

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

**B.SC (ALLIED HEALTH SCIENCES) & M. Sc (Integrated Programs in
Cardiac Technology) DEGREE EXAMINATION - September 2021**
First Year

PHYSIOLOGY
(Common to All)

Time: Three hours

Maximum: 75 marks

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

1. Explain the mechanism of muscle contraction add a note on myasthenia gravis.
2. Explain about the secretion and functions of thyroid hormone. Add a note on hyperthyroidism.

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

3. Neural regulation of respiration.
4. Factors regulating cardiac output
5. Name the salivary gland. Write the functions of saliva.
6. Juxta glomerular apparatus.

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

7. Dead space
8. Pancreatic juice
9. Electrocardiogram
10. Hypoxia
11. Anticoagulants
12. Spermatogenesis
13. Erythroblastosis fetalis
14. Micturition
15. Functions of liver
16. Functions of hypothalamus.