



**BRAINWARE UNIVERSITY**  
**Term End Annual Examination 2021 – 22**  
**Programme – Bachelor of Science in Nursing**  
**Course Name – Anatomy and Physiology**  
**Course Code – BNS101**  
**(Year – I)**

**Time allotted: 3 hrs.**

**Full Marks: 75**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable. Write answer of Section – A and Section –B in separate Answer booklet.]

**Section – A**

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|--|-------------------|
| <b>1. Write short answer on any <i>three</i> of the following:</b> | <b>5 x 3 = 15</b> |
| (I) Pituitary Gland  | [5]               |
| (II) Spinal Cord   | [5]               |
| (III) Gall Bladder   | [5]               |
| (IV) Cervix  | [5]               |
| (V) Meninges   | [5]               |
| <b>2. Write the answer of the following:</b>                       | <b>10 x 1=10</b>  |
| a) List the organs of respiratory system.                          | [2]               |
| b) Describe lungs under following headings                         | [2+3+3]           |
| i) Location  |                   |
| ii) Lobes  |                   |
| iii) Tracheo bronchial tree  |                   |
| <b>3. Write the answer of the following (any <i>one</i>):</b>      | <b>12 x 1= 12</b> |
| (I) a. Name the different parts of the brain.                      | [2]               |
| b. Describe the cerebrum.  | [6]               |
| c. Ventricles of the brain.  | [4]               |
| (II) a. Write the composition of blood.                            | [5]               |
| b. Describe White Blood cell                                       | [7]               |

**Section –B**

- 4. Write short answer on any *three* of the following:** **5 x 3 = 15**
- (I) Factors regulating Blood pressure [5]
  - (II) Reflex arc [5]
  - (III) Regulation of body temperature [5]
  - (IV) Digestion of carbohydrate [5]
  - (V) Corpus Luteum [5]
- 5. Write long answer on any *one* of the following:** **11 x 1 = 11**
- (I) a) a) List down the composition of Saliva [3]  
b) Explain the functions of stomach. [4]  
c) Enumerate mechanisms of gastric secretion [4]
  - (II) a) What is anaemia ? [2]  
b) Classify anaemia. [6]  
b) Describe nutritional anaemia. [3]
- 6. Write long answer of the following:** **1x12=12**
- (I) a) Name the cranial nerves. [6]  
b) Write the functions of different cranial nerves. [6]
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