

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B. Pharm Degree Examination – 18-Jun-2022

**Time: Three Hours****Max. Marks: 70 Marks****HUMAN ANATOMY AND PHYSIOLOGY (RS - 4)****Q.P. CODE: 2625**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

**LONG ESSAYS (Answer any Two)****2 x 10 = 20 Marks**

1. Explain the structure and functions of female reproductive organs.
2. Classify leucocytes with examples and explain the stages leucopoiesis.
3. Explain the anatomy of kidney and nephron and write the functions of kidney.

**SHORT ESSAYS (Answer any Six)****6 x 5 = 30 Marks**

4. Explain the transportation across the plasma membrane.
5. Classify blood vessels with examples. Explain the structural differences between artery and vein.
6. Explain the terms- hypoxia and resuscitation.
7. Explain the absorption of food in the small intestine.
8. Mention the hormones of pancreatic islets. Write the functions of each hormone.
9. Define- Glaucoma, Cataract, Conjunctivitis and Psoriasis & Tinnitus.
10. Write the structure and functions of skin.
11. Draw normal labeled ECG. Briefly explain each component of an ECG.

**SHORT ANSWERS****10 x 2 = 20 Marks**

12. Write the four differences between epithelial and connective tissues.
13. What are goblet cells?
14. Define- Rickets and Gout.
15. Define- Diarrhoea, Emesis.
16. Mention the bones of the vertebral column.
17. What are auditory ossicles?
18. Define Anaemia and list out its types.
19. Mention the movements of GIT.
20. Name the hormones secreted by the placenta.
21. Define active and passive transport.

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