



**NC-1806000601010001**

**First Year Basic B. Sc. (Nursing) Examination**

**December - 2021**

**Anatomy & Physiology**

Time : 3 Hours]

[Total Marks : 75

**Instructions :**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book. Name of the Examination : <div style="border: 1px solid black; padding: 2px;">First Year Basic B. Sc. (Nursing)</div> Name of the Subject : <div style="border: 1px solid black; padding: 2px;">Anatomy &amp; Physiology</div> Subject Code No. : <span style="float: right;">Section No. (1, 2,.....) : Nil</span> <div style="border: 1px solid black; padding: 2px;">1 8 0 6 0 0 0 6 0 1 0 1 0 0 0 1</div>	Seat No. : <div style="border: 1px solid black; width: 100px; height: 30px; margin: 5px 0;"></div> <div style="border: 1px solid black; width: 100px; height: 80px; margin: 5px 0;"></div> <p style="text-align: center; margin-top: 10px;">Student's Signature</p>
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(2) All the questions are compulsory.

(3) Draw the diagram where ever is needed.

**SECTION-1 (37 MARKS)**

- 1 Write any two in details. 8×2=16
  - (a) List out the organs of digestive system. Describe (2+2+4=8) the anatomy of the stomach with suitable labeled diagram.
  - (b) Draw a labeled diagram of Uterus & explain (3+5=8) structure of uterus in brief.
  - (c) Explain the property of cell in brief with suitable (3+5=8) labeled diagram.
  
- 2 (A) Write Short notes : (Any three) 15
  - (a) Structure of Heart.
  - (b) Briefly discuss Adrenalin gland.
  - (c) Structure of Spinal cord.
  - (d) Components of blood.
  - (e) Cell division.

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|---|---|
| (B) Do as directed.                                     | 6 |
| (a) Define cardiac cycle.                               | 1 |
| (b) Name the largest organ of the body.                 | 1 |
| (c) Name the cell which never regenerates after injury. | 1 |
| (d) Name the gland that produces melatonin.             | 1 |
| (e) Any two differences between artery & vein.          | 2 |

### SECTION-11 (38 Marks)

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|-------|---|--------|
| 1     | Write in details (Any <b>three</b> )                      | 7×3=21 |
|       | (a) Explain the process of bone healing.                  |        |
|       | (b) Digestion & absorption of protein.                    |        |
|       | (c) Physiology of Respiration.                            |        |
|       | (d) Spleen.   |        |
| <br>2 | <br>(A) Write Short notes : (Any <b>two</b> )             | <br>10 |
|       | (a) Testes.   |        |
|       | (b) Function of skin.                                     |        |
|       | (c) Functions of blood.                                   |        |
|       | <br>(B) Do as directed.                                   | <br>7  |
|       | (a) Define Anatomy.                                       | 1      |
|       | (b) List out any two accessory organ of digestive system. | 1      |
|       | (c) List out any two organ of lymphatic system.           | 1      |
|       | (d) Write the main function of Insulin.                   | 1      |
|       | (e) Define Diffusion.                                     | 1      |
|       | (f) Write the function of capillaries.                    | 1      |
|       | (g) Define Cardiac Output.                                | 1      |