

PGIMER B.SC NURSING SAMPLE PAPER 08

A) Time Allowed: 1 Hour 30 Minutes.

B) Maximum Marks: 100

C) Total Questions: 100

General Instructions:

- This question paper consists of five sections: Physics, Chemistry, Biology, English, and General Knowledge.
- Each section contains objective type questions with four multiple-choice options (A, B, C, D).
- +1 mark is awarded for each correct answer and 0.25 marks are deducted for each wrong answer.
- The question paper is available in English language only.

SECTION 1 - BIOLOGY

1. During the sliding filament theory of muscle contraction, which band remains constant in length?
A) I-band
B) A-band
C) H-zone
D) Z-line
2. Which part of the nephron is impermeable to water but permeable to salts?
A) Proximal Convoluted Tubule
B) Descending limb of Henle
C) Ascending limb of Henle
D) Collecting duct
3. The “Wobble Hypothesis” explains:
A) DNA replication errors
B) Degeneracy of the genetic code
C) Protein folding
D) Ribosome assembly
4. Which hormone acts as an antagonist to the action of Parathormone?
A) Thyroxine
B) Calcitonin
C) Aldosterone
D) Cortisol
5. What is the correct sequence of the electron transport chain components?
A) Complex I $\rightarrow$ III $\rightarrow$ IV $\rightarrow$ II
B) Complex I $\rightarrow$ II $\rightarrow$ III $\rightarrow$ IV
C) Complex II $\rightarrow$ I $\rightarrow$ III $\rightarrow$ IV
D) Complex IV $\rightarrow$ III $\rightarrow$ II $\rightarrow$ I
6. Which of the following describes the “Restriction Fragment Length Polymorphism” (RFLP)?
A) Used in DNA fingerprinting
B) A type of protein
C) Used in gene therapy
D) A viral enzyme
7. What is the outcome of non-disjunction during Meiosis I?
A) Gametes with $n + 1$ or $n - 1$ chromosomes
B) Normal gametes
C) Mitotic division
D) Polyploidy
8. The “Bohr Effect” refers to:
A) Oxygen affinity shift due to pH/CO₂
B) Hormone regulation
C) Enzyme catalysis
D) Blood pressure

9. Which immunoglobulin is the first to be produced during a primary immune response?
 - A) IgG
 - B) IgA
 - C) IgM
 - D) IgE
10. A mutation in the promoter region of a gene likely results in:
 - A) Altered protein structure
 - B) Failed transcription initiation
 - C) Increased translation rate
 - D) No phenotypic change
11. Which structure in the sperm is derived from the Golgi apparatus?
 - A) Centriole
 - B) Acrosome
 - C) Mitochondria
 - D) Nucleus
12. The “Cori Cycle” involves the conversion of:
 - A) Lactate to Glucose in the liver
 - B) Glucose to Pyruvate in muscle
 - C) Acetyl-CoA to Citrate
 - D) Amino acids to Urea
13. What is the function of the “T-tubules” in muscle fibers?
 - A) Calcium storage
 - B) Transmission of action potential
 - C) ATP production
 - D) Myosin attachment
14. In the lac operon, the repressor protein binds to the:
 - A) Operator
 - B) Promoter
 - C) Structural gene
 - D) Regulator
15. Which cells of the pancreas produce somatostatin?
 - A) Alpha cells
 - B) Beta cells
 - C) Delta cells
 - D) F-cells
16. What is the primary role of surfactant in the alveoli?
 - A) Increase compliance
 - B) Prevent collapse
 - C) Phagocytosis
 - D) Gas exchange
17. Which type of RNA has the highest rate of turnover?
 - A) rRNA
 - B) tRNA

