anatomy of lateral wall of nose.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Long answer question : (1×20=20)  
Describe in detail anatomy of Shoulder joint with its applied anatomy.
6. Long answer question : (1×20=20)  
Describe in detail anatomy of Axillary artery.
7. Long answer question : (1×20=20)  
Describe in detail Radial nerve with its Applied anatomy.



First B.H.M.S. (New/2015) Examination, Winter 2017  
ANATOMY – II

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*

1. Write short answer (**any ten** out of fifteen) : (10×2=20)
- a) Name any two structures forming Stomach bed.
  - b) Mention different positions of Vermiform Appendix.
  - c) Write the names of any 2 branches of Abdominal Aorta.
  - d) Write any 2 differences between Jejunum and Ileum.
  - e) Name the coverings of Testes.
  - f) Write the names of muscles producing Locking and Unlocking of Knee Joint.
  - g) Write the names of muscles of Anterior Compartment of Leg.
  - h) Name the structures passing deep to Flexor Retinaculum of Ankle Joint.
  - i) Name the Hamstring muscles.
  - j) Name the branches of Popliteal Artery.
  - k) Name the recesses of Pleura.
  - l) Name the contents of hilum of Right lung.
  - m) Name the valves of heart.
  - n) Write any 4 differences between Right Lung and Left Lung.
  - o) Write the names of structures forming boundaries of Superior Mediastinum.



(4×5=20)

2. Write short answer (any four out of six) :

- a) Right Atrium.
- b) Conducting System of Heart.
- c) Arch of Aorta.
- d) Pleura.
- e) Thoracic duct.
- f) Trachea.

(4×5=20)

3. Write short answer (any four out of six) :

- a) Femoral Triangle.
- b) Dorsalis Pedis Artery.
- c) Gluteus Maximus.
- d) Histology of Stomach.
- e) Histology of Thyroid gland.
- f) Histology of Skeletal Muscle.

(2×10=20)

4. Long answer question (any two out of four) :

- a) Describe Obturator Nerve in detail.
- b) Describe Ankle joint in detail.
- c) Describe Hamstring muscles in detail.
- d) Describe Great Saphenous Vein in detail.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Long answer question :

Describe the Anatomy of Liver in detail.

(1×20=20)

6. Long answer question :

Describe the Anatomy of Right Kidney in detail.

(1×20=20)

7. Long answer question :

Describe the Anatomy of Uterus in detail.

(1×20=20)

First B.H.M.S. (New/2015) Examination, Winter 2017  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – I

Total Duration : 3 Hours

Total Marks : 100

- Instructions:**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) Define blood.
- b) What is Thrombocytopenia ?
- c) Name types of Haemoglobin.
- d) Name the Special Junctional Tissues of Heart.
- e) Define Cardiac Cycle.
- f) What is Pulse ?
- g) What is Asphyxia ?
- h) Define cyanosis.
- i) Name different parts of nephron.
- j) Name stages of Urine formation.
- k) Name the Glands in skin.
- l) Define thermogenesis and thermolysis.
- m) Define ultrafiltration.
- n) Define Osmosis.
- o) Define Hyperpyrexia and pyrexia.

P.T.O.





2. Write short answer (any four out of six) :

(4×5=20)

- a) Thrombocyte.
- b) R H Factor.
- c) Heart Sound.
- d) Cardiac Output.
- e) Formation of lymph.
- f) Function of liver-Spleen

3. Write short answer (any four out of six) :

(4×5=20)

- a) Juxta -Glomerular Apparatus.
- b) Abnormal constituents of urine.
- c) Muscle Fatigue.
- d) Anoxia.
- e) Nervous control of respiration.
- f) Skin-Functions.

4. Long answer question (any two out of four) :

(2×10=20)

- a) Explain Leucocytes in detail.
- b) Explain-Regulation of Heart rate.
- c) Explain Mechanism of Respiration.
- d) Explain concept of regulation of body temperature.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Long answer question :

(1×20=20)

Explain- mechanism of coagulation of blood.

6. Long answer question :

(1×20=20)

Write concept of oxygen transport with Oxygen haemoglobin dissociation curve.

7. Long answer question :

(1×20=20)

Write concept of Micturation Reflex with regulation.



04112 B

First B.H.M.S. (New/2015) Examination, Winter 2017  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – II

Total Duration : 3 Hours

Total Marks : 100

**Instructions :** 1) Use **blue/black** ball point pen only.

2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) **All questions are compulsory.**

4) The number to the **right** indicates **full marks**.

5) Draw diagrams **wherever** necessary.

6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen) :

(10x2=20)

- a) Disorders of thyroid gland.
- b) Hormones secreted by pancreas.
- c) Hormones secreted by adrenal cortex.
- d) Two functions of sertoli cells.
- e) Name the enzymes in gastric juice.
- f) Functions of vitamin E.
- g) Two functions of oestrogen.
- h) Define digestion.
- i) Deficiency of vitamin B<sub>6</sub>.
- j) What is menarche ?
- k) Two functions of pancreatic juice.
- l) Two functions of vitamin D.
- m) What is spermatogenesis ?
- n) Two functions of insulin.
- o) Sources of vitamin A.

P.T.O.



2. Write short answer (**any four** out of six) : (4x5=20)
- a) Digestion and absorption of lipids.
  - b) Basal metabolic rate.
  - c) Thyrotoxicosis.
  - d) Action of growth hormone.
  - e) Functions of proteins.
  - f) Metabolism of carbohydrate.
3. Write short answer (**any four** out of six) : (4x5=20)
- a) Importance of balance diet.
  - b) Sources, daily requirement and deficiency diseases of Vitamin A.
  - c) Functions of FSH.
  - d) Stages of spermatogenesis.
  - e) Deficiency diseases of vitamin B<sub>1</sub>.
  - f) Protein energy malnutrition.
4. Long answer question (**any two** out of four) : (2x10=20)
- a) Describe the hormones secreted by thyroid gland in detail.
  - b) Describe the composition, function and mechanism of secretion of saliva.
  - c) Describe phases of menstrual cycle and role of hormones in menstrual cycle.
  - d) Describe origin course and function of corticospinal tract.

Long answer question (**any one** from Q. No. 5, 6 and 7)

Long answer question :

5. What are hormones and describe anterior pituitary hormones in detail. (1x20=20)

Long answer question :

6. Write in detail digestion and absorption of protein. (1x20=20)

Long answer question :

7. Describe the mechanism of taste receptor along with its function. (1x20=20)
-



04113

First B.H.M.S. (New/2015) Examination, Winter 2017  
HOMOEOPATHIC PHARMACY

Total Duration : 3 Hours

Total Marks : 100

- Instructions:**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) :

(10×2=20)

- a) Define Homoeopathic Pharmacy.
- b) Who invented first Homoeopathic Pharmacopoeia and when ?
- c) What are the various types of Homoeopathic Pharmacopoeia ?
- d) Define Synthetic source with two examples.
- e) Give four examples of medicines prepared from venoms.
- f) Define Pharmacognosy.
- g) Define drug proving and who is best Prover.
- h) Define medicine and remedy.
- i) Source of Glycerine with its four uses.
- j) What is Succussion ?
- k) Write down the English meaning of following abbreviation.
  - i) C.M.
  - ii) Vac Ven
  - iii) Cochl
  - iv) B.I.D.
- l) What is the drug power of class I to class IV ?
- m) What are the uses of Water bath and Presses ?

P.T.O.



- n) How is Lachesis and Caustic preparations preserved ?
- o) What are the uses of Desiccator ?

2. Write short answer (**any four** out of six) : (4×5=20)

- a) Animal kingdom.
- b) Write down the general rule of collection of drug substance from vegetable kingdom ~~and their cleaning.~~
- c) Write down different branches of Homoeopathic Pharmacy.
- d) What is Doctrine of signature ? Explain with five examples.
- e) Describe class IV.
- f) Describe Hydrometer and Alcoholometer with its uses.

3. Write short answer (**any four** out of six) : (4×5=20)

- a) Describe British Homoeopathic Pharmacopoeia.
- b) What are the advantages of 50 Millesimal potencies ?
- c) Define Proof spirit and how will you determine its standard strength.
- d) Liniments its Preparation and uses.
- e) Fluxion Potency.
- f) Write Preparation and Properties of Globules.

4. Long answer question (**any two** out of four) : (2×10=20)

- a) Write in detail about specialities and originalities of Homoeopathic Pharmacy.
- b) Define Decantation, its process and uses. Write difference between Decantation and Filtration.
- c) Write in detail about prescription writing.
- d) Name the list of external application and describe preparation and uses ointments.

Long answer question (**any one** from Q. No. 5, 6 and 7)

5. Long answer question : (1×20=20)

Define Vehicle. Describe the method of preparation of sugar of milk, its purification, properties, uses and purity test.

6. Long answer question : (1×20=20)

What are new methods of preparation of mother tinctures ? Describe any one of them in detail. Write difference between new method and old method.

7. Long answer question : (1×20=20)

Define Homoeopathic Posology. Write in detail about selection of potency and concept of minimum dose.

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04111 A

First B.H.M.S. (New)/(2015) Examination, Summer 2018  
ANATOMY – I

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen) : (10×2=20)
- a) Name two Muscles forming anterior wall of Axilla.
  - b) Write the names of proximal row of carpal bone.
  - c) Nerve supply of Mammary gland.
  - d) Name the two muscle attached to Coracoid process of Scapula.
  - e) Name the muscles attached to intertubercular sulcus of Humerus.
  - f) Name Branches of second part of Axillary artery.
  - g) Name any two Deep extensor group of muscles.
  - h) Origin of Triceps brachii muscle.
    - i) Name any two Hypothenar muscles.
    - j) Name the muscles forming Boundaries of Anatomical Snuff box.
    - k) Name the Contents of Carotid triangle of neck.
    - l) Blood supply of Thyroid gland.
  - m) Write any two muscles of Mastication.
  - n) Name the terminal branches of External carotid artery.
  - o) Name two branches of Internal carotid artery.

P.T.O.



2. Write short answer (**any four** out of six) :
- Corpus Callosum.
  - Optic nerve.
  - Spinal Cord.
  - Classification of joint with its examples.
  - Structure of Ovum.
  - Development of Right Atrium.

(4×5=20)

3. Write short answer (**any four** out of six) :
- Deltoid muscle.
  - Boundaries and contents of Cubital Fossa.
  - Flexor Retinaculum.
  - Axillary group of Lymph Nodes.
  - Musculocutaneous Nerve.
  - Radial Artery.

(4×5=20)

4. Long answer question (**any two** out of four) :
- Describe in detail anatomy of Parotid Gland.
  - Describe anatomy of Lateral wall of Nose.
  - Describe anatomy of Posterior triangle of neck.
  - Describe in Detail anatomy of Larynx.

(2×10=20)

Long answer question (**any one** from Q.No. 5, 6 and 7).

5. Long answer question :

Describe in detail the anatomy of Wrist Joint.

(1×20=20)

6. Long answer question :

Describe in detail Brachial Plexus with its applied anatomy.

(1×20=20)

7. Long answer question :

Describe in detail Median nerve and its clinical anatomy.

(1×20=20)



04111 B

**First B.H.M.S. (New) (2015) Examination, Summer 2018**  
**ANATOMY – II**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) :

(10×2=20)

- a) Name any 4 ligaments of Uterus.
- b) Name the coverings of Testis.
- c) Name the branches of Abdominal Aorta.
- d) Name the structures forming Stomach Bed.
- e) Name the parts of Pancreas.
- f) Name the muscles supplied by Sciatic Nerve.
- g) Name the muscles forming Quadriceps Femoris.
- h) Name the branches of Dorsalis pedis artery.
- i) Name the bones forming Knee joint.
- j) Write any four ligaments of Hip joint.
- k) Name any four contents of Posterior Mediastinum.
- l) Name the structures opening in the Right Atrium.
- m) Write any 2 differences between Right Ventricle and Left Ventricle of Heart.
- n) Name the tributaries of Hemiazygos vein.
- o) Write lobes and fissures of Right Lung.

