

No. of Printed Pages: 2

Roll No.....

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SCHOOL OF NURSING SCIENCES & ALLIED HEALTH

BPT 1st YEAR, ANNUAL EXAMINATION, MAY 2024

GENERAL FOUNDATION COURSE (THEORY)

PAPER CODE: BPT – 172

Time: 3 hours

Maximum Marks: 75 Marks

(Write your Roll No. on top of the paper immediately)

All sections are compulsory. Draw diagrams wherever necessary. Give examples wherever necessary.

SECTION – A

Multiple Choice Questions (All are compulsory)

(15 × 1 Mark = 15 Marks)

- Q1.** Coulomb's law is a law of physics describing the _____ between electrically charged particles
a) Electrostatic interaction c) Electromagnetism
b) Potential energy d) None of the above
- Q2.** Which of the following is a secondary cell?
a) Leclanché cell c) Concentration cell
b) Lead storage battery d) All of these
- Q3.** The capacity of a battery is expressed inner most
a) Ampere b) Volt-Hour c) Ampere-Hour d) Volt-Amp-Hour
- Q4.** Hypothalamus and Thalamus are in _____.
a) Cerebellum b) Cerebrum c) Limbic system d) Diencephalon
- Q5.** Benefits of using small cells could be
a) Lightweight b) High Voltage c) Constant Voltage d) All of Them
- Q6.** In a healthy adult man, the normal diastolic pressure is
a) 80 mm Hg b) 90 mm Hg c) 100 mm Hg d) 120 mm Hg
- Q7.** What flows in the internal circuit of a galvanic cell?
a) Ions b) Electrons c) Electricity d) Atoms
- Q8.** Effect of dilution on conductivity of solution:
a) Increases b) Decreases c) Unchanged d) None of the above
- Q9.** Which of the following statements about galvanic cell is incorrect?
a) Anode is positive
b) Oxidation occurs at the electrode with lower reduction potential
c) Cathode is positive
d) Reduction occurs at cathode

Q10. Mean age of menopause is

- a) 40 years b) 45 years c) 51 years d) 48 years

Q11. What does AIDS stand for?

- a) Acquired Immune Deficiency Syndrome c) After Immunity Deficiency Syndrome
b) Actual Infectious Disease System d) Altered Immunodeficiency System

Q12. What does HIV stand for?

- a) Heavily Infectious Virus c) Harmful Infectious Verruca
b) Human Immunodeficiency Virus d) Human Immunity Virus

Q13. Name the hormone which is at peak during ovulation

- a) Progesterone b) Estrogen c) FSH d) LH

Q14. Which of the following produces the male sex hormone?

- a) Rete testis b) Seminiferous tubule c) Leydig cell d) Scrotum

Q15. Name the site of sperm maturation

- a) Epididymis b) Ductus deferens c) Spermatic cord d) Urethra

SECTION - B

Answer any **THREE** of the following:

(3 × 10 Marks = 30 Marks)

- Q1.** Explain in detail about Capacitors and Capacitance
Q2. Write a short note on active and passive immunity.
Q3. Write in detail about types of Batteries.
Q4. Write in detail about AIDS.

SECTION - C

Answer any **TWO** of the following:

(2 × 15 Marks = 30 Marks)

- Q1.** What is noun? Explain the different type of nouns? Can you provide example of all nouns?
Q2. Explain Coulomb Law and its significance in electrostatics. How does coulomb Law describe the relationship between electric charges?
Q3. Write in detail about Female Reproductive System. (Explain with suitable diagram)
