



04111A

First B.H.M.S. (2015) Examination, Summer 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) Name the branches of Lateral cord of Brachial Plexus.
- b) Name the structures passing through quadrangular space.
- c) Write any four peculiarities of clavicle ?
- d) Name the muscles of thenar eminence.
- e) What is Triangle of Auscultation ?
- f) Name the rotator cuff muscles.
- g) Name the Adductors of Wrist.
- h) Name 4 muscles supplied by Median nerve.
- i) What are the attachments of Pectoralis Minor muscle ?
- j) Name the muscles attached on Acromion Process of scapula.
- k) Name the structures forming Waldayer's Ring of Nodes.
- l) Write any 4 contents of carotid triangle.
- m) Name any four muscles of Facial Expression.
- n) Name the layers forming scalp.
- o) Name the parts of corpus callosum.

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(4×5=20)

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

- a) Floor of 4th ventricle.
- b) Thalamus.
- c) Classification of Connective Tissue.
- d) T.S. of Spinal Cord.
- e) Cerebrospinal Fluid.
- f) Placenta.

(4×5=20)

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

- a) Musculocutaneous nerve.
- b) Trapezius muscle.
- c) Cubital Fossa.
- d) Structure of Mammary Gland.
- e) Ulnar Nerve in Hand.
- f) Palmar aponeurosis.

(2×10=20)

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

- a) Describe the posterior triangle of neck.
- b) Describe the lateral wall of nose.
- c) Describe the parotid gland.
- d) Describe the anatomy of Larynx.

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

5. Long answer question.

Describe the anatomy of shoulder joint.

(1×20=20)

6. Long answer question.

Describe the anatomy of Ulnar Artery.

(1×20=20)

7. Long answer question.

Describe the anatomy of Radial nerve.

(1×20=20)

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**First B.H.M.S. (2015) Examination, Summer 2017
ANATOMY – II**

Total Duration : 3 Hours

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**.
 - 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 contents of Rectus sheath.
 - b) Write Visceral relations of Spleen.
 - c) Write main features of Large Intestine.
 - d) Mention positions of Appendix.
 - e) Mention formation of Hepatopancreatic ampulla.
 - f) Mention ligaments of Ankle joint.
 - g) Mention muscles supplied by Femoral nerve.
 - h) Mention the muscles of Posterior Compartment of Leg.
 - i) Mention muscles in the Second Layer of Sole of Foot.
 - j) Mention muscles forming the boundaries of Adductor Canal.
 - k) Mention valves of Heart.
 - l) Write any 4 differences between Right Lung and Left Lung.
 - m) Write Branches of Arch of Aorta.
 - n) Mention contents of Superior mediastinum.
 - o) Write the names of Major Structures piercing the Diaphragm.

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(4×5=20)

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

- a) Bronchopulmonary Segments.
- b) Right Atrium.
- c) Thoracic duct.
- d) Blood Supply of Heart.
- e) Azygos venous system
- f) Superior Mediastinum

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

(4×5=20)

- a) Sartorius muscle.
- b) Dorsalis Pedis Artery.
- c) Fascia Lata.
- d) Histology of Thyroid Gland.
- e) Histology of Skin.
- f) Histology of Pancreas.

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

(2×10=20)

- a) Write the Anatomy of Popliteal Fossa.
- b) Write the Anatomy of Hip joint.
- c) Write the Anatomy of Sciatic nerve.
- d) Write the Anatomy of Hamstring muscles.

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

5. Long answer question :

(1×20=20)

Describe the Anatomy of Stomach in detail.

6. Long answer question :

(1×20=20)

Describe the Anatomy of Liver in detail.

7. Long answer question :

(1×20=20)

Describe the Anatomy of Uterus in detail.

Q. No. 3 (a) Corrected as under:-

a) Sartorius muscle.

(4x5=20)

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

Total Duration : 3 Hours

Total Marks : 100

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 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
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1. Write short answer (any ten out of fifteen) : (10x2=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 aveloi.
 - o) What is colloid ?

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

- 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.

(4×5=20)

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

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

(4×5=20)

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

- Write in detail about structure of Haemoglobin and its physiological importance.
- Write in detail about Regulation of Blood Pressure.
- Write in detail Transport of O₂ (Oxygen) in relation with respiration.
- Write in detail about Thermoregulation.

(2×10=20)

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

5. Long answer question :

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

(1×20=20)

6. Long answer question :

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

(1×20=20)

7. Long answer question :

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

(1×20=20)

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

Total Duration : 3 Hours

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**.
 - 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 Oxytocine. *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 ^{physiology} related to salivary secretion.
- m) Name the hormones of Posterior Pituitary.
- n) Define vomiting. *hormones*
- o) Name the hormones secreted by Thyroid. *hormones*

Q.1 (d) corrected as follows:-

1) Name the hormones secreted by the ovary.

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(4x5=20)

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

- a) Glycolysis
- b) Dwarfism
- c) Peristalsis
- d) Functions of Tongue
- e) Amino acids
- f) Function of gastrin.

(4x5=20)

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

- a) Obesity
- b) Enzymes
- c) Functions of Testosterone
- d) Formation of mature ovum
- e) Beri-Beri
- f) Rickets.

(2x10=20)

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

- 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 ^{taste} (taste) with its applied physiology.

Q.No. 7 Corrected as under:-

Write in details about pathway of taste with its applied physiology.

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**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 1st and 2nd 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 ?

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(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.

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