P.T.O.



04111 B



2. Write short answer (**any four** out of six) :

(4×5=20)

- a) Thoracic duct.
- b) Conducting System of Heart.
- c) Pericardium.
- d) Openings in the Diaphragm.
- e) Hilum of both Lungs.
- f) Bronchopulmonary segments.

3. Write short answer (**any four** out of six) :

(4×5=20)

- a) Adductor canal.
- b) Quadriceps Femoris muscle.
- c) Ligaments of Ankle Joint.
- d) Histology of Duodenum.
- e) Histology of Testis.
- f) Histology of Skeletal Muscle.

4. Long answer question (**any two** out of four) :

(2×10=20)

- a) Write the Anatomy of Femoral artery.
- b) Write the Anatomy of Longitudinal Arches of Foot.
- c) Write the Anatomy of Obturator Nerve.
- d) Write the Anatomy of Popliteal Fossa.

Long answer question (**any one** from Q. No. 5, 6 and 7) :

5. Long answer question :

(1×20=20)

Describe the Anatomy of Spleen in detail.

6. Long answer question :

(1×20=20)

Describe the Anatomy of Duodenum in detail.

7. Long answer question :

(1×20=20)

Describe the Anatomy of Rectum in detail.

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04112 A

First B.H.M.S. (New) (2015) Examination, Summer 2018  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – I

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory**.
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) **Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.**

1. Write short answer (any ten out of fifteen) : (10×2=20)
- a) What is leucocytosis and leukemia ?
  - b) Name different types of WBCs.
  - c) Write two functions of platelets.
  - d) Define blood pressure. Write normal value.
  - e) Name the junctional tissues of heart.
  - f) Define pulse and write normal pulse rate.
  - g) Define cynosis.
  - h) Define asphyxia.
  - i) Define plasma clearance.
  - j) Define micturition and what is normal urine output ?
  - k) What is core temperature ? Write normal value.
  - l) Write functions of sebaceous glands.
  - m) Name the types of sweat gland.
  - n) What is active transport ?
  - o) What is diffusion ?

P.T.O.



2. Write short answer (**any four** out of six) : (4×5=20)
- Functions of RBC.
  - Plasma proteins.
  - Cardiac output.
  - Properties of cardiac muscle.
  - Functions of spleen.
  - Composition and functions of lymph.
3. Write short answer (**any four** out of six) : (4×5=20)
- Peculiarities of renal circulation
  - Juxtaglomerular apparatus
  - Sarcomere
  - Respiratory membrane
  - Hypoxia.
  - Functions of skin
4. Long answer question (**any two** out of four) : (2×10=20)
- Describe formation and fate of hemoglobin.
  - Describe cardiac cycle with the help of suitable diagram.
  - Explain mechanics of breathing. Add a note on lung compliance.
  - Explain regulation of body temperature in detail.
- Long answer question (**any one** from Q. No. 5, 6 and 7) :
5. Long answer question : (1×20=20)  
Describe blood groups in detail.
6. Long answer question : (1×20=20)  
Describe nervous and chemical regulation of respiration.
7. Long answer question : (1×20=20)  
Describe formation of urine in detail.
-



04112 B

First B.H.M.S. (New)/(2015) Examination, Summer 2018  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – II

Total Duration : 3 Hours

Total Marks : 100

**Instructions :** 1) Use **blue/black** ball point pen only.

2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) **All questions are compulsory.**

4) The number to the **right** indicates **full** marks.

5) Draw diagrams **wherever** necessary.

6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen) :

(10×2=20)

- a) Define hormone.
- b) Enlist the hormone secreted by pancreas.
- c) What is goiter ?
- d) What is dysphagia ?
- e) Define vomiting.
- f) Define phosphorylation.
- g) What is sarcomere ?
- h) What is menarche ? At which age it occurs ?
- i) Define ovulation.
- j) Define myxodema.
- k) Deficiency of vitamin C And B2.
  - l) What is pellegra ?
- m) What are isoenzymes ?
- n) What is babinski sign ?
- o) What is reflex arc ?

P.T.O.



2. Write short answer (**any four** out of six) : (4×5=20)
- Functions of thyroid hormones.
  - Diabetes mellitus.
  - Functions of liver.
  - Deglutation.
  - Glycogenesis.
  - Properties of skeletal muscles.
3. Write short answer (**any four** out of six) : (4×5=20)
- Beri beri.
  - Vitamin K.
  - Puberty.
  - Co-enzymes.
  - Balance diet.
  - Kreb's cycle.
4. Long answer question (**any two** out of four) : (2×10=20)
- Enumerate corticosteroides. Describe the actions of glucocorticoides.
  - Write the composition, functions and regulation of secretion of saliva.
  - Describe in detail spermatogenesis.
  - Define neuron describe in detail.
- Long answer question (**any one** from Q.No. 5, 6 and 7).
5. Long answer question : (1×20=20)  
Define vitamin what are the types of vitamin write in detail fat soluble vitamin's.
6. Long answer question : (1×20=20)  
Define diet and balance diet write balance diet required for pregnant lady and adolescent with function of diet.
7. Long answer question : (1×20=20)  
Define reflex what are the types of reflex. Write in detail about deep reflex with suitable diagram.
-



04113

First B.H.M.S. (New)/(2015) Examination, Summer 2018  
HOMOEOPATHIC PHARMACY

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) : (10×2=20)
- a) Mention the name and year of publication of first homoeopathic pharmacopeia.
  - b) What are the branches of Homoeopathic Pharmacy ?
  - c) First homoeopathic pharmacopeia was published by whom and year of publication ?
  - d) Define nosodes. Give two examples. *Define medicine & remedy*
  - e) Define Alkaloids. Give two examples with source.
  - f) Collection of Mineral Kingdom.
  - g) Define Pharmacopoeias. *pharm*
  - h) Define Drug Proving ? Who is best prover ?
    - i) Write Impurities present in Ethyl Alcohol.
    - j) Define homeopathic Potentisation.
  - k) Write full form and meaning of P.R.N. and H. D.
  - l) Under which Drug, fundamental rule for Class VI-A is described in Hahnemann's Materia Medica Pura ?
  - m) Cleansing of Phials and Glasses.
  - n) Preservation of Allumina and Lachesis.
  - o) What precautions are taken in Dispensing of Tinctures or Solutions with globules ?

P.T.O.



2. Write short answer (**any four** out of six) : (4×5=20)
- Mineral Kingdom.
  - Collection of drug substances from Vegetable Kingdom.
  - Preservation of Mother preparations.
  - Scope of homoeopathic pharmacy.
  - Types of Mortar and Pestles and their respective uses.
  - Doctrine of signature.
3. Write short answer (**any four** out of six) : (4×5=20)
- British Homoeopathic Pharmacopeia (B.H.P.).
  - Glycerine.
  - Potency and Types of potencies.
  - Poultices or Cataplasms.
  - Detection of Impurities in Ethyl Alcohol.
  - Define Quality control. Write objectives and factors for Quality Control.
4. Long answer question (**any two** out of four) : (2×10=20)
- Describe Determination of Moisture Content.
  - Describe scope and limitation of External Application and preparation of Glycerols.
  - Describe principles and mode of Prescription Writing with two examples.
  - Specialty and Originality of Homoeopathic Pharmacy.

Long answer question (**any one** from Q. No. 5, 6 and 7) :

5. Long answer question : (1×20=20)  
Define Vehicle and describe preparation of Ethyl Alcohol with its uses.
6. Long answer question : (1×20=20)  
What are new methods of Mother Tincture preparation ? Explain in detail the preparation of Mother Solution.
7. Long answer question : (1×20=20)  
Define Posology. Write difference between Homoeopathic and Allopathic concepts of doses and write about selection of potency and reasons of applying only single simple medicinal substance at a time.
-



04111 A

**First B.H.M.S. (2015)/ (New) Examination, Winter 2018  
ANATOMY – I**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) :

(10×2=20)

- a) Name the covering of Brain.
- b) Mention any two intrinsic muscles of hand.
- c) Mention any two branches of 3rd Part of axillary artery.
- d) Root Value of Ulnar Nerve.
- e) Name any two branches of posterior cord of brachial plexus.
- f) Name different movements of Thumb.
- g) Name two muscles of blowing and whistling.
- h) What is danger area of face ?
- i) What are the subdivision of posterior triangle of neck.
- j) Mention content of carotid sheath.
- k) Mention contents of anatomical snuff box.
- l) Mention any 2 structures passing through Bicipital groove of Humerus.
- m) Name two muscles supplied by ulnar nerve.
- n) Name Proximal row of carpal bones.
- o) Name Axillary group of lymph nodes.

P.T.O.



04111 A



2. Write short answer (**any four** out of six) : (4×5=20)  
a) Internal capsule.  
b) Floor of 4th ventricle.  
c) Spinal cord.  
d) Facial nerve.  
e) Classification of joint.  
f) Notochord.
3. Write short answer (**any four** out of six) : (4×5=20)  
a) Deltoid muscle.  
b) Median nerve in Palm.  
c) Anastomosis around Elbow joint.  
d) Brachial artery.  
e) Radio-ulnar joint.  
f) Palmer apponeurosis.
4. Long answer question (**any two** out of four) : (2×10=20)  
a) Describe in detail Pharynx.  
b) Describe muscles of facial expression.  
c) Describe gross anatomy of Middle Ear.  
d) Describe extra ocular muscles.

Long answer question (**any one** from Q. No. 5, 6 and 7)

5. Long answer question : (1×20=20)  
Describe shoulder joint in detail and Applied anatomy.
6. Long answer question : (1×20=20)  
Describe Radial Artery in detail and its applied anatomy.
7. Long answer question : (1×20=20)  
Describe Axillary nerve in detail under formation, course, relation, branches and applied Anatomy.

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04111B

First BHMS (2015)/(New) Examination, Winter 2018  
ANATOMY – II

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen **only**.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) :

(10×2=20)

- a) Name parts of Large intestine.
- b) Name two structures passing through inguinal ring in females.
- c) Name two arteries supplying Pancreas.
- d) Name two false ligaments of Uterus.
- e) Name two structures within the prostate gland.
- f) Name the divisions of sciatic nerve.
- g) Name ligaments of Ankle joint.
- h) Name any two contents of Popliteal fossa.
- i) Write origin and insertion of Sartorius muscle.
- j) Name two contents of Adductor canal.
- k) Name two structures in the root of Hilum of Right lung.
- l) Name the branches of Arch of Aorta.
- m) Name two contents of middle mediastinum.
- n) Name subdivisions of pericardium.
- o) Name blood supply of heart.

P.T.O.



2. Write short answer (**any four** out of six) : (4×5=20)
- a) Right ventricle
  - b) Superior mediastinum.
  - c) Root of lungs.
  - d) Thoracic duct.
  - e) Intercostal Space.
  - f) ~~Superior vena cava.~~  
*pyloric aorta*
3. Write short answer (**any four** out of six) : (4×5=20)
- a) Iliotibial tract.
  - b) Femoral nerve.
  - c) Anterior tibial artery.
  - d) Histology of liver.
  - e) Histology of lung.
  - f) Histology of testes.
4. Long answer question (**any two** out of four) : (2×10=20)
- a) Arches of foot.
  - b) Popliteal Fossa.
  - c) Sciatic nerve.
  - d) Femoral Artery.

