

Rajiv Gandhi University of Health Sciences, Karnataka

First Phase MBBS Degree Examination – AUG-2017

Time: Three Hours

Max. Marks: 100 Marks

PHYSIOLOGY-PAPER I (RS2 & RS3 SCHEME)

QP 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. Name the important plasma proteins & explain their functions.
2. Draw a labeled diagram of the conducting system of heart. Explain its importance

SHORT ESSAYS

10 x 5 = 50 Marks

3. Intercellular connections
4. Timed vital capacity and its clinical significance
5. Explain the pharyngeal phase of deglutition
6. Classify Hypoxia. Explain any two of them
7. Four functions of stomach
8. Jugular Venous Pulse (J.V.P)
9. Chloride shift
10. Saliva
11. Peculiarities of cerebral circulation
12. Acidification of urine

SHORT ANSWERS

10 x 3 = 30 Marks

13. Explain exocytosis and endocytosis with an example for each
14. Resting membrane potential
15. Central cyanosis
16. Cystometrogram
17. List the factors influencing glomerular filtration rate
18. Enumerate any two functions of juxtra glomerular apparatus
19. Explain facilitated diffusion with an example
20. Functions of T-Lymphocyte
21. Functions of thrombocytes
22. P – R interval in ECG

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MBBS Phase – I Degree Examination - AUG-2017

Time: Three Hours

Max. Marks: 100 Marks

Physiology – Paper II (RS2 & RS3)

Q.P. CODE: 1078

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Describe any four functions of hypothalamus. Add a note on anorexia nervosa and hypothalamic obesity.
2. Describe the endometrial changes during a normal menstrual cycle. Explain the role of different hormone in each phase. Add a note on tests for ovulation.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Accommodation reflex
4. Aqueous humor
5. Dark adaptation
6. Complete transection of the spinal cord
7. Differences between UMN and LMN lesions
8. Functions of Oxytocin
9. Functions of cortisol
10. Functions of growth hormone
11. Neuromuscular blocking agents
12. Isotonic and isometric contraction in skeletal muscle

SHORT ANSWERS

10 x 3 = 30 Marks

13. List the hormones of placenta.
14. What is a Motor unit?
15. Mechanisms of heat loss
16. Define chronaxie and rheobase.
17. What is Endocochlear potentials?
18. List the Thyroid function tests.
19. What is Inverse-stretch reflex?
20. List the functions of Aldosterone.
21. List the Endocrine functions of testis.
22. What is Addison's disease?
