Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination –12-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

HUMAN ANATOMY - PAPER I (RS3)

QP Code: 1402

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Describe Brachial plexus under following headings:
   a) Formation b) Branches of cords c) Applied aspects.
2. Describe Thyroid gland under following headings:
   a) External features b) Relations c) Nerve supply d) Applied aspects.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Give a brief account of Tentorium cerebelli.
4. Give brief description of Internal capsule with clinical aspects.
5. Describe origin, course, distribution and applied aspects of Facial nerve.
6. Describe formation and applied anatomy of External jugular vein.
7. Enumerate layers of eyelids. Discuss in brief its applied aspects.
8. Give a brief account on Radial artery in Hand with its applied anatomy.
9. Give the origin, insertion, nerve supply and action of biceps muscle.
10. What is Deep Fascia? Give an example of deep fascia with its functions.
11. Classify skeletal muscles of the body with examples.
12. Describe Fibro cartilage with examples.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Describe Trigeminal neuralgia.
14. List contents of Carotid sheath
15. List events occurring at Sterna angle
16. Enumerate boundaries and contents of Submental triangle.
17. Eustachian tube – its applied aspect
18. List Cartilages of Larynx
19. Colle’s fracture – its applied aspect
20. Name the Carpal bones in Anatomical order.
21. Name the muscles attached to the Clavicle.
22. Mention the boundaries of Cubital fossa

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 12-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

HUMAN ANATOMY – PAPER-I (RS4 & RS5)
QP Code: 1451

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Describe parts, relation, blood supply, applied aspect of Pituitary gland.
2. Describe course, relation, branches, applied aspect of Ulnar artery.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe the process of mitosis.
4. Microscopic structure of cell
5. Classify fibrous joints.
6. Write features and clinical anatomy of Internal capsule.
7. Mention the derivatives of the germ layers of the embryonic disc.
8. Describe general features of Atlas.
9. Write course and branches of Facial artery.
10. Describe the typical cervical vertebra.
11. Describe the boundaries and contents of cubital fossa.
12. Write about origin, insertion, nerve supply and actions of deltoid muscle.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Name the appendages of the skin.
14. Define myotome.
15. Mention the functions of hypothalamus.
16. Mention three tracts in the white matter of spinal cord.
17. Mention the importance of substantia nigra.
18. Mention the parts of blastocyst.
19. Define corona radiata.
20. Name the cartilages of larynx.
21. Mention the contents of carotid sheath.
22. Name structures piercing Clavipectoral fascia.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 14-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

HUMAN ANATOMY – PAPER-II (RS4/RS5)
QP Code: 1452

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Describe the attachment, nerve supply of Typical Intercostal muscles.
2. Describe the parts, blood supply, nerve supply and applied anatomy of Gall Bladder.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe the features, relations, blood supply, venous drainage, applied anatomy of Urinary bladder.
4. Describe ligaments of Uterus.
5. Describe course, relation, termination, branches and applied anatomy of Femoral artery.
6. Describe origin, insertion, nerve supply and action of Adductor Magnus.
7. Histology of thin Skin.
8. Histology of Suprarenal Gland.
9. Describe the course, relation, termination and tributaries of Thoracic duct.
10. Describe attachments of Posterior Abdominal wall muscles.
11. Mention the blood supply of Pancreas.
12. Define the formation of Superior mesenteric vein.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Explain the Testicular artery.
14. Mention external genitals in Female.
15. Explain iliac crest.
16. Describe Peroneal Retinaculum.
17. Explain Hamstring muscles.
18. Explain Femoral canal.
19. Name the branches of Arch of Aorta.
20. Name the structures passing Through thoracic outlet.
21. Define Epiploic Foramen.
22. Describe Bare area of liver.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 14-Aug-2024

Time: 3 Hours **Max. Marks: 100**

HUMAN ANATOMY - PAPER – II (RS3)
QP Code: 1403

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Describe the parts, blood supply, posterior relation & applied aspect of the Uterus
2. Describe the upper end of Femur & attachments to Linea Aspera

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe the Caecum
4. Describe the Long Saphounous Vein
5. Describe the Bile Duct
6. Describe the Arch of Aorta
7. Describe Azygos vein – its course and termination
8. Illustrate the microstructure of Spleen
9. Describe the Celiac Trunk
10. Describe the Trigon of the Bladder
11. Describe the Pulmonary Valve
12. Write a note on the Cardiac Impression of the Left Lung

