



**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.

P.T.O.

04111A



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

(4×5=20)

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

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

(4×5=20)

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

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

(2×10=20)

- 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)



04111 B

First B.H.M.S. (2015) Examination, Summer 2017  
ANATOMY – 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) 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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2. Write short answer (any four out of six) :

(4×5=20)

- 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.



04111 B



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

P.T.O.



2. Write short answer (**any four** out of six) : (4×5=20)
- 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) : (4×5=20)
- 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) : (2×10=20)
- 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 : (1×20=20)  
Describe the Anatomy of Liver in detail.
6. Long answer question : (1×20=20)  
Describe the Anatomy of Right Kidney in detail.
7. Long answer question : (1×20=20)  
Describe the Anatomy of Uterus in detail.
-



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



Total Duration : 3 Hours

Total

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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 <sup>trunk</sup> eerd 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.

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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.





- 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) 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 <sup>trunk</sup> eerd 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.

- a) name the carpal bone lies in Distal row.
- e) Mention any two contain of Cubital Fossa.
- f) Mention any two branches of Upper <sup>trunk</sup> eerd 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.

04111 B



2. Write short answer (any four out of six) : (4x5=20)
- Thoracic duct.
  - Conducting System of Heart.
  - Pericardium.
  - Openings in the Diaphragm.
  - Hilum of both Lungs.
  - Bronchopulmonary segments.
3. Write short answer (any four out of six) : (4x5=20)
- Adductor canal.
  - Quadriceps Femoris muscle.
  - Ligaments of Ankle Joint.
  - Histology of Duodenum.
  - Histology of Testis.
  - Histology of Skeletal Muscle.
4. Long answer question (any two out of four) : (2x10=20)
- Write the Anatomy of Femoral artery.
  - Write the Anatomy of Longitudinal Arches of Foot.
  - Write the Anatomy of Obturator Nerve.
  - Write the Anatomy of Popliteal Fossa.

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

5. Long answer question : (1x20=20)  
Describe the Anatomy of Spleen in detail.
6. Long answer question : (1x20=20)  
Describe the Anatomy of Duodenum in detail.
7. Long answer question : (1x20=20)  
Describe the Anatomy of Rectum in detail.
-



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

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Total Marks : 100

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I. 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.

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

(4×5=20)

- a) Corpus Callosum.
- b) Optic nerve.
- c) Spinal Cord.
- d) Classification of joint with its examples.
- e) Structure of Ovum.
- f) Development of Right Atrium.

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

(4×5=20)

- a) Deltoid muscle.
- b) Boundaries and contents of Cubital Fossa.
- c) Flexor Retinaculum.
- d) Axillary group of Lymph Nodes.
- e) Musculocutaneous Nerve.
- f) Radial Artery.

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

(2×10=20)

- a) Describe in detail anatomy of Parotid Gland.
- b) Describe anatomy of Lateral wall of Nose.
- c) Describe anatomy of Posterior triangle of neck.
- d) Describe in Detail anatomy of Larynx.

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

5. Long answer question :

(1×20=20)

Describe in detail the anatomy of Wrist Joint.

6. Long answer question :

(1×20=20)

Describe in detail Brachial Plexus with its applied anatomy.

7. Long answer question :

(1×20=20)

Describe in detail Median nerve and its clinical anatomy.



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**First BHMS (2015)/(New) Examination, Winter 2018  
ANATOMY – 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) 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.
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)
-



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



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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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.
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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 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 ?

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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) Imponderbilla.
- 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.



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



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 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) CochI
  - 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 ?

(4×5=20)

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

- 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. ✓

(4×5=20)

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

- 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. ✓

(2×10=20)

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

- 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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**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 ~~Pharmacopoeia~~ *Pharmacopoeia*.
- 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.

04113



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.



**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 part of the 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 ?

04113



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~~ *Scale*.

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) 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) : (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 ?

P.T.O.