- C) mRNA
 - D) snRNA
18. The “Hering-Breuer reflex” regulates:
 - A) Heart rate
 - B) Breathing depth/rhythm
 - C) Blood pressure
 - D) Pupil dilation
 19. Which mineral deficiency is associated with “Kashin-Beck disease”?
 - A) Selenium
 - B) Zinc
 - C) Magnesium
 - D) Iron
 20. During embryonic development, the notochord is derived from:
 - A) Ectoderm
 - B) Mesoderm
 - C) Endoderm
 - D) Yolk sac
 21. Which enzyme is essential for “Okazaki fragment” ligation?
 - A) Helicase
 - B) Primase
 - C) Ligase
 - D) Topoisomerase
 22. The “Rh factor” is an antigen found on the surface of:
 - A) Erythrocytes
 - B) Leukocytes
 - C) Plasma
 - D) Platelets
 23. Which hormone is released by the juxtaglomerular cells in response to low blood pressure?
 - A) Renin
 - B) Angiotensin
 - C) Aldosterone
 - D) ADH
 24. In photosynthesis, the “Z-scheme” describes:
 - A) Cyclic photophosphorylation
 - B) Non-cyclic electron flow
 - C) Calvin cycle
 - D) Glycolysis
 25. Which condition is caused by a deficiency of the enzyme phenylalanine hydroxylase?
 - A) Albinism
 - B) Phenylketonuria
 - C) Sickle cell anemia
 - D) Cystic fibrosis

SECTION 2 - CHEMISTRY

- Q26. Which of the following has the highest lattice energy?
A) LiF
B) $NaCl$
C) MgO
D) CaO
- Q27. According to MO theory, the bond order of O_2^{2-} is:
A) 1
B) 1.5
C) 2
D) 0
- Q28. In the reaction $A + B \rightarrow C$, if the rate doubles when $[A]$ doubles and quadruples when $[B]$ doubles, the order is:
A) 1
B) 2
C) 3
D) 4
- Q29. Which species is both a Bronsted acid and base?
A) H_3O^+
B) HCO_3^-
C) CO_3^{2-}
D) SO_4^{2-}
- Q30. Which metal is extracted via the “Hall-Heroult” process?
A) Fe
B) Cu
C) Al
D) Zn
- Q31. What is the coordination number of Na^+ in an $NaCl$ crystal?
A) 4
B) 6
C) 8
D) 12
- Q32. Which compound exhibits optical isomerism?
A) $[Co(en)_3]^{3+}$
B) $[Co(NH_3)_6]^{3+}$
C) $[Ni(CO)_4]$
D) $[Pt(NH_3)_2Cl_2]$
- Q33. The “E” configuration in alkenes implies:
A) Higher priority groups on same side
B) Higher priority groups on opposite sides
C) cis-isomer
D) syn-addition

- Q34. Which reagent is used for “Wurtz reaction”?
- A) Na in dry ether
 - B) Zn/HCl
 - C) $Pd/BaSO_4$
 - D) $KMnO_4$
- Q35. The half-life of a radioactive isotope is 1 hour. After 4 hours, what percentage remains?
- A) 25%
 - B) 12.5%
 - C) 6.25%
 - D) 3.125%
- Q36. Which transition metal has the highest melting point?
- A) W
 - B) Fe
 - C) Ti
 - D) Mn
- Q37. The “Zeigler-Natta” catalyst is used for:
- A) Hydrogenation
 - B) Polymerization of ethene
 - C) Oxidation
 - D) Fermentation
- Q38. Which gas follows van der Waals equation most closely at high pressure?
- A) He
 - B) H_2
 - C) O_2
 - D) CH_4
- Q39. The formal charge on N in the NO_3^- ion is:
- A) 0
 - B) +1
 - C) -1
 - D) +2
- Q40. Which is a “Lewis acid”?
- A) NH_3
 - B) BF_3
 - C) H_2O
 - D) OH^-
- Q41. The “Cannizzaro reaction” is given by:
- A) Acetone
 - B) Formaldehyde
 - C) Acetaldehyde
 - D) Propionaldehyde
- Q42. Identify the “ambident” nucleophile:
- A) CN^-
 - B) OH^-

- C) Cl^-
D) H_2O
- Q43. Which oxide is amphoteric?
A) Na_2O
B) Al_2O_3
C) MgO
D) CO_2
- Q44. The molar conductivity of a strong electrolyte increases with:
A) Increase in concentration
B) Decrease in dilution
C) Decrease in concentration
D) Increase in temperature
- Q45. Which defect causes a decrease in density?
A) Frenkel
B) Schottky
C) Interstitial
D) Metal excess
- Q46. The number of stereoisomers for 2,3-dichlorobutane is:
A) 1
B) 2
C) 3
D) 4
- Q47. What is the unit of “entropy”?
A) J/K
B) J/mol
C) K/J
D) J/g
- Q48. Which complex is paramagnetic?
A) $[Fe(CN)_6]^{4-}$
B) $[Co(NH_3)_6]^{3+}$
C) $[Fe(H_2O)_6]^{2+}$
D) $[Ni(CN)_4]^{2-}$
- Q49. “Friedel-Crafts” reaction is an example of:
A) Nucleophilic substitution
B) Electrophilic substitution
C) Electrophilic addition
D) Elimination
- Q50. The reaction $2NO + O_2 \rightarrow 2NO_2$ is:
A) First order
B) Second order
C) Third order
D) Zero order

