

CONCEPT ACADEMY**CNET 2026 MOCK TEST-03**

Total MCQs 120

Total Marks 120 Time

120 Minutes

**Physics • Chemistry • Biology • Nursing
Aptitude • English****Instructions:**

- Each question carries 1 mark.
- Choose the correct option.
- No negative marking.
- Time Allowed: 2 Hours

PHYSICS (Q.1 – Q.24)

- The SI unit of electric potential difference is:
a) **Volt** b) Ohm c) Ampere d) Watt
- The speed of light in water is:
a) 3×10^8 m/s b) **2.25×10^8 m/s**
c) 2×10^8 m/s d) 1.5×10^8 m/s
- The device used to measure distance :
a) Speedometer b) **Odometer**
c) Ammeter d) Potentiometer
- The unit of power of lens is:
a) Joule b) Newton
c) Watt d) **Dioptr**
- Which mirror is used in vehicle headlights?
a) Convex mirror b) Plane mirror
c) **Concave mirror** d) Cylindrical Mirror
- Which quantity is scalar?
a) Torque b) Force
c) Acceleration d) **Energy**
- The acceleration due to gravity on the height of 200km from the Earth is approximately:
a) **less than 9.8 m/s²** b) 98 m/s²
- Escape velocity from Earth is approximately:
A) 7.9 km/s B) 9.8 km/s
C) 11.2 km/s D) 15 km/s
- Hook's law relates:
a) Force and velocity
b) Stress and Strain
c) Stress and Energy
d) Mass and weight
- Which color has minimum wavelength?
a) **Violet** b) Blue c) Red d) Green
- The S.I. unit of Electric flux is:
A) N m²/C B) Weber
C) Henry D) Gauss
- The image formed by a Convex mirror is:
a) Real and inverted **b) Virtual and erect**
c) Real and erect d) Virtual and inverted
- Unit of resistivity is:
a) Ampere **b) Ohm-m**
c) Ohm d) Coulomb
- The magnetic field around a straight current-carrying conductor is:
A) Radial **B) Circular**
C) Linear D) Elliptical
- The S.I. unit of electric potential energy is:
a) Joule b) Newton c) Pascal d) Watt
- Which wave does not require a medium?
a) Sound wave b) Water wave
c) Radio wave d) Seismic wave
- The bouncing back of light in denser medium when it passes from denser medium to rarer medium is called:

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- a) Reflection b) Refraction
c) Diffraction
- d) Total Internal reflection**
18. The unit of frequency is:
- a) **Hertz** b) Joule
c) Watt d) Newton
19. The work done when force and displacement are perpendicular is:
- a) Maximum b) Minimum
c) Zero d) Infinite
20. Which instrument converts mechanical energy into Electrical energy?
- a) Generator **b) Motor**
b) c) Transformer d) Battery
- CHEMISTRY (Q.25 – Q.48)**
25. The chemical formula of Common Salt is:
- a) CO₂ b) H₂O c) O₂ d) **NaCl**
26. The bulb filament is made of? Options:
(1) Mercury (2) Copper
(3) Tungsten (4) None of these
27. The pH of pure NaCl is:
- a) 0 **b) 7** c) 14 d) 1
28. Which gas is Nobel gas?
- a) N₂ b) O₂ c) H₂ **d) He**
29. The mass number represents:
- a) Number of neutrons
b) Number of protons
c) Number of electrons only
d) Number of protons and neutrons
30. Which acid is present in Curd?
- a) Acetic acid **b) Lactic acid**
c) Hydrochloric acid d) Sulphuric acid
31. The process of loss of electrons is:
- a) Reduction** b) Oxidation
c) Neutralization d) Distillation
21. **The first law of thermodynamics is based on:**
A) Conservation of mass
B) Conservation of momentum
C) Conservation of energy
D) Conservation of charge
22. **Refractive index is maximum for:**
A) Vacuum B) Air
C) Water **D) Diamond**
23. **Angular momentum is conserved when:**
A) Net force is zero
B) Net torque is zero
C) Velocity is constant
D) Acceleration is zero
24. **The degree of freedom of a triatomic gas at ordinary temperature is:**
A) 3 B) 6 C) 7 **D) Maybe 6 or 7**
32. Which element is liquid at room temperature?
- a) Sodium **b) Mercury**
c) Iron d) Sulphur
33. The smallest particle of an element is:
- a) Molecule **b) Atom**
c) Ion d) Compound
34. Which vitamin contains cobalt?
- a) Vitamin A **b) Vitamin B12**
c) Vitamin C d) Vitamin D
35. LPG mainly contains:
- a) Methane **b) Butane and propane**
c) Ethane d) Acetylene
36. The gas used in bulbs is:
- a) Oxygen b) Carbon dioxide
c) Nitrogen **d) Argon**
37. The chemical symbol of potassium is:
- a) Po b) Pt **c) K** d) P
38. Which metal is used in thermometers?
- a) Iron **b) Mercury**
c) Copper d) Aluminium

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39. The process of conversion of Solid into gas is called:

