



ARKA JAIN
University
Jharkhand

SCHOOL OF NURSING

1ST INTERNAL EXAMINATION

COURSE - GNM

TIME – 2 HOURS

**SUBJECT –BIO SCIENCE (ANATOMY AND
PHYSIOLOGY + MICROBIOLOGY)**

TOTAL MARKS -50

Instructions to the Candidates:

- Read the question paper very carefully.
- Start writing from 2nd page onwards; **don't write on the 1st Page Backside.**
- Do not write anything except your Roll No. on the question paper.

Possession of **Mobile Phones** or any kind of **Written Material, Arguments with the Invigilator or Discussing with Co-Student** will come under **Unfair Means** and will **Result** in the

Cancellation of the Paper

**ALL THE QUESTIONS ARE TO BE ANSWERED
MANDATORY**

Q1. Long Questions. (5+5+5= 15)

a. Draw the Diagram of Heart.

b. Draw the Schematic Diagram of the Heart and Explain the Circulation of blood.

c. Explain about the bacterial growth Curve.

Q2. Short Questions.
(2x10=20)

- I. Define Microbiology.
- II. Enlist the classification of micro-organism.
- III. Discuss about the Rickettsia.
- IV. Write the function of the heart.
- V. Write the levels of structural complexity.
- VI. Write the process of Blood Clotting.
- VII. What are cells? Enlist the Organelles.
- VIII. Write the function of the Blood.
- IX. Difference between Prokaryotic cell and Eukaryotic cell.
- X. How many cavities are there in the human body?

Q3. True and False
(1x5=5)

- a. Heart has six chambers.
- b. Right atrium is consist with the deoxygenated blood.
- c. Tricuspid valve is between left atrium and left ventricle.
- d. Aorta is the largest artery in the body.
- e. Pulmonary vein supply blood to all over the body.

Q4. Fill in the blanks.

(1x5=5)

- a. PH of the blood is _____
- b. Cells are the _____ &
_____ units of the body.
- c. Microbiology is derived from _____ word.
- d. Study of bacteriology is termed as _____
- e. Prokaryotic cell are _____

Q5. Match the following.
(1x5=5)

- | | | |
|------|----------------------|----|
| i. | Plasma Protein | a. |
| | Skin | |
| ii. | Blood | b. |
| | Platelets | |
| iii. | Adipose Tissue | c. |
| | Connective Tissue | |
| i. | Integumentary system | d. |
| | fat cells | |
| ii. | Thrombocytes | e. |
| | Globulins | |

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