

S.M

2851-2011-1

Rajiv Gandhi University of Health Sciences, Karnataka
1 Year Pharma-D Examination – Jan 2014

Time: Three Hours

Max. Marks: 70 Marks

HUMAN ANATOMY & PHYSIOLOGY

Q.P. CODE: 2851

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 how the digestion of carbohydrates, fats and proteins take place.
2. Describe transport of oxygen and carbon dioxide in blood.
3. Explain the internal anatomy and physiology of the heart with the help of neat labeled diagram.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain the neuromuscular junction with the help of neat labeled diagram.
5. Describe the structure and functions of spinal cord.
6. Describe nervous tissue.
7. Explain the regulation of respiration.
8. Define blood pressure. Write the factors that affect blood pressure.
9. Describe the outflow of parasympathetic system.
10. Write a neat diagram of skin and explain its functions.
11. Write a note on menstrual cycle.

SHORT ANSWERS

10 x 2 = 20 Marks

12. What is polycythemia?
13. Write the significance of heart beat.
14. Mention different types of WBC's and their functions.
15. What is reflex arc?
16. Write the endocrine functions of pancreas.
17. Write the structure and functions of Mitochondria.
18. Enlist the functions of liver.
19. What is tubectomy? How it is performed?
20. Mention the hormones of adrenal cortex.
21. Write the functions of medulla Oblongata.

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I Year Pharma-D Examination - Sep 2013

Time: Three Hours

Max. Marks: 70 Marks

HUMAN ANATOMY & PHYSIOLOGY

Q.P. CODE: 2851

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

2 x 10 = 20 Marks

LONG ESSAYS (Answer any Two)

1. What is cardiac cycle? Explain the various events takes place in cardiac cycle. Add a note on heart sound
2. Write the functions of blood. Explain the mechanism of coagulation of blood
3. Draw a neat labeled diagram of ear. Explain the physiology of hearing

6 x 5 = 30 Marks

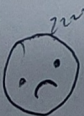
SHORT ESSAYS (Answer any Six)

4. Define the blood pressure. Discuss the regulation of BP
5. Classify WBC. Explain the microscopic structure and functions of WBC
6. Structure and functions of lymph node
7. Write the functions of hypothalamus
8. Explain ECG. Mention the significance of each wave
9. Give the functions of posterior pituitary gland hormone
10. Classify joints with examples
11. Explain the physiology of gastric acid secretion

10 x 2 = 20 Marks

SHORT ANSWERS

12. Enlist the cranial nerves
13. Draw a neat labeled diagram of nerve
14. Function of plasma membrane
15. What is Goiter? How do you treat goiter
16. What is renal clearance? Give its significance
17. Write the functions of pons
18. What is CSF? Give its functions
19. Name bones of cranium
20. Explain the role of corpus leutium
21. Define: Angina pectoris and Atherosclerosis



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