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Q.P Code-103

Sri Devaraj Urs Academy of Higher Education & Research

M.B.B.S. PHASE - I Degree Examination - July 2008

Time : 3 Hrs.

[Max. Marks : 100]

PHYSIOLOGY - Paper I

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Define G.F.R. Describe in detail the factors affecting Glomerular filtration.
2. Describe in detail the various phase of Gastric juice secretion.

SHORT ESSAY

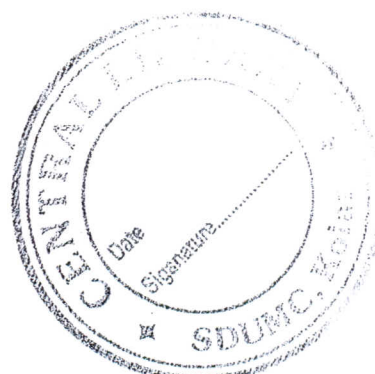
10 X 5 = 50 Marks

3. Cardiac Reserve
- ④. Achalasia Cardia
5. Defecation Reflex
6. Mention the various forms in which CO_2 is carried in the Blood and the amount carried in each form.
7. Special features of pulmonary circulation.
- ⑧. Cardiac Catheterisation.
9. Auto immunity
10. End Diastolic volume
11. Factors Affecting Erythropoiesis
12. Baroreceptor reflex

SHORT ANSWERS

10 X 3 = 30 Marks

13. Primary Active Transport
 14. Jugular Venous Pulse
 15. Diuretics and their mechanism of action
 16. Functions of Eosinophil
 17. P-R Interval
 18. Anaemic Hypoxia
 19. Bleeding Disorders
 20. Oxygen Therapy
 21. Megaloblastic Anaemia
 22. Cyanosis
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Time : 3 Hrs.

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PHYSIOLOGY - Paper II

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 synthesis, storage and functions of posterior pituitary hormones. What is milk ejection reflex?
2. Explain the anatomical location and functions of Reticular formation. What is startle reaction?

SHORT ESSAY

10 X 5 = 50 Marks

3. Hypothalamo Hypophysial axis.
4. Thyrocalcitonin.
5. Excitation – Contraction – Coupling in skeletal muscle fibre.
6. Trace the pathway of pain and what neurotransmitter is secreted.
7. Papez Circuit and what is its importance.
8. Accommodation reflex for near vision.
9. Tympanic reflex.
10. Stages of non-REM sleep and in what stage Delta Waves are demonstrated.
11. Retrograde degeneration of nerve fibre.
12. Pathway of light reflex. What is consensual light reflex?

SHORT ANSWERS

10 X 3 = 30 Marks

13. Sertoli cells.
14. Significance of Alpha Rhythm in E.E.G.
15. Dorsal white column tracts of spinal cord.
16. Effects of glucagon on Blood Glucose level.
17. Differences between Thyroid Cretin and pituitary dwarfism.
18. Heat Rigor.
19. Transneuronal degeneration.
20. Cushing's syndrome.
21. Calcium Rigor.
22. Chronaxie and Rheobase.

