

Roll No. _____

WEST BENGAL NURSING COUNCIL

1st Year General Nursing & Midwifery (3 Years) Examination
December, 2025

Subject – Bio-Science (Paper- I)

OBJECTIVE

Full Marks – 20

Time Allowed – 20 Minutes

Answer on this sheet only.

1. Fill in the blanks: 1×5=5

- (a) Covering of the brain is called _____.
- (b) Nose is lined with _____ columnar epithelium.
- (c) Hot air oven is used for sterilizing _____ materials.
- (d) The life span of RBC is _____ days.
- (e) The longest & heaviest bone in the body is _____.

2. Write 'True' or 'False' against the following statements: 1×5=5

- (a) Tuberculosis is caused by Mycobacterium Leprae. ()
- (b) The end product of protein synthesis is called amino acid. ()
- (c) The functional unit of kidney is known as Neuron. ()
- (d) Pulmonary artery carries oxygenated blood. ()
- (e) Mitochondria is known as power house of cell. ()

3. Match the column 'A' with column 'B': 1×10=10

Column-A

- (a) Red & cone cell
- (b) Thrush
- (c) Spleen
- (d) Clavicle
- (e) Circles of Willis
- (f) Trachea
- (g) First cranial nerve
- (h) Uterus
- (i) Hepatitis
- (j) Universal Recipients

Column-B

- (i) Brain
- (ii) Female reproductive organ
- (iii) Wind pipe
- (iv) Blood Group AB
- (v) Liver
- (vi) Sense of smell
- (vii) Fungi
- (viii) Retina
- (ix) Collar bone
- (x) Destruction of RBC
- (xi) Blood group A

WEST BENGAL NURSING COUNCIL
1st Year General Nursing & Midwifery (3 Years) Examination
December, 2025

Subject – Bio-Science (Paper- I)

SUBJECTIVE

Full Marks – 75

Time Allowed – 3 Hours

Answer the following questions.

4. (a) Enlist the organs of Respiratory System.
(b) Describe the structure of lungs with diagram.
(c) Explain the mechanism of respiration. $3+7+5=15$

Or,

(a) Describe the structure of liver with diagram.
(b) State the functions of liver.
(c) Explain the digestion of protein. $7+4+4=15$

5. (a) Describe the structure of Neuron with diagram.
(b) Write down the names of different cranial nerves. $9+6=15$

6. (a) Define Immunity.
(b) Write down the classification of immunity with examples of each. $2+8=10$

7. Write short notes of the following (any three) : $5\times3=15$

(a) Synovial Joint
(b) Functions of skin
(c) Physiology of vision
(d) Collection of specimen
(e) Cardiac Cycle