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Applied anatomy of Recto Uterine Pouch
14. What is Ligamentum Arteriosum
15. Name the contents of Porta Hepatis
16. What is Fossa Ovalis?
17. Applied anatomy of Costo – Diaphragmatic Recess
18. What are Bulbo Urethral Glands?
19. Name the parts of the Liver
20. Explain the applied anatomy of Gall Bladder
21. Name the branches of the Internal Iliac Artery
22. Name blood supply of the Appendix

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 17-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

Physiology and Biochemistry - Paper I - (RS3)
QP Code: 1404

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Define the oxygen – heamoglobin disassociation curve. Explain the 'S' Shaped curve with a suitable diagram.
2. Describe the process involved in the formation of urine.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Explain the functions of plasma proteins.
4. What are Agranulocytes? Describe each of their functions.
5. What is immunity? Describe specific and non-specific immunity.
6. Explain the extrinsic mechanism of coagulation.
7. Mention the conditions where blood transfusion is required. Mention three precautions taken before transfusion.
8. What are the muscles of inspiration and expiration? Explain their role in normal respiration.
9. Describe in detail the lung volumes.
10. What is the renal corpuscle? Explain the structure of renal corpuscles.
11. Explain visual pathway with a neat diagram.
12. Classify odors and describe olfactory receptors.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. What is normal platelet count?
14. Define Dialysis.
15. Define Hypoxia.
16. Define Reticulo Endothelial System.
17. What is Polycythemia?
18. Mention the importance QRS complex in ECG.
19. Define osmosis.
20. Mention layers of skin.
21. Define refractory period.
22. Define Blood Pressure. Mention its normal values.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 20-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

PHYSIOLOGY AND BIOCHEMISTRY - PAPER - II (RS-3)
QP Code: 1405

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. What are the hormones secreted by Parathyroid glands? Explain their functions and add a note on the hyposecretion of Parathyroid hormones.
2. Explain the Structure of Proteins. Add a note on Denaturation of Proteins.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe the cephalic phase of gastric secretion.
4. Explain the Exocrine functions of pancreas.
5. Enumerate the difference between liver and gall bladder bile.
6. Explain the follicular phase during the menstrual cycle.
7. What is Reflex? Classify Reflexes.
8. Define sleep and write about the physiological changes during sleep.
9. Describe the functions and deficiency manifestations of Vitamin D.

   Or

   Describe organ of corti

10. Explain the regulation of blood calcium level.
11. Explain Krebs Urea Cycle. What is the significance of Blood Urea Level?
12. What are Lipoproteins? Classify them and mention their functions.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Explain the functions of cerebellum.
14. What is the role of hypothalamus in circadian rhythm?
15. List the functions of sertoli cells.
16. What is Summation? Explain.

    Or

    Describe test buds with neat diagram

17. What is Menarche and Menopause?
18. What is Ovulation? How is it determined?
19. Write a note on Scurvy.
20. Write a note on Pellagra.
21. Write a note on Pernicious Anemia.

    Classify the carbohydrates with exemplas

22. What are Antivitamines?

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 26-Aug-2024

Time: Three Hours | Max. Marks: 100

Organon of Medicine, Principles of Homoeopathic Philosophy and Psychology (RS-3)

Q.P. CODE: 1424

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS **2 x 10 = 20 Marks**

1. Brief the Therapeutic law of nature
2. Brief the Pernicious blunders of the old school of medicine

SHORT ESSAYS **10 x 5 = 50 Marks**

3. Explain the preserver of health
4. Explain the significance of Aphorism 50
5. Explain deductive logic with examples
6. Explain "Mission" according to Hahnemann
7. Explain "Perception" according to Kent
8. Write a note on early life of Dr. Hahnemann
9. Explain the significance of Totality of symptoms
10. Explain "Double Complex diseases"
11. Explain "Ideal Cure" according to Hahnemann
12. Explain Antipathic modes of treatment

SHORT ANSWERS **10 x 3 = 30 Marks**

13. Write a note on Aude Sapere
14. Write a note on influx
15. Write a note on constitution
16. Define Conflict
17. Write a note on Prima causa Morbi
18. Write a note on Indisposition
19. Write a note on Temperament
20. List the contributions of J.T. Kent
21. Write a note on Doctrine of signature
22. Define Palliation

