



HAT-21261

Seat No. _____

First Year B. Sc. Basic (Nursing) Examination

July - 2017

Anatomy & Physiology

Time : Hours]

[Total Marks : 75

Instructions :

1. Answers should be brief and to the point.
2. Illustrate answers with suitable diagrams.
3. Figures to the right indicate full marks.
4. Write each section in separate answer book.

SECTION - I

1 What is cell ? Describe the parts in detail. **15**

OR

1 Describe the organs of Respiratory system. **15**

2 Write short notes : (any three) **3×5=15**

- a) Neuron.
- b) Female reproductive system
- c) Synovial Joint.
- d) Functions of Spleen.
- e) Mention the type of muscles and their functions.

3 Answer briefly : (any four) **4×2=8**

- a) What is long bone ? Give two examples.
- b) What is Lumbar puncture ?
- c) Name the accessory digestive organs.
- d) Enumerate the organs of urinary system.
- e) Functions of Testis.
- f) Difference between artery and vein.

SECTION - II

1 Describe in detail : (any **one**) **10**

- 1) Oxygen and carbon dioxide transport in the blood
- 2) Hemostasis.

- 2** Write short notes on : (any **three**) **15**
- 1) Cardiac cycle
 - 2) Functions of bile
 - 3) Juxtaglomerular apparatus
 - 4) Reflex action.
- 3** Answer in brief : (all are compulsory) **12**
- 1) What is Myxoedema ?
 - 2) Define blood pressure and name the mechanism for its regulation.
 - 3) What is myopia ? How is it corrected ?
 - 4) Define ovulation and its significance.
 - 5) What is GFR ? Give its normal value.
 - 6) Define vital capacity and give its normal value.
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