

Printing Pages : 2

Paper Code : ANAT--105 & PHYS-110

B (SVSU:2022-23/R)

Enrollment No.

B.Sc(Nursing) 1st Year- I Semester

Program: B.Sc(N)

Subject Name : Applied Anatomy & Applied Physiology

Paper Code: ANAT-105 & PHYS-110

[Time : 03:00 Hours]

[Max. Marks : 75]

Note: 1. Attempt all the questions as per given instructions.

Section A- Applied Anatomy **37 Marks**

1. Multiple Choice Questions (MCQs)

[01×6= 6]

- I** The “anatomical position” could be described as which of the following? {CO1,PO4}
A. Lying down prone
B. Lying down supine
C. Standing displaying the ventral surface of the body
D. Standing with arms and legs abducted
- II** Which term describes the location of the adrenal glands with reference to the kidneys? {CO2,PO4}
A. proximal
B. distal
C. superior
D. inferior
- III** What is the name of the membrane that surrounds the lungs? {CO3,PO4}
A. visceral peritoneum
B. parietal peritoneum
C. visceral pleura
D. dura mater
- IV** What structure separates the thoracic cavity from the abdominal cavity? {CO3,PO4}
A. The mediastinum
B. The diaphragm
C. The peritoneum
D. The pylorus
- V** The end of limbs are covered with what to reduce the friction {CO2,3,PO4}
A. Ligament
B. Cartilage
C. Muscle
D. Tendon
- VI** Which is a part of Mid brain? {CO2,3,PO4}
A. Cerebrum
B. Medulla Oblongata
C. Thalamus
D. None of the above

2. Essay Questions (Any one)

[01×10=10]

- I** Describe the structure of lungs in detail with a diagram. {CO3,PO4}
- II** Enumerate the organs of digestion including accessory organs of digestion. Describe in detail about stomach under the following headings: {CO2,3,PO4}
- a) Situation b) Parts c) Relation d) Blood supply e) Nerve supply f) Applied anatomy

3. Short Essay Questions (Any three)

[03×05=15]

- | | | |
|------------|--|----------------------|
| I | Explain the ventricles of the brain | {CO3,PO1,4} |
| II | Classification of bones | {CO2,3,PO1,4} |
| III | Structural differences between skeletal, cardiac and smooth muscles | {CO3,PO4} |
| IV | Draw the labeled diagram of Eye and explain it. | {CO2,3,PO4} |

4. Very Short Answer Questions (Any three)

[03×02=06]

- | | | |
|------------|--|-----------------------|
| I | Write the parts of fallopian tube | {CO2,3,PO1, 4} |
| II | Name the arteries supplying the heart. | {CO2,3,PO1,4} |
| III | Name the different lymphatic organs of the body | {CO2,3,PO1.4} |
| IV | Name the parts of pancreas | {CO3,PO4} |

Section B- Applied Physiology 38 Marks

5. Multiple Choice Questions (MCQs)

[01×7= 7]

- I** Which gland controls the functioning of other endocrine glands? {CO2,3,PO4}
A. Thyroid gland B. Pineal gland C. Adrenal glands D. Pituitary gland
- II** Which is the phase of menstrual cycle where the endometrium becomes more vascular and may start to shed? {CO5,PO4}
A. Regenerative phase B. Proliferative phase C. Secretory phase D. Menstruation phase
- III** Fat digestion occurs in? {CO5,PO4}
A. Small intestine B. Large intestine C. Stomach D. Duodenum
- IV** Anti-diuretic hormone (ADH) {CO2,PO4}
A. is synthesized by the posterior lobe of the pituitary gland
B. is released by neurosecretion
C. its secretion is increased by a low plasma osmolarity
D. increases the permeability of the distal convoluted tubule
- V** In human being, haemorrhage causes {CO5,PO4}
A. venous constriction B. decreased blood flow to the skin
C. a fall in cardiac output D. all above
- VI** The life span of red blood cells is? {CO3,PO4}
A. 90 days B. 100 days C. 110 days D. 120 days
- VII** An increase in PaCO₂ lead to: {CO3,PO4}
A. hypertension B. increased adrenaline release C. increased sweating D. all above

6. Essay Questions (Any one)

[01×10=10]

- I** Define the cardiac cycle. What are the events in a cardiac cycle? Describe the ventricular events in detail. Add a note on heart sounds. {CO3,4,5 ,PO1,4}
- II** Write in detail the mechanism of urine formation. {CO3,PO4}

7. Short Essay Questions (Any three)

[03×05=15]

- I** Explain about Blood grouping {CO3,PO4}
- II** Describe the functions of Hypothalamus {CO3,PO4}
- III** Composition and function of pancreatic juice. {CO3,5,PO4}
- IV** Electro cardiogram (ECG) {CO3,5,PO4}