Long answer question (**any one** from Q. No. 5, 6 and 7)

5. Describe in detail anatomy of stomach. Add a note on its applied anatomy. (1×20=20)
6. Describe in detail anatomy of Urinary bladder. Add a note on its applied anatomy. (1×20=20)
7. Describe in detail anatomy of Anal Canal. Add a note on its applied anatomy. (1×20=20)
-



04112 A

**First B.H.M.S. (2015)/(New) Examination, Winter 2018  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – I**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) :

(10×2=20)

- a) Write the sites of formation of RBCs.
- b) Enumerate types of leucocytes.
- c) What is haemoglobin ?
- d) Define B.P. systolic B.P. and diastolic B.P.
- e) Enumerate any four properties of cardiac muscle.
- f) What is 'apex beat' ?
- g) Define cyanosis.
- h) Enumerate different lung volumes.
- i) Name any four normal constituents of urine.
- j) What is countercurrent mechanism used for ?
- k) What is 'shell' and 'core' temperature ?
- l) Write any four functions of the skin.
- m) Name the glands of skin.
- n) Define diffusion.
- o) What is co-transport ?

P.T.O.



2. Write short answer (**any four** out of six) : (4×5=20)
- a) Functions of RBC.
  - b) Thrombocytes.
  - c) Venous return.
  - d) Functions of S.A.node and A.V.node.
  - e) Functions of lymph.
  - f) Functions of spleen.
3. Write short answer (**any four** out of six) : (4×5=20)
- a) Renal function tests
  - b) Nephron.
  - c) Muscle fatigue.
  - d) Dead space.
  - e) Surfactant.
  - f) Structure of skin.
4. Long answer question (**any two** out of four) : (2×10=20)
- a) Describe ABO blood group system.
  - b) Describe mechanism of regulation heart rate.
  - c) What is hypoxia? Describe causes, effects and treatment of hypoxia.
  - d) What is normal body temperature ? How is it regulated ?
- Long answer question (**any one** from Q. No. 5, 6 and 7)
5. Long answer question : (1×20=20)  
Explain the mechanism of blood coagulation.
6. Long answer question : (1×20=20)  
Describe the nervous and chemical regulation of respiration.
7. Long answer question : (1×20=20)  
Describe the mechanism of micturition. Add a note on applied physiology of micturition.
-



04112 B

**First B.H.M.S. (2015)/(New) Examination, Winter 2018  
PHYSIOLOGY INCLUDING BIOCHEMISTRY – II**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen **only**.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) : (10×2=20)
- a) Write hormones secreted by posterior pituitary gland.
  - b) What is gigantism ?
  - c) What are functions of parathyroid hormones ?
  - d) What is dysphagia? Write any two causes of dysphagia.
  - e) What is digestion ?
  - f) Write protein digesting enzymes in pancreatic juice.
  - g) What is peristalsis ?
  - h) Write functions of oxytocin.
  - i) What is fertilization ?
  - j) What is menopause ?
  - k) Write functions of progesterone.
  - l) Write sources of vitamin C.
  - m) Write sources of vitamin A.
  - n) What are functions of vitamin K ?
  - o) What are signs of vitamin E deficiency ?

P.T.O.

04112 B



2. Write short answer (any four out of six) : (4×5=20)
- a) Hypothyroidism
  - b) Adrenogenital syndrome
  - c) Functions of gastric juice
  - d) Digestion and absorption of fats
  - e) Glycolysis
  - f) Classification of proteins.

3. Write short answer (any four out of six) : (4×5=20)
- a) Vitamin D
  - b) Vitamin B12
  - c) Ovulation
  - d) Composition of semen
  - e) Minerals in diet
  - f) Basal metabolic rate.

4. Long answer question (any two out of four) : (2×10=20)
- a) Discuss the functions of ADH in detail, Add a note on diabetes insipidus.
  - b) Discuss mechanism of deglutition.
  - c) Describe endometrial cycle along with its phases and regulation.
  - d) Describe formation, circulation, and functions of cerebro-spinal fluid.

Long answer question (any one from Q. No. 5, 6 and 7).

5. Long answer question : (1×20=20)
- Describe the mechanism of regulation of blood glucose in detail.

6. Long answer question : (1×20=20)
- Describe the glands, mechanism of secretion, composition and functions of saliva.

7. Long answer question : (1×20=20)
- Describe the taste buds and sensation of taste in detail.
-



04113

**First B.H.M.S. (2015)/(New) Examination, Winter 2018**  
**HOMOEOPATHIC PHARMACY**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen) : **(10×2=20)**
- a) Define Homoeopathic Pharmacy.
  - b) Mention branches of homoeopathic pharmacy.
  - c) Who and when German Homoeopathic Pharmacopoeia published.
  - d) Two Medicine prepared from bulb and leaves.
  - e) Nosodes prepared from animals any 4 names.
  - f) How will you collect flowers and fruits ?
  - g) Define pharmacognosy.
  - h) Mention the chemical formula of alcohol and sac lac.
  - i) Define potentisation.
  - j) Define drug proving.
  - k) Mention full form and meaning of S.O.S. & C.N.
  - l) Mention the drug strength of class I to IV.
  - m) Cleansing of iron or steel mortar and pestle.
  - n) Preservation of flouric acid and phosphorus.
  - o) Dispensing of liquid potency is done in which vehicle ?

P.T.O.



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2. Write short answer (**any four** out of six) : (4×5=20)
- a) Animal Source.
  - b) Collection of vegetable source.
  - c) Cleansing of instruments.
  - d) Describe the Staff process.
  - e) Describe mortar and pestle with its types.
  - f) Describe doctrine of signature with four examples.
3. Write short answer (**any four** out of six) : (4×5=20)
- a) Define vehicle and Describe tablets with its uses.
  - b) Placebo.
  - c) Preparation of ointment.
  - d) Thin layer chromatography.
  - e) Describe Indian homoeopathic pharmacopoea.
  - f) Preparation of Fifty millicemal potency.
4. Long answer question (**any two** out of four) : (2×10=20)
- a) Speciality and originality of homoeopathic pharmacy.
  - b) Define and describe prescription writing in detail with one example.
  - c) Explain organoleptic and microscopic evaluation of standardisation.
  - d) Write scope and limitations of external application in homoeopathic pharmacy.
- Long answer question (**any one** from Q. No. 5, 6 and 7)
5. Long answer question : (1×20=20)
- Classification of various types of sources of drugs? Describe under following headings :
- a) Vegetable source
  - b) Mineral source
  - c) Sarcodes
  - d) Nosodes.
6. Long answer question : (1×20=20)
- Define drug proving. Describe under following headings :
- a) Qualities of good drug proving
  - b) Methods of drug proving
  - c) Drug preparation for prover
  - d) Instructions to the prover
7. Long answer question : (1×20=20)
- Define posology. Describe it under the following headings :
- a) General posology
  - b) Homoeopathic posology.

First B.H.M.S. (2015) (New) Examination, Summer (Phase - II) 2019  
ANATOMY - I

(BHMS-2015 Syllabus is applicable to BHMS (New) students)

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen): [10 × 2 = 20]
- a) Name the contents of Anatomical Snuff box.
  - b) Origin of Deltoid muscle.
  - c) Write two ligaments of Wrist joint.
  - d) Name any two muscles supplied by Musculocutaneous nerve.
  - e) Write two peculiarities of Clavical.
  - f) Name structures forming floor of Cubital fossa.
  - g) Name the nerves comes contact to Humerus.
  - h) Write terminal branches of Brachial artery.
  - i) Name two Hypothenar muscles.
  - j) Write two different movement of Scapula.
  - k) Name two parts of Pharynx.
  - l) Blood supply of Larynx.
  - m) Mention any two branches of Facial nerve.
  - n) Name the Extra ocular muscles of eye ball.
  - o) Mention any two parts of Corpus callosum.

2. Write short answer (**any four** out of six).

- a) Fourth Ventricle.
- b) Cerebellum.
- c) Cerebro Spinal Fluid. (C.S.F)
- d) Ossification of Long Bone.
- e) Describe rotation of gut.
- f) First Brachial arch.

3. Write short answer (**any four** out of six):

[4 × 5 = 20]

- a) Cubital Fossa.
- b) Trapezius Muscle.
- c) Radial Artery.
- d) Axillary Nerve.
- e) Flexor Retinaculum.
- f) Erb's Paralysis.

4. Long answer question (**any two** out of four):

[2 × 10 = 20]

- a) Describe Anatomy of Thyroid Gland.
- b) Describe External Carotid Artery.
- c) Describe Anatomy of Tongue.
- d) Describe Anatomy of lateral wall of Nose.

**Long answer question (any one from Q. No. 5, 6 and 7):**

5. Describe in detail the Anatomy of Shoulder Joint.

[1 × 20 = 20]

6. Describe in detail the Anatomy of Axillary Artery.

[1 × 20 = 20]

7. Describe in detail Median Nerve with its applied anatomy.

[1 × 20 = 20]



First B.H.M.S. (2015) (New) Examination, Summer (Phase - II) 2019  
ANATOMY - II

(BHMS-2015 Syllabus is applicable to BHMS (New) students)

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use blue/black ball point pen only.
  - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) All questions are compulsory.
  - 4) The number to the right indicates full marks.
  - 5) Draw diagrams wherever necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen): [10 × 2 = 20]

- a) Write the names of organs located in Left Hypochondrium.
- b) Write the blood supply of Duodenum.
- c) Write the Anterior Relations of Stomach.
- d) Write the Boundaries of Inguinal Canal.
- e) Name two muscles of Pelvis.
- f) Name two ligaments of Hip joint.
- g) Write the names of Muscles supplied by Deep Peroneal Nerve.
- h) Mention contents of Popliteal fossa.
- i) Name any 4 ligaments of Hip Joint. *Ankle joint*
- j) Name two contents of Adductor canal.
- k) Write two contents of Superior Mediastinum.
- l) Name the tributaries of Azygos Vein.
- m) Name the Atrioventricular Valves of Heart.
- n) Name the branches of Arch of Aorta.
- o) Name the Structures passing through Aortic Opening of Heart. *Diaphragm*

First B.H.M.S. (2015) (New) Examination, Summer (Phase - II) 2019  
ANATOMY - II

(BHMS-2015 Syllabus is applicable to BHMS (New) students)

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use blue/black ball point pen only.
  - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) All questions are compulsory.
  - 4) The number to the right indicates full marks.
  - 5) Draw diagrams wherever necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen): [10 × 2 = 20]

- a) Write the names of organs located in Left Hypochondrium.
- b) Write the blood supply of Duodenum.
- c) Write the Anterior Relations of Stomach.
- d) Write the Boundaries of Inguinal Canal.
- e) Name two muscles of Pelvis.
- f) Name two ligaments of Hip joint.
- g) Write the names of Muscles supplied by Deep Peroneal Nerve.
- h) Mention contents of Popliteal fossa.
- i) Name any 4 ligaments of Hip Joint. Ankle joint
- j) Name two contents of Adductor canal.
- k) Write two contents of Superior Mediastinum.
- l) Name the tributaries of Azygos Vein.
- m) Name the Atrioventricular Valves of Heart.
- n) Name the branches of Arch of Aorta.
- o) Name the Structures passing through Aortic Opening of Heart. Diaphragm

2. Write short answer (any four out of six).

- a) Pleura.
- b) Posterior Mediastinum.
- c) Right Ventricle.
- d) Hilum of Both Lungs.
- e) Bronchopulmonary segments.
- f) Thoracic duct.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Obturator Nerve.
- b) Soleus.
- c) Adductor canal.
- d) Histology of Skin.
- e) Histology of Small Intestine.
- f) Histology of Liver.

4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Write the Anatomy of Tibial Nerve.
- b) Write the Anatomy of Femoral Artery.
- c) Write the Anatomy of Longitudinal Arches of Foot.
- d) Write the Anatomy of Great Saphenous Vein.

