



PAPER CODE: MB2019105

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

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First Year M.B.B.S. (NEW REGULATION) DEGREE EXAMINATION:

MARCH/APRIL 2021

PHYSIOLOGY PAPER-I

Time: 3 Hours

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write essay on the following:

2X15=30

1. A 64 year male patient has fatigue, hypotension, thready pulse and breathlessness. Investigations show low Cardiac output. (3+7+5)

a) What is Normal Cardiac output and define cardiac output.

b) Factors influencing Cardiac output

c) Methods of estimation of Cardiac output.

2. A 40 year old female is having difficulty in taking breath. Describe chemical & neural regulation of respiration

Write short essay on the following:

8X5=40

3. Erythropoiesis

4. Coronary circulation - Factors determining coronary circulation

5. Enterohepatic circulation

6. Composition and function of pancreatic juice.

7. Transport of Oxygen in blood.



8. Describe the importance of Empathy in patient encounter

9. Draw and explain Cystometrogram

10. Movements of small intestine

Write briefly on the following:

10X3=30

11. Primary active transport.

12. Role of eosinophils in allergic reactions

13. Erythroblastosis foetalis.

14. Write a note on innervation and functions of sweat gland.

15. Glucose absorption in renal tubule.

16. Surfactant - Physiological significance

17. SCUBA apparatus.

18. ADH action on renal tubule.

19. Vomiting reflex

20. Extrinsic mechanism of blood coagulation