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 28-Aug-2024

[Time: 3 Hours] **[Max. Marks : 100]**

MATERIA MEDICA (RS-3)
QP Code: 1425

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. List the different Sources of Homoeopathic Materia Medica. Explain with Examples
2. Describe the mentals, characteristic, rectal and skin symptoms of Silicea.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe Respiratory Symptoms of Antim Tart.
4. Enumerate Rectal Symptoms of Nux. Vomica
5. Explain Gastric complaints of Ipecac
6. List Skin complaints of Calc. Sulph
7. Describe Respiratory complaints of Dulcamra
8. Enumerate Fever of Aconite
9. Explain a typical Aethusa Baby
10. Describe Theory of tissue salts
11. List different ways of studying Materia Medica explain
12. Define constitution. Explain its types.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Mention glandular affections of Calc. Flour
14. Mention Joint symptoms of Bryonia.
15. Explain child symptoms of Chamomilla.
16. Write indications of Ferrum phos.
17. Explain the rectal symptoms of Aloe Socotrina.
18. Enumerate the Nasal discharge of allium cepa.
19. Define Complementary remedy. Give example.
20. Define Materia Medica Pura and give examples.
21. Define Antidote. Give example.
22. Define doctrine of signature and give examples.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 12-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

HUMAN ANATOMY – PAPER-I (RS4 & RS5)
QP Code: 1451

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Describe parts, relation, blood supply, applied aspect of Pituitary gland.
2. Describe course, relation, branches, applied aspect of Ulnar artery.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe the process of mitosis.
4. Microscopic structure of cell
5. Classify fibrous joints.
6. Write features and clinical anatomy of Internal capsule.
7. Mention the derivatives of the germ layers of the embryonic disc.
8. Describe general features of Atlas.
9. Write course and branches of Facial artery.
10. Describe the typical cervical vertebra.
11. Describe the boundaries and contents of cubital fossa.
12. Write about origin, insertion, nerve supply and actions of deltoid muscle.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Name the appendages of the skin.
14. Define myotome.
15. Mention the functions of hypothalamus.
16. Mention three tracts in the white matter of spinal cord.
17. Mention the importance of substantia nigra.
18. Mention the parts of blastocyst.
19. Define corona radiata.
20. Name the cartilages of larynx.
21. Mention the contents of carotid sheath.
22. Name structures piercing Clavipectoral fascia.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 14-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

HUMAN ANATOMY – PAPER-II (RS4/RS5)
QP Code: 1452

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Describe the attachment, nerve supply of Typical Intercostal muscles.
2. Describe the parts, blood supply, nerve supply and applied anatomy of Gall Bladder.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe the features, relations, blood supply, venous drainage, applied anatomy of Urinary bladder.
4. Describe ligaments of Uterus.
5. Describe course, relation, termination, branches and applied anatomy of Femoral artery.
6. Describe origin, insertion, nerve supply and action of Adductor Magnus.
7. Histology of thin Skin.
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9. Describe the course, relation, termination and tributaries of Thoracic duct.
10. Describe attachments of Posterior Abdominal wall muscles.
11. Mention the blood supply of Pancreas.
12. Define the formation of Superior mesenteric vein.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Explain the Testicular artery.
14. Mention external genitals in Female.
15. Explain iliac crest.
16. Describe Peroneal Retinaculum.
17. Explain Hamstring muscles.
18. Explain Femoral canal.
19. Name the branches of Arch of Aorta.
20. Name the structures passing Through thoracic outlet.
21. Define Epiploic Foramen.
22. Describe Bare area of liver.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 17-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

PHYSIOLOGY AND BIOCHEMISTRY - PAPER-I (RS4 & RS5)
QP Code: 1453

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Classify Leukocytes. Describe the Leukocytes with the help of appropriate diagram.
2. Define arterial blood pressure. Explain the factors maintaining the Arterial blood pressure.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe the role of platelets in heamostasis.
4. Enumerate the factors maintaining the cardiac output.
5. Explain the changes during Acclimatisation on blood and respiratory system.
6. Describe in detail the lung volumes.
7. What is lung surfactant? Explain their functions.
8. Explain how sodium is reabsorbed in the renal tubules.
9. Explain the micturition reflex.
10. Explain in detail three factors affecting the body temperature.
11. What are the two types of sweat gland? Explain the secretory activity of Eccrine glands.
12. What is the role of ATP during skeletal muscle contraction?

