



**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 <sup>Trunk</sup>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.



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

- 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) :

- 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) :

- 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 :

Describe in detail anatomy of Shoulder joint with its applied anatomy.

6. Long answer question :

Describe in detail anatomy of Axillary artery.

7. Long answer question :

Describe in detail Radial nerve with its Applied anatomy.

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**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.
  - 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.

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.
  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.
  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.
  6. Long answer question :  
Describe the Anatomy of Right Kidney in detail.
  7. Long answer question :  
Describe the Anatomy of Uterus in detail.
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First B.H.M.S. (New/2015) Examination, Winter 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**.
  - 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 cynosis.
- 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.

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

- ~~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) :

- ~~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) :

- ~~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 :

Explain- mechanism of coagulation of blood.

6. Long answer question :

Write concept of oxygen transport with Oxygen haemoglobin dissociation curve.

7. Long answer question :

Write concept of Micturation Reflex with regulation.



**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.

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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) :

(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.

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

(4x5=

- 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=

- a) Importance of balanced 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

- 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

Long answer question :

6. Write in detail digestion and absorption of protein.

(1x20

Long answer question :

7. Describe the mechanism of taste receptor along with its function.

(1x20



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

Total Duration : 3 Hours

Total Marks : 100

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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.

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.
- j) 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 ?



- 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.