SECTION 3 - PHYSICS

- Q51. An object is thrown vertically. At the highest point, its:
- A) Velocity and acceleration are zero
 - B) Velocity is zero, acceleration is g
 - C) Velocity is g , acceleration is zero
 - D) Velocity and acceleration are g
- Q52. A particle moves in a circle with constant speed. The angle between velocity and acceleration is:
- A) 0°
 - B) 45°
 - C) 90°
 - D) 180°
- Q53. The moment of inertia of a solid sphere of mass M and radius R about a tangent is:
- A) $\frac{2}{5}MR^2$
 - B) $\frac{7}{5}MR^2$
 - C) $\frac{3}{2}MR^2$
 - D) MR^2
- Q54. At what depth below Earth's surface is the value of g half that at the surface?
- A) $R/2$
 - B) $R/4$
 - C) R
 - D) $R/8$
- Q55. The root mean square speed of gas molecules at constant temperature is:
- A) Proportional to pressure
 - B) Independent of molar mass
 - C) Proportional to $\sqrt{T}$
 - D) Inversely proportional to T
- Q56. In an LCR circuit at resonance, the phase difference is:
- A) $\pi/2$
 - B) $-\pi/2$
 - C) 0
 - D) π
- Q57. A convex lens is dipped in a liquid of refractive index equal to the lens. Its focal length:
- A) Becomes zero
 - B) Remains same
 - C) Becomes infinite
 - D) Decreases
- Q58. The work done in blowing a bubble of radius r to $2r$ is:
- A) $3 \times$ initial
 - B) $4 \times$ initial
 - C) $8 \times$ initial
 - D) $2 \times$ initial

- Q59. Which radiation is most deflected by a magnetic field?
- A) Alpha
 - B) Beta
 - C) Gamma
 - D) X-ray
- Q60. A transformer steps up voltage. This implies:
- A) Current decreases
 - B) Current increases
 - C) Power increases
 - D) Energy is created
- Q61. The de-Broglie wavelength of a particle with momentum p is:
- A) h/p
 - B) p/h
 - C) hp
 - D) h/p^2
- Q62. The potential at the center of a charged conducting sphere is:
- A) Zero
 - B) Same as the surface
 - C) Half the surface
 - D) Double the surface
- Q63. In a transistor, the base region is made very thin and lightly doped to:
- A) Reduce recombination
 - B) Increase gain
 - C) Decrease resistance
 - D) Both A and B
- Q64. A Carnot engine has an efficiency of 50% when the sink is at 27°C . The source temperature is:
- A) 327°C
 - B) 600°C
 - C) 54°C
 - D) 300°C
- Q65. The excess pressure inside a liquid drop is:
- A) $2T/r$
 - B) $4T/r$
 - C) T/r
 - D) $2T/3r$
- Q66. When light travels from rarer to denser medium:
- A) Frequency changes
 - B) Speed decreases
 - C) Wavelength increases
 - D) Phase changes
- Q67. The internal resistance of a cell is determined by:
- A) $V = E - Ir$

- B) $V = E + Ir$
C) $E = IR$
D) $P = VI$
- Q68. The energy of a photon of wavelength λ is:
A) $hc\lambda$
B) hc/λ
C) λ/hc
D) $h\lambda/c$
- Q69. An adiabatic process satisfies:
A) $PV = \text{constant}$
B) $PV^\gamma = \text{constant}$
C) $P/V = \text{constant}$
D) $\Delta U = 0$
- Q70. The braking distance of a car is proportional to the square of its speed. If speed triples, distance:
A) Triples
B) Sextuples
C) Increases 9 times
D) Remains same
- Q71. Which gate acts as a universal gate?
A) AND
B) OR
C) NAND
D) XOR
- Q72. The magnetic force on a charge q moving with velocity v in field B is:
A) qvB
B) $q(v \times B)$
C) $q(v \cdot B)$
D) qv/B
- Q73. At resonance, the power factor of an LCR circuit is:
A) 0
B) 1
C) 0.5
D) Infinity
- Q74. The binding energy per nucleon is maximum for:
A) Hydrogen
B) Iron
C) Uranium
D) Carbon
- Q75. A wire of resistance R is cut into n equal parts. Resistance of each part is:
A) nR
B) R/n

