

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - DEC 2016

Time: Three Hours

Max. Marks: 100 Marks

Physiology – I (RS2 & RS3)

Q.P. CODE: 1077

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

LONG ESSAYS

2 x 10 = 20 Marks

1. Write the name of coagulation factors. Describe the extrinsic pathway with the help of a diagram. Add a note on hemophilia.
2. Describe the nervous regulation of respiration in an adult. Add a note on periodic breathing.

SHORT ESSAYS

10 x 5 = 50 Marks

3. T-lymphocyte
4. Physiologic basis for treatment of peptic ulcer
5. Digestion and absorption of fats
6. Types of jaundice with examples
7. Describe phases of Deglutition
8. Oxy-hemoglobin dissociation curve
9. Describe the properties of cardiac muscle.
10. Regulation of cerebral circulation
11. Triple response
12. Conducting system of the heart

SHORT ANSWERS

10 x 3 = 30 Marks

13. Intrinsic factor
14. PR interval
15. Diuretics
16. Suicidal bags of a cell
17. Intercellular communication
18. Peristalsis
19. Bohr effect
20. Name the methods of artificial respiration
21. Windkessel effect
22. What is the role of augmented limb leads?

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Physiology – Paper II (RS2 & RS3)

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Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Define myoneural junction. Describe the transmission of impulse from the nerve to the muscle with the help of a diagram. Write about the factors affecting transmission at myoneural junction.
2. What are steps in secretion of glucocorticoids? Write about the mechanism of action of glucocorticoids and about their functions. Add a note on Addison's disease.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Functions of hypothalamus
4. Describe the structure and functions of muscle spindle.
5. Regulation of secretion of Thyroid hormones
6. Spermatogenesis
7. Acromegaly
8. Pregnancy tests
9. Sources and actions of Glucagon
10. Dwarfism
11. Indicators of ovulation
12. Stages and features of Spinal shock

SHORT ANSWERS

10 x 3 = 30 Marks

13. Denervation hypersensitivity
14. Kernicterus
15. Actions of Aldosterone
16. Wallerian degeneration
17. Postural hypotension
18. "All or None" law
19. Synaptic delay
20. Bell magendie law
21. Presbycusis
22. Anovulatory cycles