Long answer question (any one from Q. No. 5, 6 and 7):

5. Describe the Anatomy of Pancreas in detail.

[1 × 20 = 20]

6. Describe the Anatomy of Vermiform Appendix in detail.

[1 × 20 = 20]

7. Describe the Anatomy of Urinary Bladder in detail.

[1 × 20 = 20]



**First B.H.M.S. (2015) (New) Examination, Summer (Phase - II) - 2019**  
**PHYSIOLOGY INCLUDING BIOCHEMISTRY - I**  
**(BHMS - 2015 Syllabus is Applicable to BHMS (New) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) *Use blue/black ball point pen only.*
  - 2) *Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*
  - 3) *All questions are compulsory.*
  - 4) *The number to the right indicates full marks.*
  - 5) *Draw diagrams wherever necessary.*
  - 6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*

1. Write short answer (any ten out of fifteen) : [10 × 2 = 20]
- a) Enumerate the factors influencing Erythropoiesis.
  - b) Name the Plasma Proteins.
  - c) What is Thalassemia?
  - d) Name the junctional tissues of Heart.
  - e) Define Blood Pressure.
  - f) Name the different waves in ECG
  - g) Enumerate different lung capacities.
  - h) What is Asphyxia?
  - i) Name the renal Function tests.
  - j) Define micturition reflex.
  - k) What are the different modes of heat loss from the body?

- l) What is Ultrafiltration?
- m) Name the layers of the skin.
- n) What is Diffusion?
- o) Name the pigments of the skin.

2. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) Define ESR and state its significance.
- b) Blood Volume.
- c) Cardiac Output.
- d) Properties of cardiac Muscle.
- e) Functions of RE system.
- f) Formation and composition of Lymph.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Normal Composition of Urine.
- b) Juxta Glomerular Apparatus
- c) Neurotransmitter
- d) Asphyxia.
- e) Pleural space and Pleural cavity.
- f) Functions of skin.

4. Long answer question (any two out of four) :

[2 × 10 = 20]

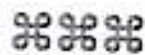
- a) Explain the types and morphology of WBC in detail.
- b) Explain Cardiac cycle in detail with the help of a neat labelled diagram.
- c) Explain Anoxia in detail.
- d) Explain Body temperature regulation in detail.



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Long answer question (any one from Q. No. 5, 6 and 7) :

5. Discuss the sites, stages & factors required for Erythropoiesis in detail.  
[1 × 20 = 20]
6. Explain the nervous & chemical regulation of respiration in detail.  
[1 × 20 = 20]
7. Discuss the factors affecting GFR in detail.  
[1 × 20 = 20]



**First B.H.M.S. (2015) (New) Examination, Summer (Phase - II) 2019  
PHYSIOLOGY INCLUDING BIOCHEMISTRY - II**

**(BHMS-2015 Syllabus is applicable to BHMS (New) students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen):

[10 × 2 = 20]

- a) Name the hormones secreted by Thyroid
- b) Define Hormone
- c) Name the hormones of Posterior Pituitary
- d) What is ~~Aptidism~~ **Physiostim**
- e) Name two Bile Salts
- f) Name the secretions of Stomach cells
- g) Functions of Placenta
- h) What is Puberty
- i) Functions of Oxytocine **Oxytocin**
- j) Hormone secreted by testis
- k) What is vomiting
- l) Name the water soluble vitamins.
- m) Which vitamin is called Antisterility vitamin
- n) What is Rickets.
- o) What is xerophthalmia

**Xerophthalmia**

2. Write short answer (any four out of six).

- Cretinism
- Write functions of ADH Hormone.
- Peristalsis
- Functions of Tongue ✓
- Define & Classify Carbohydrates ✓
- Krebs cycle  
Crebs cycle

3. Write short answer (any four out of six):

[4 × 5 = 20]

- Vitamin B12 ✓
- Vitamin A ✓
- Ovulation.
- Prolactin.
- Functions of Proteins ✓
- Constituents of Balance diet.

4. Long answer question (any two out of four):

[2 × 10 = 20]

- Define and describe Spermatogenesis
- Myxedema
- Write Composition and functions of Gastric Juice
- Define synapse and explain its types & properties

Long answer question (any one from Q. No. 5, 6 and 7):

5. Describe regulation of blood sugar level in details.

[1 × 20 = 20]

6. Write Composition Functions and Mechanism of Secretion of Saliva.

[1 × 20 = 20]

7. Write in details about Pathway of vision with refractory errors. [1 × 20 = 20]



**First B.H.M.S. (2015) (New) Examination, Summer (Phase - II) 2019**  
**HOMOEOPATHIC PHARMACY**

**(BHMS-2015 Syllabus is applicable to BHMS (New) students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) Define Homoeopathic Pharmacy.
  - b) Homoeopathic Pharmacopoeia of USA was published in which year & by whom?
  - c) Mention the branches of Homoeopathic pharmacy.
  - d) Medicines prepared from whole plants. Give four examples.
  - e) Sarcodes prepared from healthy animal tissue. Give four examples.
  - f) How will you collect whole plant?
  - g) Define Standardization.
  - h) In which aphorism the Drug proving is given ?
  - i) Mention the specific gravity of glycerine.
  - j) Define mother tincture.
  - k) Write full forms & meanings of Q.I.D & O.M.
  - l) Mention the methods of potentisation.
  - m) How to clean glass instruments?
  - n) How Lachaesis & Hepar Sulph are preserved?
  - o) Dispensing of L.M. Potency.

2. Write short answer (**any four** out of six). [4 × 5 = 20]
- Imponderabilia
  - Collection of drug from animal sources.
  - How will you preserve potentised medicines & mother tinctures.
  - Describe Doctrine of Signature with two examples.
  - Describe the water bath & dessicator with its types.
  - Cleansing of mortar & pestle.
3. Write short answer (**any four** out of six): [4 × 5 = 20]
- Define Vehicle & Describe globules.
  - Define & describe 50 milesimal scale.
  - Preparations of liniment & lotion.
  - Define Pharmacopoeia & write down the German Homoeopathic Pharmacopoeia.
  - Placebo
  - Inprocess of quality control.
4. Long answer question (**any two** out of four): [2 × 10 = 20]
- Define & describe Prescription writing in detail.
  - Speciality & originality of Homoeopathic pharmacy.
  - Scope of Homoeopathic Pharmacy in relation with Organon of Medicine.
  - Write scope & limitation of external application in Homoeopathy.

**Long answer question (any one from Q. No. 5, 6 and 7):**

- Write in detail about preparation, properties, Uses & Impurities of Sugar of Milk. [1 × 20 = 20]
- Define Drug Proving. Write in details about Quality of ideal prover, Single blind method, Double blind method & Instructions to the prover. [1 × 20 = 20]
- Define Posology. Describe Homoeopathic Posology, Lower potency, Higher potency & What are the factors responsible for selection of potency. [1 × 20 = 20]



**First BHMS (2015) (New) Examination, Winter  
(Phase - III All Other remaining UG/PG Course) - 2019**

**ANATOMY - I**

**(BHMS - 2015 Syllabus is applicable to BHMS (New) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen): [10 × 2 = 20]
- a) Name the muscles attached on supraglenoid and infraglenoid tubercle of Scapula.
  - b) Write origin and insertion of Brachioradialis muscle.
  - c) Name any two branches of Brachial artery.
  - d) Name the nerve supply of Brachialis muscle.
  - e) Name the contents of upper triangular space of scapular region.
  - f) What are the actions of Flexor digitorum profundus.
  - g) Name the muscles responsible for adduction of wrist joint.
  - h) Name two muscles supplied by Ulnar nerve.
  - i) Name two contents of Anatomical snuff box.
  - j) Name two deep flexor muscles of forearm.
  - k) Name any two branches of Facial artery.
  - l) Name the cartilages of Larynx.
  - m) Name the extraocular muscles of eyeball.
  - n) Name the muscles of Mastication.
  - o) Name any two branches of Internal Carotid Artery.

2. Write short answer (any four out of six) :
- Corpus Callosum.
  - Lateral Ventricle.
  - Cerebellum.
  - Optic nerve.
  - Classification of Joint with examples.
  - Placenta.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- Deltoid muscle.
- Axillary nerve.
- Axillary lymph nodes.
- Ligaments of Wrist joint.
- Carpal tunnel syndrome.
- Cubital fossa.

4. Long answer question (any two out of four):

[2 × 10 = 20]

- Describe anatomy of Tongue in detail.
- Describe anatomy of anterior triangle of neck and explain submandibular triangle in detail.
- Describe anatomy of Parotid gland in detail.
- Describe anatomy of Eyeball in detail.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Describe anatomy of Shoulder joint in detail.

[1 × 20 = 20]

6. Describe anatomy of Axillary artery in detail.

[1 × 20 = 20]

7. Describe anatomy of Radial nerve in detail.

[1 × 20 = 20]



**First BHMS (2015) (New) Examination, Winter  
(Phase - III All Other remaining UG/PG Course) - 2019**

**ANATOMY - II**

**(BHMS - 2015 Syllabus is applicable to BHMS (New) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (**any ten** out of fifteen):

[10 × 2 = 20]

- a) Name any 2 structures located in the Right Iliac Fossa.
- b) Name any 2 Ventral branches of Abdominal Aorta.
- c) Write any 2 differences between Small Intestine and Large Intestine.
- d) Write the coverings of Testis.
- e) Name any 2 muscles forming Anterior wall of Abdomen.
- f) Name the muscles which inserted into the Iliotibial Tract.
- g) Name any 2 muscles present in Second Layer of Sole of Foot.
- h) Name the Muscles forming the Femoral Canal.
- i) Name any 2 nerves present undercover of Gluteus Maximus.
- j) Name the muscles forming Tendo calcaneus.
- k) Name the Semilunar Valves.
- l) Name the different parts of Pleura.
- m) Which ribs are called as Atypical Ribs?
- n) Name the chambers forming the Base of Heart.
- o) Write any 2 Important structure present at the Sternal Angle.



2. Write short answer (any four out of six) :

- a) Right Ventricle.
- b) Right Coronary Artery.
- c) Azygos vein.
- d) Superior venacava.
- e) Large Openings of the Diaphragm.
- f) Superior Mediastinum.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Adductor Canal.
- b) Ligaments of Knee Joint.
- c) Tendocalcaneus.
- d) Histology of Liver.
- e) Histology of Stomach.
- f) Histology of Testis.

4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Describe the Femoral Triangle in detail.
- b) Describe the Anatomy of Long Saphenous Vein.
- c) Describe the Anatomy of Hip Joint in detail.
- d) Describe the Anatomy of Posterior Tibial Artery in detail.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Describe the Anatomy of Pancreas in detail.

[1 × 20 = 20]

6. Describe the Anatomy of Liver in detail.

[1 × 20 = 20]

7. Describe the Anatomy of Urinary bladder in detail.

[1 × 20 = 20]



First BHMS (2015) (New) Examination, Winter  
(Phase - III All Other remaining UG/PG Course) - 2019

PHYSIOLOGY INCLUDING BIOCHEMISTRY - I

(BHMS - 2015 Syllabus is Applicable to BHMS (New) Students)

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen):

[10 × 2 = 20]

- a) Define Blood.
- b) Write the methods of estimation of ESR with normal values.
- c) Name any four factors affecting blood volume.
- d) Write the importance of 'P' wave of ECG.
- e) Name the valves of heart.
- f) What are the functions of SA node?
- g) Classify hypoxia based on its causes.
- h) Define respiration and name respiratory muscles.
- i) Define GFR and write normal value of GFR.
- j) What are types of nephron?
- k) What is hypothermia?
- l) What is the function of sebaceous glands?
- m) What are layers of epidermis?
- n) Define osmosis.
- o) What is active transport?

