

Sl.No.M21121

Course Code:

3010102/3020102/3210102/3220102/
3230102/3240102/3250102/3260102/
2610103

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

B.Sc. (ALLIED HEALTH SCIENCES) DEGREE EXAMINATION
March 2019
First Year
(Common to All)

PHYSIOLOGY

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

1. Define cardiac output, stroke volume. Explain the regulation of cardiac output.
2. Define erythropoiesis. Stages of erythropoiesis. Explain regulation of erythropoiesis.

II. Write short essays on any TWO of the following: (2 x 10 = 20)

3. Define GFR. Explain the factors regulating GFR.
4. Explain phases of cardiac cycle.
5. Neural regulation of respiration.
6. Formation and functions of CSF.

III. Write short answers on any SEVEN of the following: (7 x 5 = 35)

7. Composition and functions of blood.
8. Classify white blood cells and its normal value.
9. Explain neuromuscular junction with neat diagram.
10. Functions of liver.
11. Micturition reflex.
12. Draw an ECG. Explain physiological basics.
13. Functions of thyroxine hormone.
14. Contraceptive method.
15. Define hypoxia and its types.
16. Functions of hypothalamus.
