

Q-4 Very Short type Question: - (ANY TWO)

(2x3=6)

- a) Neuron.
- b) Fallopiian Tube.
- c) Reflex Arc
- d) GFR (Glomerular filtration Rate)



ARKA JAIN
University
Jharkhand



End Semester University Examination –June, 2025

Subject: Applied Anatomy & Applied Physiology

Program: B. Sc. Nursing

Full Marks: 75

Semester: I

Time: 3 Hours

Instructions to the Candidates:

- Read the question paper very carefully.
- Start writing from 2nd page onwards; don't write on the 1st Page Backside.
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SECTION – A (APPLIED ANATOMY)

[Total marks-37]

Q-1. Multiple Choice Question: -

(6x1=6)

- i. Which of the following is the functional unit of the kidney?
a. Nephron
b. Glomerulus
c. Ureter
d. Bowman's capsule
- ii. The part of the brain responsible for balance and coordination is:
a. Cerebrum
b. Cerebellum
c. Medulla
d. Hypothalamus
- iii. Normal range of haemoglobin in adult females is:
a. 9-11 g/dl
b. 12-16 g/dL
c. 14-18 g/dl
d. 10-13 g/dL
- iv. The pacemaker of the heart is the:
a. AV node
b. SA node
c. Purkinje fibres
d. Bundle of His

v. The primary male sex organ is the:

- a. Penis
- b. Scrotum
- c. Testes
- d. Urethra

vi. Which of the following terms refers to a position closer to the midline of the body?

- a. Lateral
- b. Medial
- c. Proximal
- d. Distal

Q-2 Essay type Question: - (ANY ONE) (1x10=10)

- a. Describe the structure of the brain and explain its Parts with a labelled diagram.
- b. Describe the gross anatomy of the kidney with a labelled diagram.

Q.3) Write short notes on :- (ANY THREE) (3x5=15)

- a. Write the Composition of blood.
- b. Draw a diagram of Brain and list down the parts of brain?
- c. Define the structure of Internal Male Reproductive organ.
- d. What is conduction of Heart?

Q-4) Write very short notes on: - (ANY TWO) (2x3=6)

- a. Cranial Nerves
- b. Muscle Tissue
- c. Mitochondria
- d. Meninges

SECTION - B (APPLIED PHYSIOLOGY) [Total Marks-38]

Q-1. Multiple Choice Question: - (7x1=7)

- i. Which of the following bones is part of the axial skeleton?
 - a. Femur
 - b. Humerus
 - c. Sternum
 - d. Pelvis
- ii. Which chamber of the heart receives oxygenated blood from the lungs?
 - a. Right atrium
 - b. Right ventricle

- c. Left atrium
- d. Left ventricle

iii. Which vitamin is essential for calcium absorption?

- a. Vitamin A
- b. Vitamin B12
- c. Vitamin C
- d. Vitamin D

iv. Which plane divides the body into left and right portions?

- a. Sagittal
- b. Coronal
- c. Transverse
- d. Oblique

v. The primary function of the nephron is:

- a. Protein synthesis
- b. Filtration of blood
- c. Secretion of insulin
- d. Storage of urine

vi. Haemoglobin in red blood cells helps in:

- a. Clotting
- b. Fighting infection
- c. Oxygen transport
- d. Hormone production

vii. Blood pressure is highest in the:

- a. Capillaries
- b. Veins
- c. Arteries
- d. Venules

Q-2 Essay type Question: - (ANY ONE) (1x10=10)

- a) Define menstrual cycle. Write briefly about phases of menstrual cycle (OR)
- b) Define various types of Chambers of heart. Explain the circulation of blood into the heart with label diagram.

Q-3 Short type Question: - (ANY THREE) (3x5=15)

- a) Function of Internal Female Reproductive organ.
- b) Function of saliva
- c) Thyroid and parathyroid Gland.
- d) What is Process of digestion and types of digestion?