SHORT ANSWERS **10 X 3 = 30 Marks**

13. What is pinocytosis? Explain the mechanisms involved in Pinocytosis.
14. How are the protein channels regulated?
15. Passive transport
16. Define Reticulo Endothelial system.
17. What is normal RBC count?
18. Define cardiac cycle.
19. What is the significance of residual volume?
20. Define vital capacity.
21. Define Nephron. Draw a neat-labeled diagram of nephron.
22. Define renal failure.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 20-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

PHYSIOLOGY AND BIOCHEMISTRY – PAPER-II (RS4 & RS5)
QP Code: 1454

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. State the Hormones secreted by thyroid gland. Explain their functions.
2. Define Carbohydrates. Classify Polysaccharides with suitable examples.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe the Digestion and absorption of Fats.
4. Explain deglutition reflex.
5. Name the bile salts. Explain functions of bile salts.
6. Explain the action of oral contraceptives.
7. Describe the connections and the functions of Limbic system.
8. Define Postural Reflex. Explain stretch reflex.
9. Describe the mechanism of Hearing.
10. Describe the features of Gigantism.
11. Name the Plasma Proteins. Explain the Functions of plasma protein.

    Or
    Explain glycogenesis

12. Explain structure of DNA.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Mention the types of waves recorded in EEG.
14. Define memory. Mention its types.
15. Define Blind spot. Write its significance.
16. Name the primary taste sensation.
17. Define safe period.
18. Write the function of thymus.
19. Mention the importance of dietary fibers.
20. Write the normal respiratory quotient of carbohydrates, fats and proteins.
21. Mention any three General properties of Enzymes.
22. Mention 3 functions of Albumin.
    Or
    Describe coris cycle

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 22-Aug-2024

[Time: 3 Hours] [Max. Marks: 100]

HOMEOPATHY PHARMACY (RS-3)

Q.P. CODE: 1401

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. List the vehicles used for potentisation & external application. Write the preparation of Sugar of milk.
2. Define drug proving & Pre-requisite of drug proving. How do you record the symptoms?

SHORT ESSAY **10 X 5 = 50 Marks**

3. What is the specialty & originality of Homoeopathic Pharmacy?
4. What is Active principle? Discuss with example.
5. Give a brief note on Ideal Homoeopathic Laboratory.
6. Explain about Organoleptic evaluation of drugs.
7. Mention different types of Pharmacopoeias with salient features.
8. Write the Advantages & Disadvantages of 50 millesimal potencies.
9. Define Fluxion potency. Explain about its preparation.
10. Write the differences between maceration & percolation.
11. Give a note on Glycerol preparation with its uses.
12. Explain Class IX method of drug preparation.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. What is Tincture-trituration?
14. Define Narcotic drugs with two examples.
15. Define Sublimation with two examples.
16. Define Pharmacomania.
17. Utility of Day book during drug proving
18. Mention the uses of crucible.
19. Define physiological dose.
20. Define straight potency.
21. Mention the source of Isin glass and its uses.
22. Define Doctrine of Signature with one example.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.H.M.S Degree Examination – 22-Aug-2024

Time: Three Hours **Max. Marks: 100 Marks**

HOMOEOPATHIC PHARMACY (RS-4 & RS-5)

QP Code: 1455

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY **2 X 10 = 20 Marks**

1. Define vehicle. Explain the preparation of sugar of milk its properties and uses.
2. Discuss the sources of homoeopathic drugs with two examples of each.

SHORT ESSAY **10 X 5 = 50 Marks**

3. Describe speciality and originality of homoeopathic pharmacy
4. Explain the different methods of dispensing of medicine.
5. Differentiate percolation and maceration.
6. List the vehicles used for external application with examples.
7. Explain microscopic evaluation and physical evaluation.
8. Explain recording of symptoms of drug proving.
9. Explain the parts of prescription writing.
10. Discuss various homoeopathic pharmacopoeias.
11. Explain briefly drug and cosmetic act 1940.
12. Explain repetition of doses.

SHORT ANSWERS **10 X 3 = 30 Marks**

13. Define pharmacy.
14. Define menstrum, merc, magma.
15. Define inimicals and antidotes
16. Name three instruments and its utility.
17. Discuss placebo.
18. Define Pharmacodynamics.
19. Explain Good manufacturing practices (GMP).
20. Define Day book.
21. Define Pharmaconomy.
22. Explain sources, properties and uses of glycerin.

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