

UP CNET 2026 B.Sc. Nursing

Question Paper (Memory-Based)

Conducted by ABVM University, Uttar Pradesh



General Instructions

- (i) The examination was conducted in pen and paper mode.
- (ii) Each correct answer carries 1 mark and there is no negative marking for incorrect answers.
- (iii) The total number of questions are 120 and the total marks are 120.
- (iv) Duration of the exam is 2 hour 20 minutes (140 minutes).

1. Yellowing of leaf due to nitrogen deficiency is called:

- (A) Chlorosis
- (B) Necrosis
- (C) Wilting
- (D) Etiolation

2. Plant height growth hormone is:

- (A) Auxin
- (B) Gibberellin
- (C) Cytokinin
- (D) Ethylene

3. Yeast reproduces primarily through which of the following processes?

- (A) Spore formation
 - (B) Binary fission
 - (C) Fragmentation
 - (D) Budding
-

4. A prokaryotic cell lacks which of the following?

- (A) Plasma membrane
 - (B) Ribosome
 - (C) True nucleus
 - (D) Cell wall
-

5. What is the normal hemoglobin (Hb) level in an adult female?

- (A) 16 to 19 g/dL
 - (B) 12 to 15 g/dL
 - (C) 10 to 12 g/dL
 - (D) 14 to 18 g/dL
-

6. What is the typical phenotypic ratio of a Mendelian dihybrid cross?

- (A) 3 : 1
 - (B) 1 : 2 : 1
 - (C) 9 : 3 : 3 : 1
 - (D) 1 : 1 : 1 : 1
-

7. What is the correct sequence of steps in Basic Life Support (BLS)?

- (A) ABC (Airway, Breathing, Compressions)
 - (B) CAB (Compressions, Airway, Breathing)
 - (C) BAC (Breathing, Airway, Compressions)
 - (D) BCA (Breathing, Compressions, Airway)
-

8. What is the primary function of hemoglobin in the blood?

- (A) It carries oxygen
 - (B) It fights infection
 - (C) It clots blood
 - (D) It produces antibodies
-

9. What is the immediate nursing action for a patient with a suspected bone fracture?

- (A) Immobilize the injured part
 - (B) Mobilize the patient
 - (C) Ask the patient to exercise
 - (D) Massage the affected area
-

10. What is the recommended compression-to-ventilation ratio for CPR in adults?

- (A) 15:2
 - (B) 30:2
 - (C) 30:1
 - (D) 15:1
-

11. Which of the following is a major risk or complication of uncontrolled high blood pressure (hypertension)?

- (A) Stroke
 - (B) Vertigo
 - (C) Asthma
 - (D) Peptic ulcer
-

12. A deficiency of iron in the body primarily leads to which condition?

- (A) Scurvy
 - (B) Anemia
 - (C) Goiter
 - (D) Rickets
-

13. Which is the largest artery in the human body?

- (A) Pulmonary artery
 - (B) Carotid artery
 - (C) Aorta
 - (D) Femoral artery
-

14. The scientific study of bones is known as:

- (A) Myology
 - (B) Neurology
 - (C) Osteology
 - (D) Pathology
-

15. Which is the most common and accessible site for measuring a routine pulse in adults?

- (A) Carotid artery
 - (B) Femoral artery
 - (C) Radial artery
 - (D) Apical pulse
-

16. Molality depends upon:

- (A) Temperature
 - (B) Volume of solvent
 - (C) Mass of solvent
 - (D) Pressure
-

17. Weakest intermolecular force is:

- (A) Hydrogen bonding
 - (B) Ionic bond
 - (C) London dispersion forces
 - (D) Dipole-dipole forces
-

18. Denaturation of protein does NOT break which bonds?

- (A) Hydrogen bonds
 - (B) Disulfide bonds
 - (C) Peptide bonds
 - (D) Hydrophobic interactions
-

19. Ion with highest charge density:

- (A) Li^+
 - (B) Mg^{2+}
 - (C) Al^{3+}
 - (D) Na^+
-

20. Entropy is a measure of:

- (A) Disorder
 - (B) Enthalpy
 - (C) Temperature
 - (D) Pressure
-

21. According to Graham's law, rate of diffusion is inversely proportional to:

- (A) Square root of density
 - (B) Density
 - (C) Molecular weight
 - (D) Square of density
-

22. In electrolysis of aqueous NaCl, which ion is formed at the cathode?

- (A) Na^+
 - (B) Cl^-
 - (C) H_2 (gas)
 - (D) OH^-
-

23. Nitrogen deficiency symptom in plants is:

- (A) Purpling of leaves
 - (B) Yellowing of older leaves first
 - (C) Yellowing of younger leaves first
 - (D) Leaf curling
-

24. The charge on an alpha particle is:

- (A) +1
 - (B) -1
 - (C) +2
 - (D) -2
-

25. The hybridization of methane (CH_4) is:

- (A) sp
 - (B) sp^2
 - (C) sp^3
 - (D) sp^3d
-

26. How many bonds are present in an alkene?

- (A) Only single bonds
 - (B) One double bond
 - (C) One triple bond
 - (D) No bonds
-

27. Electrolysis of H_2O gives:

- (A) H_2 and O_2
 - (B) H_2O only
 - (C) H_2 and Cl_2
 - (D) O_2 and Cl_2
-

28. The quantity that remains constant in an isothermal process is:

- (A) Pressure
 - (B) Volume
 - (C) Temperature
 - (D) Entropy
-

29. SI unit of magnetic flux is:

- (A) Tesla
 - (B) Weber
 - (C) Henry
 - (D) Gauss
-

30. The turns ratio of a step-up transformer is 1:5. If the primary voltage is 20 V, what will be the secondary voltage?

- (A) 500 V
 - (B) 40 V
 - (C) 1000 V
 - (D) 100 V
-

31. What is the work done by gravity on a body moving in a uniform circular motion (like a satellite orbiting Earth)?

- (A) Positive
 - (B) Negative
 - (C) Zero
 - (D) Infinite
-

32. In an n-type semiconductor, the majority charge carriers are:

- (A) Holes
 - (B) Protons
 - (C) Electrons
 - (D) Neutrons
-