2. Write short answer (any four out of six) :

- Hemoglobin
- Plasma proteins
- Radial pulse
- Factors affecting cardiac output
- Functions of spleen
- Types and functions of RE cells.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- Juxtaglomerular apparatus
- Renal circulation
- Sarcomere
- Asphyxia
- Lung compliance
- Sweat gland

4. Long answer question (any two out of four):

[2 × 10 = 20]

- What is Rh factor and Rh incompatibility?
- Describe the properties of cardiac muscle.
- Describe O<sub>2</sub>-Hb dissociation curve.
- What is normal body temperature? How is it measured? Describe factors affecting body temperature.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Define erythropoiesis. Describe the different stages and its regulation in detail.

[1 × 20 = 20]

6. What is spirometry? Describe different lung volumes and capacities.

[1 × 20 = 20]

7. Describe the mechanism of formation of urine.

[1 × 20 = 20]

x x x

First BHMS (2015) Examination, Winter  
(Phase - III All Other remaining UG/PG Course) - 2019

PHYSIOLOGY INCLUDING BIOCHEMISTRY - II

(BHMS - 2015 syllabus applicable to BHMS (New) students)

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use blue/black ball point pen only.
  - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) All questions are compulsory.
  - 4) The number to the right indicates full marks.
  - 5) Draw diagrams wherever necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen): [10 × 2 = 20]
- a) Name the hormone secreted by pancreas
  - b) Define vomiting
  - c) What is function of testis
  - d) Name the hormones of ovary
  - e) Name the fat soluble vitamins
  - f) Enumerate the digestive juices
  - g) Name different salivary glands
  - h) Name different types of papillae
  - i) Enumerate the mixed endocrine glands
  - j) Define vitamins
  - k) What is function of FSH
  - l) What is function LH.
  - m) Which vitamin is called Anti-haemorrhagic vitamin
  - n) What is Menarchae.
  - o) What is scurvy

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[4 × 5 = 20]

2. Write short answer (any four out of six) :

- a) Functions of Bile
- b) Dwarfism
- c) Functions of Stomach
- d) Tetany
- e) Biological value of proteins
- f) Function of Carbohydrates

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Rickets
- b) Beri-Beri
- c) Functions of Ovary
- d) Functions of Testosterone
- e) Krebs Cycle
- f) Obesity

4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Enumerate hormones secreted by anterior pituitary and add a note on growth hormone
- b) Write composition functions and mechanism of Gastric Juice
- c) Define and describe Spermatogenesis.
- d) Define and Describe Neurone.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Describe regulation of blood sugar level in details.

[1 × 20 = 20]

6. Write Composition Functions and Mechanism of secretions of Salivary Juice.

[1 × 20 = 20]

7. Name the Special Senses and Describe the pathway of Taste impulses with applied.

[1 × 20 = 20]

x x x

**First BHMS (2015) Examination, Winter  
(Phase - III All Other remaining UG/PG Course) - 2019**

**HOMOEOPATHIC PHARMACY**

**(BHMS - 2015 syllabus applicable to BHMS (New) students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks.**
  - 5) Draw diagrams **wherever** necessary.
  - 6) **Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.**

1. Write short answer (**any ten** out of fifteen): **[10 × 2 = 20]**
- a) What is meaning of words Pharmakon & Poies?
  - b) What are sources of Homoeopathic Pharmacy?
  - c) When British Homoeopathic Pharmacopoeia was published?
  - d) Name two drugs prepared from roots.
  - e) Name two drugs prepared from metals.
  - f) When Nosodes are collected?
  - g) Define Pharmacomania.
  - h) Who is best prover?
  - i) Define Vehicle.
  - j) Define Trituration.
  - k) Write Characteristics of an Ideal Prescription.
  - l) Under which drugs class IV is described in Hahnemann's Materia Medica Pura?
  - m) Write different type of Mortar & Pestle.
  - n) How mother tinctures of fluric acid & Lachesis is preserved?
  - o) What precautions are taken in dispensing of tinctures or solutions with globule?

2. Write short answer (**any four** out of six) : [4 × 5 = 20]
- Define Sarcodes explain with examples and collection.
  - Collection of Animal Kingdom.
  - Preservation of Potentised Medicines.
  - Doctrine of signature.
  - Desicator.
  - Maceration.
3. Write short answer (**any four** out of six): [4 × 5 = 20]
- Indian Homoeopathic Pharmacopoeia (IHP).
  - Globules preparation, & its uses.
  - Placebo in Homoeopathy & Hahnemannian view regarding Placebo.
  - Jumping Potency.
  - Liniments & Lotion.
  - Chemical Evaluation & Biological Evaluation.
4. Long answer question (**any two** out of four): [2 × 10 = 20]
- Speciality & Originality of Homoeopathic Pharmacy.
  - Define & describe Prescription Writing with its validity & importance.
  - Describe Preparation of Ointment with its methods and uses.
  - Explain Crystallisation & Sublimation.

**Long answer question (any one from Q. No. 5, 6 and 7)**

5. Define Vehicle & Write its classification & describe preparation of Sugar of Milk with its purification. [1 × 20 = 20]
6. Define & Describe Drug Proving with pre-requirements, recording of symptoms and objects of Drug Proving. [1 × 20 = 20]
7. Define & Describe Posology with selection of potency, various kinds of doses and repetition of doses of medicine. [1 × 20 = 20]

x      x      x

First B.H.M.S. (New) (2015) Examination, Summer  
(Phase - III : All Other Remaining UG/PG Courses) - 2020

**ANATOMY - I**

**(BHMS - 2015 syllabus is applicable to BHMS (New) students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates full marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen): [10 × 2 = 20]
- a) Mention two Muscles attached to Corachoid process of scapula.
  - b) Mention two Muscles taking origin from Medial Epicondyle of Humerus.
  - c) Mention two artery supplying to Mammary Gland.
  - d) Mention any four peculiarities of Clavicle.
  - e) Mention two content of Lower Triangular Space.
  - f) Mention two muscles forming anterior wall of Axilla.
  - g) Mention the Names of four carpal bone.
  - h) Mention four branches of medial cord of Brachial plexus.



- i) Mention the bones taking part in shoulder joint.
- j) Write down the origin of Serratus Anterior muscle.
- k) Mention the name of any two Infrahyoid muscles.
- l) Mention artery supplying to Thyroid Gland.
- m) Mention the names of Ear Ossicles.
- n) Mention two Muscles of Mastication.
- o) Mention four parts of internal capsule.

2. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Medulla Oblongata.
- b) Corpus Callosum.
- c) Fourth Ventricle.
- d) T.S. of Spinal cord.
- e) Placenta.
- f) Joint Classification.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Pectoralis major.
- b) Musculocutaneous Nerve.
- c) Radial Artery.
- d) Ligaments of wrist Joint.
- e) Anatomical Snuff Box.
- f) Flexor Retinaculum.

4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Describe the Anatomy of Anterior Triangle of Neck.
- b) Describe in detail anatomy of Pharynx.
- c) Describe in detail anatomy of Scalp.
- d) Describe in detail lateral wall of Nose.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Describe the Anatomy of Elbow joint.

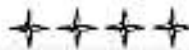
[1 × 20 = 20]

6. Describe in detail Axillary artery.

[1 × 20 = 20]

7. Describe the Anatomy of ulnar nerve.

[1 × 20 = 20]



**FIRST B.H.M.S. (2015) (New) Examination, Summer  
(Phase - III : All Other Remaining UG/PG Courses) - 2020**

**ANATOMY - II**

**(BHMS - 2015 Syllabus is applicable to BHMS (New) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*

1. Write short answer (any ten out of fifteen): [10 × 2 = 20]
- a) Name two structures passing through Aortic opening of diaphragm.
  - b) What is Mesentery?
  - c) Name two structures related to posterior surface of Stomach.
  - d) Where is McBurney's point?
  - e) Name the parts of Uterine tube.
  - f) Name two branches of femoral artery.
  - g) Name two contents of popliteal fossa.
  - h) Name two divisions of Sciatic nerve.

- i) Name two muscles of first layer of sole.
- j) Name two content of Adductor canal.
- k) Enumerate valves of Heart.
- l) Name four contents of root of right lung.
- m) Enumerate arteries supplying to heart.
- n) Name the recesses of Pleura.
- o) Write two tributaries of Azygous Vein.

2. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Thoracic duct.
- b) Right Ventricle.
- c) Posterior Mediastinum.
- d) Broncopulmonary segments.
- e) Pericardium.
- f) Arch of Aorta.

3. Write short answer (any four out of six):

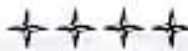
[4 × 5 = 20]

- a) Dorsalis Pedis Artery.
- b) Sartorius.
- c) Femoral Triangle.
- d) Histology of Testes.
- e) Histology of Thyroid.
- f) Histology of Large Intestine.

4. Long answer question (any two out of four): [2 × 10 = 20]
- a) Describe in detail Knee joint.
  - b) Describe in detail Hamstring muscles.
  - c) Describe in detail Popliteal artery.
  - d) Describe arches of foot in detail.

**Long answer question (any one from Q. No. 5, 6 and 7)**

5. Describe in detail anatomy of Kidney. [1 × 20 = 20]
6. Describe in detail anatomy of Stomach. [1 × 20 = 20]
7. Describe in detail anatomy of Urinary Bladder. [1 × 20 = 20]



**FIRST B.H.M.S. (2015) (New) Examination, Summer**  
**(Phase - III : All Other Remaining UG/PG Courses) - 2020**  
**PHYSIOLOGY INCLUDING BIOCHEMISTRY - I**  
**(BHMS - 2015 Syllabus is applicable to BHMS (New) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks.**
  - 5) Draw diagrams **wherever necessary.**
  - 6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*

1. Write short answer (any ten out of fifteen):

[10 × 2 = 20]

- a) Define Erythropoiesis.
- b) Give 4 functions of blood.
- c) Give the normal value of platelets.
- d) Give normal pulse rate.
- e) What is S.A. Node?
- f) What is cynosis?
- g) What are A. V. valves?
- h) What is Tidal volume?

- i) What is GFR?
- j) Name the glands of the skin.
- k) Define Osmosis.
- l) What is Epidermis?
- m) What is Diffusion?
- n) What is Thermotaxis?
- o) What is juxtaglomerular apparatus?

2. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Anaemia: Definition & different types.
- b) Electrocardiogram.
- c) Properties of Cardiac muscle.
- d) Circulation & functions of lymph.
- e) Functions of R.E. System.
- f) Plasma proteins.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Juxtaglomerular Apparatus.
- b) Lung Volume & Capacities.
- c) Write in short about Renal circulation.
- d) Hering - Breuer Reflexes.
- e) Structure of skin.
- f) Functions of muscular tissue.

4. Long answer question (any two out of four): [2 × 10 = 20]
- a) Write in detail about structure of Haemoglobin & its physiological importance.
  - b) Write in detail about Regulation of Blood Pressure.
  - c) Discuss the Oxygen Transport in relation with respiration.
  - d) Write in detail about Thermoregulation.

**Long answer question (any one from Q. No. 5, 6 and 7)**

5. Write about Leucocytes in detail. Discuss the different types of WBC & their functions in detail. [1 × 20 = 20]
6. Write in detail about the control of respiratory mechanism. Describe the nervous & chemical regulation. [1 × 20 = 20]
7. Write in detail about structure & functions of the Kidney. [1 × 20 = 20]





**FIRST B.H.M.S. (2015) (New) Examination, Summer**  
**(Phase - III : All Other Remaining UG/PG Courses) - 2020**  
**PHYSIOLOGY INCLUDING BIOCHEMISTRY - II**  
**(BHMS - 2015 Syllabus is applicable to BHMS (New) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
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  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen): [10 × 2 = 20]
- a) What is myxedema?
  - b) Name the hormones secreted by pancreas.
  - c) Give two functions of ADH.
  - d) Name the salivary glands.
  - e) What are lipid digesting enzymes in pancreatic juice?
  - f) Write phases of deglutition.
  - g) What are enzymes secreted in small intestine?
  - h) What is corpus luteum?