8. Very Short Answer Questions (Any three)

[03×02=06]

- I** What is surfactant? {CO1,PO4}
- II** Types of Neurons. {CO3,PO4}
- III** What is vital capacity? Give the normal value {CO1,3,PO1,4}
- IV** Any four functions of thyroid hormone {CO3,PO1, 4}

[illegible]

B.Sc(Nursing) 1st Year- I Semester

Program: B.Sc(N)

Subject Name : Applied Sociology & Applied Psychology

Paper Code: SOCI-115 & PSYC-120

Time : Three hours

Maximum : 75 marks

Section A - (Sociology) (37 Marks)

I. MCQs

$$6 \times 1 = 6$$

1. The term society is derived from which word. (CO1, PO1)
 - a. Greek
 - b. latin
 - c. French
 - d. German
2. _____ consists of two or more individuals among whom we find an established pattern of interaction. (CO2, PO8)
 - a. social system
 - b. social structure
 - c. social relationship
 - d. Social Interaction
3. A social group characterized by face-to-face relationship. (CO2, PO8)
 - a. primary group
 - b. secondary group
 - c. in-group
 - d. Tertiary groups
4. The systematic ordering of social relations by facts of choice and decision. (CO6, PO4)
 - a. social structure
 - b. social system
 - c. social organization
 - d. Social Disorganization
5. In which state the primary socialization take place. (CO6, PO8)
 - a. Adult stage
 - b. Pre natal stage
 - c. Childhood stage
 - d. Adolescent stage
6. 'Dowry Prohibition Act', when is it passed - (CO6, PO1)
 - a. 1961
 - b. 1972
 - c. 1978
 - d. 1960

I. Elaborate on: (any 1)

(1x 10 = 10)

1. Define Family. Explain in detail the Role of Family on Individual's Health. (CO4, PO2)
2. Define 'Caste'. Explain the changing trends of caste system. (CO5, PO2)

II. Short Notes on : (any 3)

(3 x 5 = 15)

1. Causes and remedy of prostitution. (CO6,PO2)
2. Conditions of Marriage. (CO4,PO5)
3. Cultural Lag. (CO3,PO5)
4. Factors of Social change. (CO5,PO4)

III. Short Answers on: (any 3)

(3 x 2 = 6)

1. Define child labour. (CO6,PO4)
2. What do you mean by population explosion? (CO6,PO2)
3. Mention four major causes of Social Disorganization. (CO6,PO4)
4. Meaning of Polygamy marriage. (CO4,PO5)

Section B (Psychology) (38Marks)

 $7 \times 1 = 7$

I. MCQs

1. Which of the following is not a primary motive-(CO6,PO1)
a. Hunger motive b. Thirst motive c. Affiliation motive d. Sex motive
2. A child is considered as mentally retarded when I.Q. is- (CO5,PO1)
A. 100 b. Below 70 c. Below 25 d. 80-90
3. Which of the following factor affect the learning process- (CO5, PO1)
a. Motivation b. Age and sex c. Nature of learning material d. All of the above
4. In the Maslow's need hierarchy model which of the following need is kept above the safety needs- (CO7,PO4)
a. Self actualization need b. Belonging need c. Esteem needs d. Physiological needs
5. Psychological tests are connected with assessment of- (CO7,PO1)
a. Personality only b. Perception only c. All aspects of psychological functioning d. Sociability
6. Which of the following statement is correct about modern psychology- (CO1,PO1)
a. Psychology is the science of mind b. Psychology is the science of soul
c. Psychology is the science of consciousness d. Psychology is the science of behaviour
7. The study of psychology is of great importance to a student nurse as- (CO1,PO9)
a. Psychology will help them to understand herself and other people
b. Psychology will help them to understand human relationships and in rapport formation.
c. Psychology will help them to shaping and behaviour of a patient.
d. All of the above.

II. Elaborate on: (any 1)

(1 x 10= 10)

- 1.Explain the types and theories of motives in detail. (CO6,PO10)
- 2.Describe the concepts of mental health and mental hygiene in detail.(CO3,PO1)

II. Short Notes on : (any 3)

(3 x 5 = 15)

1. Projective test.(CO7,P09)
- 2.Types of thinking.(CO5,PO1)
- 3.Psycho-sexual stages.(CO,PO1)
- 4.Methods of Psychology.(CO1,PO1)

III. Short Answers on: (any 3)

(3 x 2 = 6)

- 1.Name the Components of Attitude.(CO6,PO1)
- 2.Four secondary motives.(CO6,PO10)
- 3.Name the Vulnerable individuals .(CO4,PO2)
- 4.Steps in Learning. (CO5,PO1)