Q-3 Short type Question: - (ANY THREE)

(3x5=15)

- a) Discuss Genetics and behaviour
- b) Describe principle of perception
- c) Classify types of Personality
- d) Justify Significance of psychology in nursing

Q -4 Very Short type Question: - (ANY TWO)

(2x3=6)

- a) What is intelligence Quotient (IQ)?
- b) State role of nurse in reducing frustration
- c) What is Flashbulb Memory?
- d) Meaning of Illusion



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SECTION - A (Applied Sociology)

[Total Marks-37]

Q-1. Multiple Choice Question: -

(6x1=6)

i. After marriage if the wife resides in her husband's house, descent and property is traced through male side, the system is known as:

- a) Matriarchal family
- b) Orientation family
- c) Patriarchal family
- d) Joint Family

ii. Which of the following statements regarding folkways is not true?

- a) Folkways are habits of an individual
- b) Folkways are traditions
- c) Folkways result from frequent repetition of acts
- d) Folkways are customs

iii. A Man working as a car mechanics quits his job to become a bus driver making about the same income in another city. What best describe the movement in social class of this man?

- a) Urban mobility
- b) Social mobility
- c) Vertical mobility
- d) Horizontal mobility

iv. Ways to encourage conformity to society's norms is:

- a) Social sanctions
- b) Social system
- c) Social control
- d) Social structures

v. Which is an example of vertical social group?

- a) Nurses' group
- b) Engineers' group
- c) Religious group
- d) Peer group

vi. Find the Incorrect match:

- a) Lapiere - society is the total heritage of folkways, institutions, habits etc.
- b) Cooley- functional view of society
- c) Gidding- structural view of society
- d) Maclver- society is a web of social relationship

Q-2 Essay type Question: - (ANY ONE) (1x10=10)

a) Define social stratification. Explain characteristics of social stratification. Describe Function of social stratification.

b) Define caste system. State the characteristics of caste system. Discuss the Positive and Negative impact of caste in society.

Q-3) Write short notes on :- (ANY THREE) (3x5=15)

- a) Justify the Significance of sociology in Nursing
- b) Explain Agencies of Socialization
- c) Discuss types of social problems in India
- d) Describe various function of family

Q-4) Write very short notes on: - (ANY TWO) (2x3=6)

- a) Meaning of vulnerable group
- b) Define Institution
- c) What is transcultural society?
- d) Meaning of Culture

SECTION - B (Applied Psychology) [Total Marks-38]

Q-1. Multiple Choice Question: -

(7x1=7)

i. An unconscious psychological mechanism that reduce anxiety arising from unacceptable or potentially harmful stimuli is called as:

- a) Ego centralism
- b) Homeostasis
- c) Defence mechanism
- d) Intrinsic mechanism

ii. Psychologist understand the patient's personality through his thoughts, beliefs and their impact on his behaviour in certain situation. This is known as the approach.

- a) Cognitive
- b) Trait
- c) Psychoanalytic
- d) Humanistic

iii. The process of organization identification and interpretation of sensory stimulus is called:

- a) Learning
- b) Attention
- c) Memory
- d) Perception

iv. Choose the correct way of building relationship with patient

- 1. Introducing yourself
- 2. Being honest
- 3. Open communication
- 4. Listening
- 5. Showing respect
- 6. Comforting

- a) a, d, e, f, b, c
- b) a, b, c, d, e, f
- c) a, d, b, e, c, f
- d) a, c, d, b, e, f

v. Which is not a method of psychology?

- a) Observation method
- b) Introspection method
- c) Learning method
- d) Testing method

vi. Which is the first cognitive step on learning?

- a) Encoding
- b) Memory
- c) Retrieval
- d) Attention

vii. Id is

- a) Pleasure seeking principle
- b) Reality principle
- c) Morality principle
- d) Multiple task principle

Q-2 Essay type Question: - (ANY ONE) (1x10=10)

- a) What is motive? Classify different motives. Describe in detail the physiological motives.
- b) Define Mental Health. Enumerate the Characteristic of Mentally health person. Describe the Warning Signs of poor mental health.