

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

B.Sc. (NURSING) DEGREE EXAMINATION – August 2021

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. Write the major openings of diaphragm.
2. Name the layers of adrenal cortex.
3. Name the muscles used for intramuscular injection.
4. Write any two connective tissue cells.
5. Name the ossicle present in the inner ear.
6. What do you mean by median cubital vein.
7. Enlist the types of cartilage.

SECTION – B

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

8. Stomach – Parts, Surfaces, Muscles, Nerve, Supply.
9. Pleural layer.
10. Draw and label the meninges.
11. Thyroid gland.
12. Deltoid Muscles.

SECTION – C

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

13. Enumerate the parts of cardiac system and write in detail about heart.
14. Describe the endocrine gland.
15. Enumerate the parts of male reproductive organ and write in detail about testis.
16. Explain the erythropoiesis.

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PART – B

PHYSIOLOGY

Maximum: 38 marks

SECTION – A

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

1. Define Pulse.
2. List out the types of WBC.
3. Mention the two functions of Skin.
4. Name the two contractile proteins.
5. What do you mean by reflex action?
6. Enlist the functions of hydrochloric acid in stomach.
7. Write the two functions of cerebellum.
8. Mention the four function of Kidney.

SECTION – B

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

9. Enumerate the functions of Liver.
10. Describe the conductive system of the Heart.
11. Functions of Placenta.
12. Bone Marrow Function.
13. Spermatogenesis.

SECTION – C

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

14. Define Immunity. How do you classify Immunity? Add a note on the various functions of T lymphocytes and B lymphocytes.
15. Physiology of Respiration.
16. Functions of Pituitary Gland.
17. Spinal cord and its function.

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