04112 A



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

- a) Define erythrocyte.
- b) Define WBC and classification with function.
- c) What is E.C.G. ?
- d) Properties of Cardiac muscle.
- e) Define lymph with its function.
- f) Function of spleen.

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

- a) Juxta Glomerular Apparatus.
- b) Write in short about Renal circulation.
- c) Functions of muscular tissue.
- d) Lung Volume and Capacities.
- e) Artificial respirations.
- f) Function of skin.

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

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



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 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 <sup>physiology</sup> related to salivary secretion.
- m) Name the hormones of Posterior Pituitary. *hormones*
- n) Define vomiting.
- o) Name the hormones secreted by Thyroid. *hormones*

Q.1 (d) corrected as follows:-

d) Name the hormones secreted by the ovary.

P.T.O.

04112 B



(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).

(1x20=20)

5. Long answer question.

Enumerate hormones secreted by anterior pituitary and describe in details growth hormone.

(1x20=20)

6. Long answer question.

Write the composition Functions and mechanism of secretion of gastric Juice.

(1x20=20)

7. Long answer question.

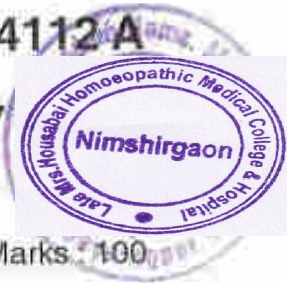
Write in details about Pathway of <sup>taste</sup> (taste) with its applied physiology.

Q.No. 7 Corrected as under:-

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

04112A

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 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.

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.

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04112B



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)





**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 cyanosis.
  - 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.

04112 A



2. Write short answer (any four out of six) : (4×5=20)
- a) Functions of RBC.
  - b) Plasma proteins.
  - c) Cardiac output.
  - d) Properties of cardiac muscle.
  - e) Functions of spleen.
  - f) Composition and functions of lymph.

3. Write short answer (any four out of six) : (4×5=20)
- a) Peculiarities of renal circulation
  - b) Juxtaglomerular apparatus
  - c) Sarcomere
  - d) Respiratory membrane
  - e) Hypoxia.
  - f) Functions of skin

4. Long answer question (any two out of four) : (2×10=20)
- a) Describe formation and fate of hemoglobin.
  - b) Describe cardiac cycle with the help of suitable diagram.
  - c) Explain mechanics of breathing. Add a note on lung compliance.
  - d) 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.



**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 myxedemie. *myxedema*
- 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 ?



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.

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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 ?



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.





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.



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

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

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





[Total No. of Pages : 3

+2+3+15

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

- I. 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 micturation reflex.
  - k) What are the different modes of heat loss from the body?

04111A  
[4 × 5 = 20]

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

- a) Corpus Callosum.
- b) Lateral Ventricle.
- c) Cerebellum.
- d) Optic nerve.
- e) Classification of Joint with examples.
- f) Placenta.

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

[4 × 5 = 20]

- a) Deltoid muscle.
- b) Axillary nerve.
- c) Axillary lymph nodes.
- d) Ligaments of Wrist joint.
- e) Carpal tunnel syndrome.
- f) Cubital fossa.

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

[2 × 10 = 20]

- a) Describe anatomy of Tongue in detail.
- b) Describe anatomy of anterior triangle of neck and explain submandibular triangle in detail.
- c) Describe anatomy of Parotid gland in detail.
- d) 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]

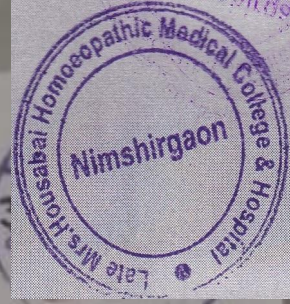
7. Describe anatomy of Radial nerve in detail.

[1 × 20 = 20]



[Total No. of Pages : 2

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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.
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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.

I. 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 Lachesis & Hepar Sulph are preserved?
- o) Dispensing of L.M. Potency.

