

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

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 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.

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04111 A



(4×5=20)

2. Write short answer (**any four** out of six) :
- a) Internal capsule.
 - ✓ b) Occulomotor nerve.
 - ✓ c) Lateral Ventricle.
 - ✓ d) T.S. of Spinal Cord.
 - ✓ e) Types of Fibrous Joints with examples.
 - f) Notochord.

(4×5=20)

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

(2×10=20)

4. Long answer question (**any two** out of four) :
- 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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First B.H.M.S. (2015) Examination, Summer 2016
ANATOMY – II

Total Duration : 3 Hours

Total Marks : 100

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 - 3) **All** questions are **compulsory**.
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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.

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(4×5=20)

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

- a) Rt. Atrium.
- b) Superior mediastinum.
- c) Right Lung.
- d) Pericardium.
- e) Inlet of Thorax.
- f) Azygos vein.

(4×5=20)

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

- a) Obturator nerve.
- b) Gluteus maximus.
- c) Bursae of Knee joint.
- d) Histology of stomach.
- e) Histology of thyroid gland.
- f) Histology of spleen.

(2×10=20)

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

- a) Femoral triangle.
- b) Ankle joint.
- c) Popliteal fossa.
- d) Dorsalis pedis artery.

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

Long answer question :

(1×20=20)

5. Describe anatomy of liver in detail.

Long answer question :

(1×20=20)

6. Describe anatomy of Rt. Kidney with applied importance.

Long answer question :

(1×20=20)

7. Describe Testis in detail.



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

Duration : 3 Hours

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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.

P.T.O.



04112 A

(4x5=20)

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

- 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.

(4x5=20)

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

- 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) :

(2x10=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 :

(1x20=20)

Discuss Cardiac cycle in detail with the help of a neat labelled diagram.

6. Long answer question :

erythropoiesis and diff stage of erythropoiesis

(1x20=20)

Describe regulation of respiration in detail.

7. Long answer question :

(1x20=20)

Describe the various parts of the nephron with the help of a neat labelled diagram.

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

Total Duration : 3 Hours

Total Marks : 100

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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.

04112 B



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

(4×5=20)

- a) Aldosterone.
- b) Diabetes Mellitus.
- c) What is deglutition ?
- d) Nervous phase of gastric juice secretion.
- e) Beta oxidation.
- f) Functions of proteins.

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

(4×5=20)

- a) Beriberi.
- b) Scurvy.
- c) Spermatogenesis.
- d) Functions of oxytocin.
- e) What is balance diet ? Give functions of its contents.
- f) Obesity.

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

(2×10=20)

- a) Functions of T_3 and T_4 .
- b) Describe digestion and absorption of carbohydrates in details.
- c) Explain menstruation and Add a note on the hormones regulating.
- d) Describe functions of hypothalamus.

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

5. Write hormones of anterior pituitary and describe growth hormone with functions applied and regulation of secretion.

(1×20=20)

6. Describe the composition, function and mechanism of secretion of saliva with clinical applied aspects.

(1×20=20)

7. Describe in detail visual pathway with various refractory errors.

(1×20=20)

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

Total Duration : 3 Hours

Total Marks : 100

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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.

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(4×5=20)

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

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

(4×5=20)

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

- ✓ 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.

(2×10=20)

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

- 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 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.

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