

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

B.Sc. (PHYSICIAN ASSISTANT) DEGREE EXAMINATION

March 2019

First Year

PHYSIOLOGY

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following:

(1 x 20 = 20)

1. Explain the phases of cardiac cycle.
2. Define blood pressure. Explain the short term regulation of blood pressure.

II. Write short notes on any TWO of the following:

(2 x 10 = 20)

3. Define GFR. Explain the factors regulating GFR.
4. Transport of oxygen.
5. Define and classification of synapse.
6. Explain formation, morphology and life span of erythrocyte.

III. Write short answers on any SEVEN of the following:

(7 x 5 = 35)

7. Active transport.
8. Plasma proteins and its function.
9. Explain neuromuscular junction with neat diagram.
10. Composition and function of saliva.
11. Micturition reflex.
12. Draw an ECG and explain physiological basics.
13. Name the hormone released from anterior pituitary gland.
14. Ovulations.
15. Define hypoxia and its types.
16. Trace visual pathway.