- C) R/n^2
- D) nR^2

SECTION 4 - ENGLISH

- Q76. Identify the correct indirect speech: “She said, ‘I have completed my work.’ ”
- A) She said she had completed her work.
 - B) She said she has completed her work.
 - C) She said she completed her work.
 - D) She says she had completed her work.
- Q77. Choose the idiom for “To be in a dilemma”:
- A) To be at sixes and sevens
 - B) To be on the fence
 - C) To beat about the bush
 - D) To let the cat out of the bag
- Q78. Find the synonym for “Exonerate”:
- A) Blame
 - B) Absolve
 - C) Convict
 - D) Punish
- Q79. “Hardly had he arrived _____ the bell rang.”
- A) when
 - B) than
 - C) then
 - D) as
- Q80. Choose the correct spelling:
- A) Effervescent
 - B) Efervescent
 - C) Efervesent
 - D) Effervesent
- Q81. “The teacher with all her students _____ gone for a picnic.”
- A) has
 - B) have
 - C) are
 - D) were
- Q82. Find the antonym for “Meticulous”:
- A) Careful
 - B) Diligent
 - C) Careless
 - D) Precise
- Q83. “He died _____ cancer.”
- A) of
 - B) from
 - C) by
 - D) with

- Q84. Which sentence is in correct active voice?
- A) The report was being prepared by him.
 - B) He was preparing the report.
 - C) The report prepared by him.
 - D) Being prepared by him was the report.
- Q85. "A person who loves everyone" is:
- A) Philanthropist
 - B) Altruist
 - C) Humanitarian
 - D) Egoist

SECTION 5 : GENERAL KNOWLEDGE

- Q86. The “Seismograph” measures:
- A) Atmospheric pressure
 - B) Earthquake intensity
 - C) Ocean depth
 - D) Wind speed
- Q87. The First Battle of Panipat was fought in:
- A) 1526
 - B) 1556
 - C) 1761
 - D) 1546
- Q88. Which layer of the atmosphere is closest to Earth?
- A) Stratosphere
 - B) Troposphere
 - C) Mesosphere
 - D) Thermosphere
- Q89. Who wrote the “Arthashastra”?
- A) Kalidasa
 - B) Chanakya
 - C) Banabhatta
 - D) Megasthenes
- Q90. The “Great Victoria Desert” is in:
- A) Africa
 - B) Australia
 - C) America
 - D) India
- Q91. What is the pH of human blood?
- A) 6.4
 - B) 7.4
 - C) 8.4
 - D) 7.0
- Q92. Which is the largest gland in the human body?
- A) Pancreas
 - B) Liver
 - C) Thyroid
 - D) Adrenal
- Q93. The “Suez Canal” connects:
- A) Mediterranean and Red Sea
 - B) Atlantic and Pacific
 - C) Indian and Pacific
 - D) Baltic and North Sea

- Q94. Who was the first woman judge of the Supreme Court of India?
A) M. Fathima Beevi
B) Leila Seth
C) Ruma Pal
D) Indu Malhotra
- Q95. The “Blue Revolution” is related to:
A) Fisheries
B) Agriculture
C) Milk
D) Petroleum
- Q96. Which city is called the “Silicon Valley of India”?
A) Hyderabad
B) Bengaluru
C) Pune
D) Chennai
- Q97. The term “Grand Slam” is used in:
A) Cricket
B) Football
C) Tennis
D) Hockey
- Q98. Which gas is commonly used in neon signs?
A) Neon
B) Argon
C) Helium
D) Krypton
- Q99. “World Environment Day” is celebrated on:
A) June 5
B) April 7
C) December 1
D) September 16
- Q100. The “Headquarters of ASEAN” is in:
A) Jakarta
B) Manila
C) Bangkok
D) Singapore

SOLUTIONS

Q1. Correct Answer: (B)

The A-band remains constant in length during muscle contraction according to the sliding filament theory.