- a) Freezing b) Condensation
c) Vaporization **d) Sublimation**

40. Which acid is found in vinegar?

- a) Citric acid **b) Acetic acid**
c) Lactic acid d) Oxalic acid

41. The nucleus of an atom contains:

- a) Electrons only
b) Protons and neutrons
c) Protons only d) Neutrons only

42. Rusting of iron requires:

- a) Oxygen only b) Water only
c) Air and moisture d) Hydrogen only

43. Which gas turns lime water milky?

- a) Oxygen **b) Carbon dioxide**
c) Nitrogen d) Hydrogen

44. The atomic mass unit is represented by:

- a) kg **b) amu** c) gm d) mol

45. Which of the following is an alkali?

- a) HCl **b) NaOH** c) H₂SO₄ d) HNO₃

46. Quick lime is:

- A) CaCO₃ **B) CaO**
C) Ca(OH)₂ D) CaSO₄

47. The chemical formula of Gypsum is:

- A) CaSO₄·2H₂O **B) CaSO₄·½H₂O**
C) CaCO₃ D) CaO

48. Baking soda is:

- A) Na₂CO₃ B) NaOH
C) NaHCO₃ D) NaCl

BIOLOGY (Q.49 – Q.72)

49. The Kitchen of the cell is:

- a) Ribosome b) Nucleus
c) Mitochondria **d) Chloroplast**

50. The normal pH of human blood is approximately:

- A) 6.5 **B) 7.4** C) 8.5 D) 5.5

51. Which vitamin is produced in sunlight?

- a) Vitamin A b) Vitamin B
c) Vitamin C **d) Vitamin D**

52. Blood group discovered by Landsteiner is:

- a) Rh factor b) **ABO group**
c) Bombay group d) MN group

53. The largest gland in the human body is:

- a) Pancreas b) Thyroid
c) Liver d) Pituitary

54. The largest organ in the human body is:

- A) Liver B) Brain
C) Skin D) Kidney

55. Insulin is secreted by:

- A) Liver B) Thyroid
C) Pancreas D) Kidney

56. The process of breakdown of food is called:

- a) Respiration **b) Digestion**
c) Circulation d) Excretion

57. Which blood cells help in clotting?

- a) RBC b) WBC c) **Platelets** d) Plasma

58. The functional unit of nervous system :

- a) Neuron** b) Nephron c) Alveoli d) Villi

59. The oxygen-carrying pigment in blood :

- A) Chlorophyll **B) Hemoglobin**
C) Melanin D) Carotene

60. The universal recipient blood group

- A) A B) B
C) AB Positive D) O Positive

61. Which organ is responsible for breathing?

- a) Kidney b) Heart **c) Lungs** d) Brain

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62. The study of microorganisms is called:

- a) Ecology b) Zoology
c) Microbiology d) Botany

63. The largest bone in human body is:

- a) Tibia **b) Femur** c) Humerus d) Radius

64. Which part of the brain controls balance?

- a) Cerebrum b) Medulla
c) Cerebellum d) Hypothalamus

65. The aim of Ayushman Bharat Yojana – National Health Protection Scheme is?

- (a) Health and Wellness Centres
(b) Provide preventive services
(c) Provide promotive and curative services

(d) All of the above

66. AIDS is caused by:

- a) Bacteria b) Fungus
c) Virus d) Protozoa

67. The green pigment in plants is:

- a) Hemoglobin b) Melanin
c) Chlorophyll d) Keratin

68. The process of cell division producing two daughter cells is:

- A) Meiosis **B) Mitosis**
C) Fertilization D) Mutation

69. The site of protein synthesis is:

- A) Ribosome** B) Nucleus
C) Lysosome D) Golgi apparatus

70. Which organelle is called the "suicide bag" of the cell?

- A) Ribosome B) Golgi body
C) Lysosome D) Mitochondria

71. Vaccination provides:

- A) Natural immunity
B) Passive immunity
C) Artificial active immunity
D) Genetic immunity

72. Which of the following cells form antibodies and immunoglobulins?

- (a) Platelets **(b) B-lymphocytes**
(c) T-lymphocytes (d) RBC

73. Which of the following joints is present in the shoulder?

(a) Ball and socket joint (b) Pivot joint

(c) Hinge joint (d) All of the above

74. The Site of fertilization in females is?

(a) Ampulla of the fallopian tube

(b) Isthmus of the fallopian tube

(c) Uterus (d) Vagina

75. ECG is used for recording. Options:

- (a) Brain activity (b) Kidney function
(c) Electrical activity of the heart
(d) Liver function

76. The function of a nurse at the tertiary level is? Options:

- (a) Provide health education
(b) Provide specialized care
(c) Provide immunization services
(d) Conduct home visits

77. The kidney treatment department is known as?

- (a) Nephrology** (b) Surgery
(c) Cardiology (d) Nuclear medicine

78. Deficiency of what causes malnutrition?

- (a) Proteins (b) Vitamins
(c) Minerals **(d) All of these**

79. Which is NOT a barrier to communication?

- A) Noise B) Language difference
C) Feedback D) Stress

80. Eye contact is a form of:

- A) Written communication
B) Visual communication
C) Non-verbal communication
D) Oral communication