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04112B

[4 × 5 = 20]

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

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

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]



[Total No. of Pages : 2

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.
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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 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. *seminal vesicles*
  - 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.

04111B

[4 × 5 = 20]

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.

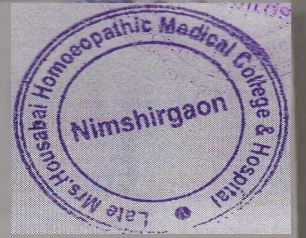
[1 × 20 = 20]

7. Describe the Anatomy of Urinary bladder in detail.

[1 × 20 = 20]



[Total No. of Pages : 2



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

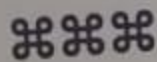
- Instructions :**
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1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) What is meaning of words Pharmakon & Poies?
  - b) What are sources of Homoeopathic Pharmacy?
  - c) When British Homoeopathic Pharmacopoeia was published?
  - 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?

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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]





04112B

[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

[4 × 5 = 20]

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

- 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

04112A

- 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.~~ *Pressure*
- 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.

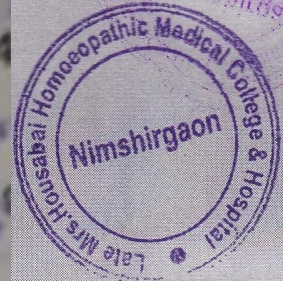
First BHMS (2015) (New) Examination, Winter  
(Phase - III All Other remaining UG/PG Course) - 2015

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.
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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) 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).

- 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 millesimal 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):

5. Write in detail about preparation, properties, Uses & Impurities of Sugar of Milk. [1 × 20 = 20]

6. Define Drug Proving. Write in details about Quality of ideal prover, Single blind method, Double blind method & Instructions to the prover. [1 × 20 = 20]

7. Define Posology. Describe Homoeopathic Posology, Lower potency, Higher potency & What are the factors responsible for selection of potency.

[1 × 20 = 20]



Total No. of Pages : 2

04112



First B.H.M.S. (2015) (New) Examination, Summer (Phase - II) 20  
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.
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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 ~~Aptylism~~ **Ptyalism**
- e) Name two Bile Salts
- f) Name the secretions of Stomach cells
- g) Functions of Placenta
- h) What is Puberty
- i) Functions of 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) :
- a) Define Sarcodes explain with examples and collection.
  - b) Collection of Animal Kingdom.
  - c) Preservation of Potentised Medicines.
  - d) Doctrine of signature.
  - e) Desicator.
  - f) Maceration.

3. Write short answer (**any four** out of six): [4 × 5 = 20]
- a) Indian Homoeopathic Pharmacopoeia (IHP).
  - b) Globules preparation, & its uses.
  - c) Placebo in Homoeopathy & Hahnemannian view regarding Placebo.
  - d) Jumping Potency.
  - e) Liniments & Lotion.
  - f) Chemical Evaluation & Biological Evaluation.

4. Long answer question (**any two** out of four): [2 × 10 = 20]
- a) Speciality & Originality of Homoeopathic Pharmacy.
  - b) Define & describe Prescription Writing with its validity & importance.
  - c) Describe Preparation of Ointment with its methods and uses.
  - d) 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]

[Total No. of Pages : 2



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.
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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):
- a) Hemoglobin
  - b) Plasma proteins
  - c) Radial pulse
  - d) Factors affecting cardiac output
  - e) Functions of spleen
  - f) Types and functions of RE cells.

[4 × 5 = 20]

3. Write short answer (any four out of six):
- a) Juxtaglomerular apparatus
  - b) Renal circulation
  - c) Sarcomere
  - d) Asphyxia
  - e) Lung compliance
  - f) Sweat gland

[2 × 10 = 20]

4. Long answer question (any two out of four):
- a) What is Rh factor and Rh incompatibility?
  - b) Describe the properties of cardiac muscle.
  - c) Describe O<sub>2</sub>-Hb dissociation curve.
  - d) 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