

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

M.B.B.S. PHASE - I Degree Examination - January-2011

Time : 3 Hrs.

[Max. Marks : 100]

PHYSIOLOGY - Paper I

Q.P Code : 103 - SDUU

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

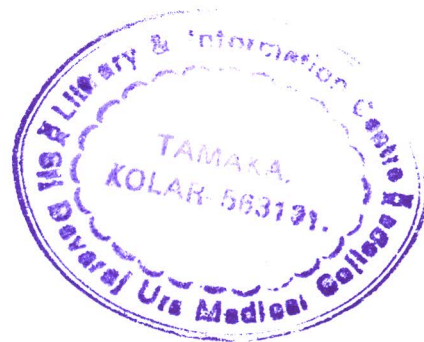
2 X 10 = 20 Marks

1. What are baroreceptors ? Explain the response of baroreceptors to change in arterial pressure
2. Describe the role of loop of Henle with the ascending and descending limb in the concentration of urine?

SHORT ESSAY

10 X 5 = 50 Marks

3. Renal dialysis
4. Juxta glomerular apparatus
5. Cough reflex
6. Lung surfactant and its applied aspects
7. Physiological jaundice
8. Second stage of deglutition
9. Gibbs Donnan membrane Equilibrium
10. Intercellular connections
11. Oxygen therapy
12. Role of renin in hypertension



SHORT ANSWERS

10 X 3 = 30 Marks

13. Na^+ , K^+ Pump
14. Hering Breuer reflexes
15. Pacemaker potential
16. Poiseuille's Hagen formula
17. Abnormal Haemoglobins
18. Functions of saliva
19. Fick's principle and its application
20. Haemophilia
21. Alkaline tide
22. Hormones of pancreas

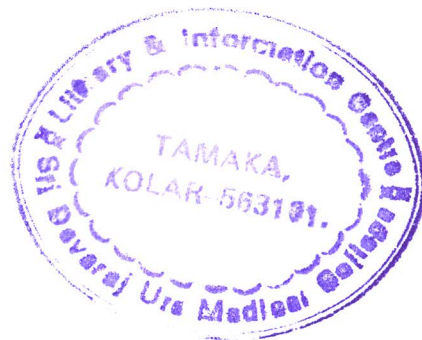
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SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**(A DEEMED TO BE UNIVERSITY)****M.B.B.S. PHASE - I Degree Examination – January-2011****Time : 3 Hrs.****[Max. Marks : 100]****PHYSIOLOGY - Paper II****Q.P Code : 104 - SDUU***Your answers should be specific to the questions asked.**Draw neat labeled diagrams wherever necessary.***LONG ESSAY****2 X 10 = 20 Marks**

1. Describe the origin, course and termination of corticospinal tract. Mention the effects produced due to lesion of this tract at the level of internal capsule.
2. Describe the hormonal control of the menstrual cycle. Add a note on intrauterine contraceptive devices.

SHORT ESSAY**10 X 5 = 50 Marks**

3. Wallerian degeneration
4. Clinical uses of neuromuscular blocking agents
5. Physiology of growth
6. Refractive errors
7. Organ of corti
8. Central analgesic system
9. Physiological actions of insulin
10. Functions of hypothalamus
11. Taste pathway
12. Muscle proteins

**SHORT ANSWERS****10 X 3 = 30 Marks**

13. Neuroendocrine reflex
14. Stereognosis
15. Cryptorchidism
16. Adrenal virilism
17. Broca's area
18. Retrograde amnesia
19. Calcitriol
20. Somatomedin
21. Night blindness
22. Functions of skin