- i) What is menarchy?
- j) Define spermatogenesis.
- k) What are functions of luteinising hormone?
- l) Write symptoms of vitamin C deficiency.
- m) Define vitamin and name the fat soluble vitamins.
- n) Give two signs of vitamin D deficiency.
- o) What are sources of vitamin B1?

2. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Tetany.
- b) Acromegaly.
- c) Digestion of carbohydrates.
- d) Functions of bile.
- e) Classification of carbohydrates.
- f) Classification of enzymes.

3. Write short answer (any four out of six):

[4 × 5 = 20]

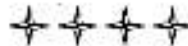
- a) Vitamin A.
- b) Vitamin K.
- c) Placenta.
- d) Spermatogenesis.
- e) First class proteins.
- f) Constituents of balanced diet.

4. Long answer question (any two out of four): [2 × 10 = 20]
- Describe synthesis storage and functions of thyroid hormones.
  - Describe the movements of small intestine.
  - Describe ovarian cycle and its hormonal regulation.
  - Define tract and explain pyramidal tract.

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Long answer question (any one from Q. No. 5, 6 and 7)

5. What are hormones secreted by adrenal cortex? Describe the action and functions of glucocorticoids in detail. [1 × 20 = 20]
6. Explain composition, secretion, functions and regulation of gastric juice. [1 × 20 = 20]
7. Describe rods and cones and add a note on optic pathway. [1 × 20 = 20]

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**FIRST B.H.M.S. (2015) (New) Examination, Summer  
(Phase - III : All Other Remaining UG/PG Courses) - 2020**

**HOMOEOPATHIC PHARMACY**

**(BHMS - 2015 Syllabus is applicable to BHMS (New) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
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  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
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1. Write short answer (any ten out of fifteen): [10 × 2 = 20]
- a) Define Extemporeous Pharmacy.
  - b) Name and year of publication of first British Homoeopathic pharmacopeia.
  - c) Define Pharmacopoeia.
  - d) What is the active principle of Opium and Secale Cor?
  - e) Write examples of Medicine prepared from roots, bark, stems and leaves.
  - f) Give four examples of Sarcodes.
  - g) What is Pharmacodynamics?
  - h) Who is a Best prover its qualities?

- i) Write any four properties of sugar of milk.
- j) What is Burt's potency?
- k) Explain meaning of BID, Q.S., Rx, HS.
- l) What is menstrum?
- m) Uses of Pyknometer and Spatula.
- n) How is Phosphorus and Hepar sulph preserved?
- o) Name the various routes of Administration of Hom. medicine.

2. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Define Nosodes with examples from each source.
- b) Write general rules of collection of drug substance in vegetable source.
- c) Branches of Hom. pharmacy.
- d) How are potentised medicine preserved?
- e) Mortar and Pestle.
- f) Class VI.

3. Write short answer (any four out of six):

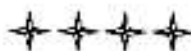
[4 × 5 = 20]

- a) Homoeopathic Pharmacopoeia of India.
- b) Explain process of preparation of ointments.
- c) Placebo.
- d) Preparation of LM scale till second potency.
- e) Detection of Impurities in water
- f) Waxes.

4. Long answer question (any two out of four): [2 × 10 = 20]
- Define prescription writing. Explain ideal parts of prescription with its example.
  - Describe process of Distillation.
  - What is the speciality and originality of Homoeopathic Pharmacy?
  - What are External Application? Describe the preparation and uses of Glycerole.

**Long answer question (any one from Q. No. 5, 6 and 7)**

5. What are various sources of Homoeopathic drugs. Describe in detail Plant and vegetable source and Imponderbelia. [1 × 20 = 20]
6. What is Drug Proving? Describe drug proving in relation to the pre requisition, methods of preparation of drugs for proving, qualities of ideal prover, restrictions during proving and methods of drug proving. [1 × 20 = 20]
7. Define Posology. What are various kinds of doses? Write in detail about repetition of doses. What is Stuart Close concept of dose? [1 × 20 = 20]



First BHMS (2015) (New) Examination Winter - 2020  
ANATOMY - I

(BHMS-2015 Syllabus is Applicable to BHMS (New) Students)

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for all Sections.

I. Write short answer (any ten out of fifteen):

[10 × 2 = 20]

- a) Mention the origin of Biceps Brachi muscle.
- b) Mention the branches of second part of Axillary artery.
- c) Mention two contents of Anatomical Snuff box.
- d) Mention two muscles attached to Intertubercular sulcus of Humerus.
- e) Mention two Adductors of Wrist Joint.
- f) Mention the Nerve supplying Deltoid Muscle.
- g) Mention the Muscle supplied by Radial nerve in arm.
- h) Define Anatomical and Surgical Neck of Humerus
- i) Write any four structures passing through Carpal Tunnel.
- j) Mention two branches of Posterior cord of brachial plexus.
- k) Mention the parts of Pharynx.
- l) Mention four contents of Carotid Triangle of Neck.
- m) Mention any four Extraocular muscle.
- n) Mention four layers of Scalp.
- o) Mention the parts of Corpus Callosum.

2. Write short answer (any four out of six):

- a) Superolateral Surface of Cerebrum.
- b) Circle of Willis.
- c) Third ventricle.
- ~~d) Spinal cord.~~
- ~~e) Spermatogenesis.~~
- ~~f) Bone Classification.~~

3. Write short answer (any four out of six):

[4 × 5 = 20]

- ~~a) Trapezius Muscle.~~
- ~~b) Axillary Nerve.~~
- c) Profunda brachia artery.
- d) Ligaments of Shoulder joint.
- ~~e) Cubital fossa.~~
- f) Pulp Space of Finger.

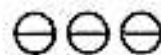
4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Describe anatomy of larynx in detail.
- b) Describe in detail posterior triangle of neck.
- ~~c) Describe in detail anatomy of Parotid Gland.~~
- d) Describe in detail anatomy of tongue.

**Long answer question (any one from Q. No. 5, 6 and 7)**

- 5. Describe in detail anatomy of wrist joint [1 × 20 = 20]
- 6. Describe in detail anatomy of brachial artery. [1 × 20 = 20]
- 7. Describe in detail anatomy of radial nerve. [1 × 20 = 20]





**First BHMS (New) (2015) Examination Winter - 2020**  
**ANATOMY - II**

**(BHMS-2015 Syllabus is Applicable to BHMS(new) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for all Sections.

1. Write short answer (any ten out of fifteen): [10 × 2 = 20]
- a) Name two constituents of Spermatic cord.
  - b) Name the coverings of Testes.
  - c) Name the arteries supplying Liver.
  - d) Write two ligaments of Spleen.
  - e) Name two structures passing through Aortic opening of Diaphragm.
  - f) Write names of any four tarsal bones.
  - g) Name two muscle forming floor of Femoral Triangle.
  - h) Name the bones taking part in formation of Knee joint.
  - i) Write names of Hamstring muscles.
  - j) Name any two contents of Adductor canal.
  - k) Mention two contents of Intercostal space.
  - l) Define Broncopulmonary segments.
  - m) Name two contents of Posterior Mediastinum.
  - n) Write names of Valves of Heart.
  - o) Name arteries supplying to Lungs

2. Write short answer (any four out of six):

- a) Root of Lung.
- b) Pleura.
- c) Superior Mediastinum. (1)
- d) Coronary arteries.
- e) Right Atrium.
- f) Azygous Vein.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Femoral Nerve.
- b) Iliotibial tract.
- c) Soleus Muscle.
- d) Histology of Liver. (2)
- e) Histology of Testis.
- f) Histology of Thyroid.

4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Popliteal Fossa
- b) Arches of Foot
- c) Obturator Nerve
- d) Ankle joint

Long answer question (any one from Q. No. 5, 6 and 7)

- 5. Describe in detail anatomy of Stomach. [1 × 20 = 20]
- 6. Describe in detail anatomy of Pancreas. [1 × 20 = 20]
- 7. Describe in detail anatomy of Uterus. [1 × 20 = 20]



First BHMS (2015) (New) Examination Winter - 2020

PHYSIOLOGY INCLUDING BIOCHEMISTRY-I

(BHMS-2015 Syllabus is Applicable to BHMS (NEW) Students)

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for all Sections.

1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]

- a) What are sites of erythropoiesis?
- b) What are types of hemoglobin?
- c) What are reticulocytes? Write normal count of reticulocytes.
- d) Enumerate any four properties of cardiac muscle.
- e) Define tachycardia and bradycardia.
- f) Define ECG.
- g) What is dead space?
- h) What is hypoxia?
- i) Enumerate four functions of kidney.
- j) Write normal constituents of urine.
- k) What is normal shell and core temperature?
- l) Name the glands of the skin.
- m) What are accessory structures of skin?
- n) Define osmosis.
- o) What is co-transport?

2. Write short answer (any four out of six):

- a) Composition of blood
- b) Rh factor
- c) Conduction system of heart
- d) Heart sounds.
- e) RE system
- f) Functions of spleen.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Nephron
- b) Glomerular filtration rate
- c) Smooth muscle
- d) Artificial respiration
- e) Lung compliance
- f) Structure of skin

4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Describe structure and functions of platelets. What is purpura?
- b) What is cardiac output? What are factors affecting cardiac output?
- c) Describe oxygen-hemoglobin dissociation curve with a proper diagram.
- d) Explain factors of heat gain and heat loss from body.

Long answer question (any one from Q. No. 5, 6 and 7)

- 5. Discuss different types of WBCs and their functions in detail. [1 × 20 = 20]
- 6. What is spirometry? Describe the pulmonary volumes and capacities with the help of a proper diagram. [1 × 20 = 20]
- 7. Discuss the mechanism of micturition. Add a note on applied physiology of micturition. [1 × 20 = 20]



First B.H.M.S. (New) (2015) Examination Winter - 2020  
PHYSIOLOGY INCLUDING BIOCHEMISTRY-II  
(BHMS-2015 Syllabus is Applicable to BHMS (New)  
Students)

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for all sections.

1. Write short answer (any ten out of fifteen):

[10 × 2 = 20]

- a) . What is hormone?
- b) . What is Gigantism?
- c) . Describe two functions of ADH.
- d) . What is absorption?
- e) . Name the bile salt.
- f) - Name two GIT hormones.
- g) . What is Puberty?
- h) . What is fertilization.
- l) - Life span of male Gamet.
- j) . What is Vitamin?
- k) . What is scurvy?
- l) . Sources of Vitamin B6.
- m) . Daily requirement and sources of Vitamin D.
- n) . Name the hormone secreted from ovary.
- o) . What is Rickets.

04112B

2. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Hyperthyroidism.
- b) Diabetes mellitus.
- c) Regulation of secretion of pancreatic juice.
- d) Glycogenesis.
- e) Functions of amino acids.
- f) Digestion of proteins.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Characteristics of vitamin.
- b) Describe night blindness.
- Platentec* c) Ovarian cycle.
- d) Structure of Testies.
- e) What is balance diet and describe it.
- f) Advantages of Cooking.

4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Describe hormones secreted by adrenal cortex and their functions.
- b) Functions and regulations of gastric juice.
- c) Define menstruation and explain ovarian cycle.
- d) Define and explain synapse.

Long answer question (any one from Q. No. 5, 6 and 7) [1 × 20 = 20]

5. Describe structure and function of posterior pituitary gland.
6. Describe composition and functions of pancreatic juice.
7. Describe mechanism of hearing.



**First B.H.M.S. (2015) (New) Examination Winter - 2020**  
**HOMOEOPATHIC PHARMACY**  
**(BHMS-2015 Syllabus is Applicable to BHMS (New)**  
**Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for all sections.

