



**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):

- 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]

6. Describe in detail Axillary artery.

[1 × 20]

7. Describe the Anatomy of ulnar nerve.

[1 × 20]





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ANATOMY - II

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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):

- 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]





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**PHYSIOLOGY INCLUDING BIOCHEMISTRY - I
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Total Marks : 100

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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? *If \uparrow the rate of filtration \rightarrow plasma to 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):

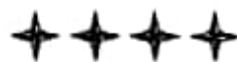
[4 × 5 = 20]

- 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]





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**PHYSIOLOGY INCLUDING BIOCHEMISTRY - II
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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 menarche?
- 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]
- a) Describe synthesis storage and functions of thyroid hormones.
 - b) Describe the movements of small intestine.
 - c) Describe ovarian cycle and its hormonal regulation.
 - d) Define tract and explain pyramidal tract.

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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HOMOEOPATHIC PHARMACY

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

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Total Marks : 100

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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 Pharmacopoiea.
- 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]

- a) Define prescription writing. Explain ideal parts of prescription with its example.
- b) Describe process of Distillation.
- c) What is the speciality and originality of Homoeopathic Pharmacy?
- d) 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]

