

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

B.Sc. (NURSING) DEGREE EXAMINATION – February 2020
First Year

ANATOMY AND PHYSIOLOGY

Time: Three hours

Maximum: 75 marks

Answer Part A and Part B in separate Answer Book

PART – A

ANATOMY **Maximum: 37 marks**

SECTION – A

I. Answer **All** Questions. Each answer in one or two sentences: (7 x 1 = 7)

1. Types of tissues.
2. Define motor unit.
3. Neuroglia.
4. Nerve supply to diaphragm.
5. Name the carpal bones.
6. Types of taste senses.
7. Name the hormones of pituitary gland.

SECTION – B

II. Write Short Notes on any **THREE** of the following: (3 x 5 = 15)

8. Ligaments of shoulder joint.
9. Coronary circulation.
10. Ureters.
11. Structure of small intestine.
12. Fallopian tube.

SECTION – C

III. Answer any **Two** of the following: (2 x 7 ½ = 15)

13. Define joint and explain in detail about the classifications of joints.
14. Menstrual cycle.
15. Write in detail about thyroid gland and the hormones secreted by it.
16. Describe the lung under the following headings.
 - a) Structure
 - b) Relations
 - c) Blood supply
 - d) Applied anatomy

(p.t.o)

--(2)--

PART – B

PHYSIOLOGY

Maximum: 38 marks

SECTION – A

I. Answer **All** Questions. Each answer in one or two sentences: (8 x 1 = 8)

1. What is normal ESR rate?
2. List any two anterior pituitary hormones.
3. Any two functions of thalamus.
4. Define pain.
5. Name the salivary glands.
6. Define cardiac output.
7. Any two functions of liver.
8. Deglutition.

SECTION – B

II. Write short notes on any **THREE** of the following: (3 x 5 = 15)

9. Cerebrospinal fluid.
10. Neuromuscular junction.
11. Uterus.
12. Oxygen dissociation curve.
13. Properties of nerve fibers.

SECTION – C

III. Answer any **TWO** of the following: (2 x 7 ½ = 15)

14. Stages of urine formation.
15. Functions of small intestine.
16. Define immunity and explain the types of immunity.
17. Explain the changes that occur during muscle contraction.

(Sl.No.M22050)