1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) Define Homoeopathic Pharmacopoeia?
  - b) What are the branches of Homoeopathic Pharmacy?
  - c) Define Homoeopathic Pharmacy?
  - d) Give four example of synthetic sources.
  - e) Give four examples of drugs prepared from roots.
  - f) Mention four medicines which are prepared from Milk.
  - g) Who is best prover and why?
  - h) Mention impurities of Alcohol.
  - i) What is spagyric pharmacy?
  - j) Define homoeopathic potentisation?
  - k) What do you mean by 1)S.O.S, 2)T.I.D, 3)O.D, 4)C.M in pharmacy.
  - l) Write the Drug strength of class I,III,V-A & VI-B.
  - m) Cleansing of Iron/Steel Mortar and pestle.
  - n) How will you preserve Fluoric acid and phosphorus mother tincture.
  - o) Liquid potencies are dispensed by?

2. Write short answer (any four out of six): [4 × 5 = 20]
- a) Vegetable Sources.
  - b) How to collect of snake venoms for homeopathic preparation?
  - c) Desicator.
  - d) Doctorine of signature.
  - e) How will you preserve Lachesis, Acid mur, Acid nit, Hepar sulph, Ferrum met. according to H.P.I.
  - f) Preservation of mother tincture.
3. Write short answer (any four out of six): [4 × 5 = 20]
- a) Describe German Homoeopathic Pharmacopoeia.
  - b) Define vehicle? write properties and uses of vehicle.
  - c) Define potency? Explain fluxion potency.
  - d) Properties and uses of Glycerin.
  - e) Aim and objective of quality control, give factors for quality control.
  - f) Placebo.
4. Long answer question (any two out of four): [2 × 10 = 20]
- a) Write in details about specialty and originalities of Homoeopathic pharmacy.
  - b) Write components of external applications and describe preparation and uses of lotion.
  - c) Define prescription writing; write about different parts of prescription writing.
  - d) Explain distilation in detail.
- Long answer question (any one from Q. No. 5, 6 and 7) [1 × 20 = 20]
5. What are the sources of drugs. Describe in details each sources with two examples.
6. What is drug proving? Write in details how proving is performed.
7. Define Posology. Describe selection of potency and advantages of minimum dose.





**First B.H.M.S. (2015) Examination, Summer - 2021**  
**ANATOMY - I**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answerbook for **all** sections.

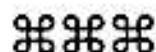
1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) Name any two muscles taking origin from Clavicle.
  - b) Write any four contents of Axilla.
  - c) Name any four branches of posterior cord of Brachial plexus.
  - d) Actions of lumbrical muscles of hand.
  - e) Name any two groups of lymph nodes draining Mammary gland.
  - f) Write down the names of musician and labourer's nerve.
  - g) Name any four movements possible in Thumb.
  - h) Write origin of Biceps brachii muscle.
  - i) What is winging of Scapula?
  - j) Mention any two branches of Ulnar artery.
  - k) Name any two infrahyoid muscles.
  - l) Write any two clinical anatomy points of Larynx.
  - m) Name of Muscles of Mastication.
  - n) Name any two structures passing through Jugular foramen.
  - o) Name any four subdural venous sinuses.

**04111A**

2. Write short answer (any four out of six): [4 × 5 = 20]
- a) Fourth Ventricle.
  - b) Hypothalamus.
  - c) Superolateral surface of Cerebrum.
  - d) Define Anatomy. Write in short about different branches of Anatomy.
  - e) Cerebrospinal fluid.
  - f) Spermatogenesis.
3. Write short answer (any four out of six): [4 × 5 = 20]
- a) Palmar Aponeurosis.
  - b) Musculocutaneous Nerve.
  - c) Cubital Fossa.
  - d) Superficial palmar arch.
  - e) Pectoralis major muscle.
  - f) Supination and Pronation of hand.
4. Long answer question (any two out of four): [2 × 10 = 20]
- a) Describe Anatomy of Diaphragm Triangle of Neck.
  - b) Describe Anatomy of Thyroid Gland.
  - c) Describe Anatomy of Middle Ear.
  - d) Describe muscles of Mastication - its origin, insertion, actions and nerve supply.

**Long answer question (any one from Q. No. 5, 6 and 7)**

5. Describe in detail the anatomy of Shoulder Joint. [1 × 20 = 20]
6. Describe in detail the anatomy of Brachial Artery. [1 × 20 = 20]
7. Describe in detail the anatomy of Radial Nerve. [1 × 20 = 20]



**First B.H.M.S. (New) (2015) Examination, Summer - 2021**  
**ANATOMY - II**

**(BHMS-2015 Syllabus is applicable to BHMS (New) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use blue/black ball point pen only.
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  - 3) All questions are compulsory.
  - 4) The number to the right indicates full marks.
  - 5) Draw diagrams wherever necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for all Sections.

1. Write short answer (any ten out of fifteen) : [10 × 2 = 20]
- a) Name any two structures forming Stomach bed.
  - b) Write any two differences between Large and Small Intestine.
  - c) Write any two unpaired branches of Abdominal Aorta.
  - d) Name any 4 supports of Uterus.
  - e) Name any two parts of Male Urethra.
  - f) Name any two ligaments of Ankle Joint.
  - g) What is Tendo-Achillis?
  - h) Enumerate Quadriceps Femoris.
  - i) What is Inversion and Eversion of Foot?
  - j) Name any two muscle supplied by Obturator Nerve.
  - k) Mention the branches of Arch of Aorta.
  - l) Enumerate Valves of Heart.
  - m) Write any four contents of root of Left Lung.
  - n) Write any four contents passing through the Superior thoracic aperture.
  - o) Name the artery supplying to Heart.

04111B

2. Write short answer (any four out of six) :

[4 × 5 = 20]

- ~~a)~~ Right Atrium.
- ~~b)~~ Pleura.
- ~~c)~~ Thoracic Duct.
- d) Broncopulmonary segments.
- ~~e)~~ Trachea.
- f) Posterior Mediastinum.

3. Write short answer (any four out of six) :

[4 × 5 = 20]

- ~~a)~~ Histology of Thyroid.
- ~~b)~~ Histology of Duodenum.
- ~~c)~~ Histology of Cerebellum.
- ~~d)~~ Adductor canal.
- e) Sartorius Muscle.
- f) Dorsalis Pedis Artery.

4. Long answer question (any two out of four) :

[2 × 10 = 20]

- ~~a)~~ Write in detail anatomy of Hip Joint.
- b) Write in detail Hamstring Muscles.
- c) Describe in detail anatomy of Sciatic Nerve.
- ~~d)~~ Write in detail anatomy Femoral triangle.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Describe in detail anatomy of Liver.

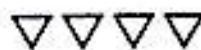
[1 × 20 = 20]

6. Describe in detail anatomy of Kidney.

[1 × 20 = 20]

7. Describe in detail anatomy of Rectum.

[1 × 20 = 20]



**First B.H.M.S. (New) (2015) Examination, Summer - 2021**  
**PHYSIOLOGY INCLUDING BIOCHEMISTRY - I**  
**(BHMS-2015 Syllabus is applicable to BHMS (New) Students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
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  - 7) Use a common answer book for all Sections.

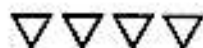
1. Write short answer (any ten out of fifteen) : [10 × 2 = 20]
- a) Define Blood. -
  - b) Define Blood pressure. -
  - c) What are WBC? ✓
  - d) Give normal value of RBCs in male, female & infants. ✓
  - e) Define Pulse. ✓
  - f) What are Semilunar Valves?
  - g) What is dyspnoea?
  - h) What is surfactant?
  - i) What is Bowman's Capsule?
  - j) Define GFR and give its normal value
  - k) Name the modes of heat gain by the body.
  - l) Give 4 Functions of Skin. ✓
  - m) Name the appendages of the Skin.
  - n) What is filtration?
  - o) What is surface tension?

**04112A**

2. Write short answer (**any four** out of six) : [4 × 5 = 20]
- a) Describe the fate of RBC & Haemoglobin.
  - b) I<sup>st</sup> & II<sup>nd</sup> Heart sound.
  - c) Functions of Blood.
  - d) Factors affecting cardiac output.
  - e) Composition and functions of Lymph.
  - f) Functions of Spleen.
3. Write short answer (**any four** out of six) : [4 × 5 = 20]
- a) Functions of Kidney & Glomerulus.
  - b) Explain the Respiratory centres.
  - c) Loop of Henle.
  - d) Simple muscle curve.
  - e) Anatomical & Physiological Respiratory Dead space.
  - f) Structure of Skin.
4. Long answer question (**any two** out of four) : [2 × 10 = 20]
- a) Write in Detail about Erythropoiesis- Sites Stages and Factors affecting it.
  - b) Explain in detail Cardiac cycle with the help of a neat labelled diagram.
  - c) Discuss the mechanism of respiration in detail.
  - d) Discuss the factors affecting body temperature.

**Long answer questions (any one from Q. No. 5, 6 and 7)**

5. Write in Detail about Coagulation of blood. Enumerate the factors of coagulation, its mechanism & applied physiology. [1 × 20 = 20]
6. Write in Detail about Hypoxia. Discuss its types in detail. [1 × 20 = 20]
7. Discuss Micturation reflex in details. [1 × 20 = 20]



**First B.H.M.S. (2015) (New) Examination, Summer - 2021**  
**PHYSIOLOGY INCLUDING BIOCHEMISTRY - II**  
**(BHMS-2015 Syllabus is applicable to BHMS(New) students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) *Use blue/black ball point pen only.*
  - 2) *Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*
  - 3) *All questions are compulsory.*
  - 4) *The number to the right indicates full marks.*
  - 5) *Draw diagrams wherever necessary.*
  - 6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*
  - 7) *Use a common answer book for all sections.*

1. Write short answer (any ten out of fifteen) : [10 × 2 = 20]
- a) What is Scurvy?
  - b) Function of Oxytocin.
  - c) What is Vitamine?
  - d) What is Digestion?
  - e) Function of Insulin.
  - f) What is Fertilization?
  - g) Name the Bile Salt.
  - h) What is Safe period?
  - i) What is Beriberi?
  - j) Name the harmon secreted by posterior pitutary gland.

- k) Function of parathyroid hormone.
- l) Clinical Features of Xerophthalmia.
- m) Function of Testosterone.
- n) Sources of Vitamin B12.
- o) Function of ADH.

2. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Describe Tetany.
- b) Function of Large Intestine.
- c) Describe Neoglucogenesis.
- d) Describe Amino Acid with their function.
- e) Function of intestinal juice.
- f) Goiter.

3. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) Describe Vitamin Tochoferol.
- b) Harmonal regulation of Menstrual cycle.
- c) Specific Dynamic Action of food.
- d) Night Blindness.
- e) Describe puberty.
- f) Importance of Carbohydrate in food.

4. Long answer question (any two out of four) :

[2 × 10 = 20]

- a) Disorder of Posterior pituitary gland.
- b) Describe Enzyme with their characteristic function.
- c) Describe menstrual cycle.
- d) Describe structure & function of cerebral cortex.



04112B

Long answer question (any one from Q. No.5, 6 and 7) :

5. Describe regulation of Blood Sugar level in human body. [1 × 20 = 20]
6. Define gastric juice. Write down the composition function and mechanism of secretion of gastric juice. [1 × 20 = 20]
7. Define deafness. What are the types of deafness write the pathway of hearing with suitable diagram. [1 × 20 = 20]



**First B.H.M.S. (2015) (New) Examination, Summer - 2021**  
**HOMOEOPATHIC PHARMACY**  
**(BHMS-2015 Syllabus is applicable to BHMS (New) students)**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for all sections.