81. Which of the following is the lens of the eye?

- (a) Concave **(b) Biconcave**
(c) Biconvex (d) None of above

82. What is the chemical formula of acetic acid?

- (a) C_2H_5OH (b) C_2H_5
(c) C_2H_5COOH (d) C_2H_5O

83. What to be call the nuclides having same neutrons?

- (a) Isotopes (b) Isobars

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- (c) **Isotones**
- (d) Such species don't exist

84. Which of the following has a deoxygenated blood?

- (a) Renal Veins
- (b) Pulmonary Veins
- (c) Pulmonary artery**
- (d) Hepatic portal veins

85. The most important quality of a nurse is:

- A) Intelligence
- B) Sympathy and empathy**
- C) Physical strength
- D) Leadership

86. When communicating with a patient, a nurse should:

- A) Use medical jargon only
- B) Speak loudly
- C) Use simple and clear language**
- D) Avoid eye contact

87. A nurse should maintain patient confidentiality because:

- A) It is a legal and ethical responsibility**
- B) It saves time
- C) It avoids paperwork
- D) It increases hospital income

88. During an emergency, the nurse should:

- A) Panic
- B) Wait for others
- C) Stay calm and act promptly**
- D) Leave the area

89. Which vital sign indicates breathing status?

- A) Pulse
- B) Temperature
- C) Respiration**
- D) Weight

90. The ethical principle of "doing no harm" is:

- A) Justice
- B) Autonomy
- C) Non-maleficence**
- D) Fidelity

91. The nurse's primary role in health education is:

- A) Punishment
- B) Guidance and awareness**
- C) Diagnosis only
- D) Surgery

92. Which nutrient is essential for tissue repair?

- A) Carbohydrate
- B) Fat
- C) Protein**
- D) Water

93. A patient has difficulty hearing. The nurse should:

- A) Ignore the problem
- B) Shout loudly
- C) Face the patient while speaking**
- D) Speak rapidly

94. The normal respiratory rate in adults is:

- A) 4-8/min
- B) 12-20/min**
- C) 25-35/min
- D) 40-50/min

95. The color-coded biomedical waste bag for infectious waste is generally:

- A) Yellow**
- B) Blue
- C) Black
- D) White

96. Which of the following is a sign of dehydration?

- A) Increased urine output
- B) Dry mouth**
- C) Weight gain
- D) Slow pulse only

ENGLISH (Q.97 - Q.120)

97. Choose the correct spelling:

- a) Recieve
- b) Receive**
- c) Reeceve
- d) Receve

98. Select the most appropriate synonym of the word "unpredictable":

- A. Expected
- B. Surprising**
- C. Clear
- D. Boring

99. Choose the word that is spelled correctly.

- (a) accommodate
- (b) accommodate**
- (c) accommodation
- (d) accomodated

100. A disease which spread by contract;

- (a) incurable
- (b) Infectious
- (c) Contagious**
- (d) Fatal

101. He ranthe house

- (a) Onto
- (b) Into**
- (c) TO
- (d) For

102. Select the most appropriate synonym of the word "erase":

- a) Dilute
- b) Aerate
- c) Delete**
- d) Ignite

103. Select the most appropriate antonym of the word "glut":

- a) **Shortage**
- b) Shout
- c) Sick
- d) Shroud

104. Select the most appropriate antonym of the word "incidental":

- a) Fortunate
- b) Planned**
- c) Important
- d) Arbitrary

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105. She is interested..... learning a new language
a) At b) To c) On d) **In**
106. **Choose the correct synonym of "Rapid".**
A) Slow **B) Quick**
C) Weak D) Lazy
107. **He _____ to school every day.**
A) go **B) goes**
C) going D) gone
108. **Identify the adjective:** "The tall boy won the race."
A) Boy B) Won **C) Tall** D) Race
109. Choose the synonym of "Brave".
A) Cowardly **B) Courageous**
C) Weak D) Timid
110. **Choose the antonym of "Expand"**
A) Increase B) Stretch
C) Contract D) Extend
111. **She has been working here _____ 2020.**
A) for **B) since** C) from D) by
112. **Which sentence is correct?**
A) He don't like tea.
B) He doesn't likes tea.
C) He doesn't like tea.
D) He not like tea.
113. "A stitch in time saves nine" means:
A) Sewing is important
B) Timely action prevents bigger problems
C) Time is valuable
D) Nine stitches are enough
114. Choose the correct passive voice:
"They completed the work."
A) The work completed by them.
B) The work was completed by them.
C) The work is completed by them.
D) The work has completed by them.
115. **One who cannot hear is called:**
A) Blind B) Dumb
C) Deaf D) Lame
116. **Find the error:** "He is senior than me."
A) He B) is **C) senior** than D) me
117. **Choose the correct article:** _____
Ganga is a holy river.
A) A B) An
C) The D) No article
118. **Which sentence is in Present Continuous Tense?**
A) I eat food. B) I ate food.
C) I am eating food.
D) I have eaten food.
119. **The meaning of "Optimistic" is:**
A) Hopeful B) Sad
C) Angry D) Fearful
120. Fill in the blank:
Neither Ram nor his friends _____ present.
A) was B) is
C) were D) be