1. Write short answer (any ten out of fifteen) : [10 × 2 = 20]
- a) Object of Homoeopathic pharmacopoeia.
  - b) Sources of Homoeopathic pharmacy.
  - c) Define pharmacology and pharmaconomy.
  - d) Write two examples of medicine prepared from fresh and dried leaves.
  - e) Define Imponderabilia with two examples.
  - f) How will you collect animal drug substances?
  - g) Define pharmacopraxy and pharmacogenetic.
  - h) Who is the best prover and in which aphorism it is mentioned.
  - i) Name the semisolid vehicle.
  - j) Define Trituration and two merit of Trituration.

k) Write down the English meaning of following abbreviation.

- i) Agit a us
  - ii) Ft.pulv
  - iii) S.O.S.
  - iv) T.I.D.
- l) Define maceration and percolation.
- m) Describe water bath and its uses.
- n) Write down the preservation of flouric acid and phosphorus.
- o) Cleansing of Iron mortar and pestles.

2. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Define Nosodes with its classification. Write five examples of nosodes prepared from animals.
- b) Define synthetic sources with five examples.
- c) Branches and scope of Homoeopathic pharmacy.
- d) Define doctrine of signature with two examples.
- e) Preservation of potentised medicine.
- f) Define mother tincture and describe class II.

3. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) Write about H.P.I. in detail.
- b) Define placebo with its utility.
- c) Uses of Glycerine.
- d) Characteristics and uses of poultices.
- e) Difference between potency and dilution.
- f) Aim and objective of Quality control.

4. Long answer question (any two out of four) : [2 × 10 = 20]
- Advantages and types of chromatography. Describe T.L.C.
  - Define ointment and method of preparation of ointment.
  - Define pharmacist. Write five feature and qualities.
  - Define pharmacopoeia. Describe B.H.P.

Long answer question (any one from Q. No.5, 6 and 7) :

5. Sources of Drug. Glycosides with five examples. Volatile oil with five examples, Sarcodes with five examples & Inorganic compound with five examples. [1 × 20 = 20]
6. Define Homoeopathic Drug proving, Qualities of prover, Pre-requisition (essential) of Drug proving, Precautionary measure to be taken during proving & write down relative merit and demerit of employing large and moderate dose. [1 × 20 = 20]
7. Define Homoeopathic Posology. Selection of potency according to constitution and temperament, Name various kinds of doses & Factors responsible for repetition of doses. [1 × 20 = 20]



**First B.H.M.S. (New) (2015) Examination, (Phase - III) Winter - 2021  
ANATOMY - I**

**(BHMS - 2015 Syllabus is Applicable to BHMS (New) Students)**

Total Duration : Section A+B = 3 Hours

Section B Marks : 80

**SECTION - B**

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) All questions are **compulsory**.
  - 4) The number to the **right** indicates full marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for section B.

**SECTION - B (SAQ) (LAQ)**

- 2) **Short Answer Question (Solve any 4 out of 6) :** **[4 × 5 = 20]**
  - a) Placenta
  - b) Classification of Joints.
  - c) Axilla.
  - d) Branches of Axillary Artery.
  - e) Pronator teres.
  - f) Ulnar Nerve in the Palm.
  
- 3) **Short Answer Question (Solve any 4 out of 6) :** **[4 × 5 = 20]**
  - a) C.S.F.
  - b) Internal Capsule.
  - c) Lateral Ventricle.
  - d) Corpus Callosum.
  - e) Optic Nerve.
  - f) Pons.

First B.H.M.S. (New)/(2015) Examination, (Phase - II) Summer - 2022

ANATOMY - I

(Paper - I)

(BHMS - 2015 Syllabus is applicable to BHMS (New) Students)

Total Duration : Section A + B = 3 Hours

Section B Marks : 80

**SECTION - B**

- Instructions :**
- 1) Use blue/black ball point pen only.
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  - 3) All questions are compulsory.
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  - 5) Draw diagrams wherever necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answerbook for all sections.

2. Short answer questions (Solve any 4 out of 6): [4 × 5 = 20]

- a) Structure of Ovum
- b) Cubital Fossa
- c) Ossification of Long Bone
- d) Pectoralis Major
- e) Axillary Nerve
- f) Superficial Palmer arch

3. Short answer questions (Solve any 4 out of 6): [4 × 5 = 20]

- a) Third Ventricle
- b) Oculomotor nerve
- c) Cerebellum

- d) Superolateral surface of Cerebrum
- e) Parts of brain
- f) Mid brain

4. Long answer questions (Solve any 2 out of 4): [2 × 10 = 20]

- a) Describe Anatomy of Tongue

SECTION - B

- b) Describe the Anatomy of Eyeball

- c) Describe in detail Pharynx

OR

- d) Write the boundaries and subdivisions of Anterior Triangle of Neck and describe Carotid triangle in detail.

Long answer questions (any one from Q. No. 5, 6 and 7): [1 × 20 = 20]

- 5. Describe in detail Anatomy of Shoulder Joint.
- 6. Describe in detail Anatomy of Radial Nerve with its Applied anatomy.
- 7. Describe in detail Anatomy of Axillary Artery.

OR

3. Short answer questions (Solve any 4 out of 6): [4 × 5 = 20]

- a) Third Ventricle
- b) Oculomotor nerve
- c) Cerebellum

First B.H.M.S. (New)/(2015) Examination, (Phase-II) Summer - 2022

ANATOMY-II

(Paper-II)

(BHMS-2015 Syllabus is applicable to BHMS (New) Students)

Total Duration : Section A + B = 3 Hours

Section B Marks : 80

**SECTION - B**

- Instructions :**
- 1) Use *blue/black* ball point pen only.
  - 2) **Do not** write anything on the **blank portion** of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answerbook for all sections.

2. Short answer questions: (Solve any 4 out of 6) : [4 × 5=20]

- a) Histology of Thyroid.
- b) Histology of Liver.
- c) Triceps surae muscles.
- d) Ligaments of knee joint.
- e) Gluteus maximus.
- f) Histology of Pancreas.

3. Short answer questions (Solve any 4 out of 6) : [4 × 5 = 20]

- a) Pericardium.
- b) Azygos Vein.
- c) Arch of Aorta.
- d) Mediastinum.
- e) External feature of heart.
- f) Differences between right & left lung.



4. Long answer questions: (Solve any 2 out of 4) : [2 × 10 = 20]

a) Inguinal canal.

OR

b) Extra Hepatobiliary apparatus.

c) Hamstring group of muscles.

OR

d) Ankle joint

Long answer question (any one from Q.No. 5, 6 and 7): [1 × 20 = 20]

5. Describe in detail structures of Spleen.

6. Describe in detail structures of Rectum.

7. Describe in detail structures of duodenum.



First B.H.M.S. (New) / (2015) Examination, (Phase - II) Summer - 2022  
PHYSIOLOGY INCLUDING BIOCHEMISTRY-I  
(Paper - I)

(BHMS-2015 Syllabus is applicable to BHMS (New) Students)

Total Duration : Section A + B = 3 Hours

Section B Marks : 80

**SECTION - B**

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank** portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) All questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answerbook for all sections.

2. Short Answer Questions (Solve any 4 Out of 6): [4 × 5 = 20]

- a) Heart sounds
- b) Functions of Reticulo-endothelial system
- c) Diffusion
- d) Composition of blood
- e) Special junctional tissues of heart
- f) ESR

3. Short Answer Questions (Solve any 4 out of 6): [4 × 5 = 20]

- a) Periodic breathing
- b) Glands of the skin
- c) Asphyxia

- d) Juxtaglomerular apparatus
- e) Glomerular filtration rate
- f) Neuromuscular junction

4. Long Answer Questions (Solve any 2 out of 4): [2 × 10 = 20]

- a) What is normal body temperature? Describe the mechanism involved in regulation of body temperature.

OR

- b) Discuss mechanism of oxygen transport. Add a note on oxygen dissociation curve.
- c) Define cardiac output & its normal value. Describe the factors affecting cardiac output.

OR

- d) Describe the mechanism of coagulation. Add a note on coagulation Disorders.

Long Answer Questions (Any one from Q.No. 5,6 and 7) [1 × 20 = 20]

- 5. Classify blood groups. Explain ABO system & Rh factor in detail.
- 6. Describe the mechanics of respiration. Add a note on the respiratory muscles.
- 7. What is micturition? Describe the micturition reflex in detail.



First B.H.M.S. (New)/(2015) Examination, (Phase - II) Summer - 2022  
PHYSIOLOGY INCLUDING BIOCHEMISTRY - II (Paper - II)  
(BHMS - 2015 Syllabus is applicable to BHMS (New) Students)

Total Duration : Section A + B = 3 Hours

Section B Marks : 80

**SECTION - B**

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answerbook for all sections.

2. Short Answer Questions (Solve any 4 out of 6) : [4×5=20]

- a) Vitamin C
- b) Rickets
- c) Neurotransmitters
- d) Functions of Hypothalamus
- e) Pregnancy Test
- f) Define Diet for adult man

3. **Short Answer Questions (Solve any 4 out of 6) :** [4×5=20]
- a) Visual Acuity
  - b) Addison's Disease
  - c) Explain Pavlov's Pouch
  - d) Bile salts
  - e) Functions of Growth Hormone
  - f) Digestion of fats

4. **Long Answer Questions (Solve any 2 out of 4) :** [2×10=20]
- a) Describe the various phases of Menstrual Cycle and their hormonal regulation.

OR

- b) Describe in detail movements of Gastrointestinal Tract.
- c) Describe the mechanism of Hearing and Auditory pathway.

OR

- d) Describe in detail functions and control of secretion of Thyroid Hormones.

**Long Answer Questions (Any one from Q. No. 5, 6 and 7) :** [1×20=20]

- 5. Describe the structure of Synapse. Explain the mechanism of transmission at Synapse. Enumerate different properties of Synapse.
- 6. Enumerate different Hormones of Anterior Pituitary. Explain the functions and effects of malfunction of Hormones of Anterior Pituitary.
- 7. Describe the process of Digestion and Absorption of Carbohydrates in the Gastrointestinal Tract.



First B.H.M.S. (2015)/(New) Examination, (Phase-II) Summer - 2022  
HOMOEOPATHIC PHARMACY  
(BHMS-2015 Syllabus is Applicable to BHMS (New) Students)

Total Duration : Section A + B = 3 Hours

Section B Marks : 80

**SECTION - B**

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full marks.**
  - 5) **Draw diagrams wherever necessary.**
  - 6) **Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.**
  - 7) **Use a common answerbook for all sections.**

**2. Short answer questions (Solve any 4 out of 6) : [4 × 5=20]**

- a) Write general rules of collection of drug substance in vegetable sources.
- b) Class IV
- c) Preservation of mother tincture.
- d) Nosodes with examples
- e) Branches of Homoeopathic pharmacy.
- f) Pyknometer.

**3. Short answer questions (Solve any 4 out of 6) : [4 × 5 = 20]**

- a) Cataplasms.
- b) H.P.I.
- c) Speciality and originality of Homoeopathic Pharmacy.

- d) Placebo.
- e) Scope of Homoeopathic Pharmacy.
- f) Methods of dispensing of medicines in Homoeopathy.

4. Long answer questions (Solve any 2 out of 4) : [2 × 10 = 20]

- a) What is standardisation. Explain different methods of drug standardisation.

OR

- b) Differences between centesimal scale and decimal scale of potency in detail.
- c) Scope of Homoeopathic pharmacy in relation of National economy.

OR

- d) What is prescription writing. Explain ideal parts of prescription with example.

Long answer question (any one from Q.No 5, 6 and 7) [1 × 20 = 20]

- 5. Describe in detail history, preparation and administration of L.M. Scale with its advantages and disadvantages.
- 6. What are sources of Homoeopathic Drugs. Explain zoological classification of animal kingdom with 4 examples of drugs prepared from phylum arthropoda, class insecta and add a brief note on imponderabilia.
- 7. What is ideal vehicle. Classify vehicles and describe in detail preparation of Saccharum lactis with its purification process.