Q2. Correct Answer: (C)

The ascending limb of Henle is impermeable to water but permeable to salts.

Q3. Correct Answer: (B)

The Wobble Hypothesis explains the degeneracy of the genetic code.

Q4. Correct Answer: (B)

Calcitonin acts antagonistically to parathormone by lowering blood calcium levels.

Q5. Correct Answer: (B)

The correct sequence of the electron transport chain is Complex I $\rightarrow$ II $\rightarrow$ III $\rightarrow$ IV.

Q6. Correct Answer: (A)

RFLP is widely used in DNA fingerprinting.

Q7. Correct Answer: (A)

Non-disjunction during Meiosis I produces gametes with $n + 1$ or $n - 1$ chromosomes.

Q8. Correct Answer: (A)

The Bohr Effect refers to the shift in oxygen affinity due to changes in pH and CO₂ concentration.

Q9. Correct Answer: (C)

IgM is the first immunoglobulin produced during a primary immune response.

Q10. Correct Answer: (B)

A promoter mutation can prevent transcription initiation.

Q11. Correct Answer: (B)

The acrosome of sperm is derived from the Golgi apparatus.

Q12. Correct Answer: (A)

The Cori cycle converts lactate into glucose in the liver.

Q13. Correct Answer: (B)

T-tubules help in the transmission of action potentials into muscle fibers.

Q14. Correct Answer: (A)

In the lac operon, the repressor protein binds to the operator region.

Q15. Correct Answer: (C)

Delta cells of the pancreas produce somatostatin.

Q16. Correct Answer: (B)

Surfactant prevents alveolar collapse by reducing surface tension.

Q17. Correct Answer: (C)

mRNA has the highest turnover rate among different RNA types.

Q18. Correct Answer: (B)

The Hering-Breuer reflex regulates breathing depth and rhythm.

Q19. Correct Answer: (A)

Kashin-Beck disease is associated with selenium deficiency.

Q20. Correct Answer: (B)

The notochord is derived from mesoderm during embryonic development.

Q21. Correct Answer: (C)

DNA ligase joins Okazaki fragments during DNA replication.

Q22. Correct Answer: (A)

The Rh factor antigen is present on erythrocytes.

Q23. Correct Answer: (A)

Juxtaglomerular cells release renin in response to low blood pressure.

Q24. Correct Answer: (B)

The Z-scheme represents non-cyclic electron flow in photosynthesis.

Q25. Correct Answer: (B)

Phenylketonuria is caused by deficiency of phenylalanine hydroxylase.

Q26. Correct Answer: (C)

MgO has the highest lattice energy due to higher ionic charges and smaller ionic size.

Q27. Correct Answer: (A)

The bond order of O_2^{2-} is 1 according to molecular orbital theory.

Q28. Correct Answer: (C)

The overall order is 3 because $\text{rate} \propto [A]^1[B]^2$.

Q29. Correct Answer: (B)

HCO_3^- can both donate and accept a proton, making it amphoteric.

Q30. Correct Answer: (C)

Aluminium is extracted by the Hall-Heroult electrolytic process.

Q31. Correct Answer: (B)

In $NaCl$ crystal, each Na^+ ion is surrounded by 6 chloride ions.

Q32. Correct Answer: (A)

$[Co(en)_3]^{3+}$ exhibits optical isomerism due to its chiral arrangement.

Q33. Correct Answer: (B)

The E-configuration indicates higher priority groups are on opposite sides.

Q34. Correct Answer: (A)

Wurtz reaction uses sodium metal in dry ether.

Q35. Correct Answer: (C)

After 4 half-lives, remaining fraction is $\left(\frac{1}{2}\right)^4 = \frac{1}{16} = 6.25\%$.

Q36. Correct Answer: (A)

Tungsten (W) has the highest melting point among transition metals.

Q37. Correct Answer: (B)

Zeigler-Natta catalysts are used in polymerization of ethene.

Q38. Correct Answer: (A)

Helium behaves most ideally and follows van der Waals equation closely.

Q39. Correct Answer: (B)

The formal charge on nitrogen in NO_3^- is +1.

Q40. Correct Answer: (B)

BF_3 is an electron-deficient compound and acts as a Lewis acid.

Q41. Correct Answer: (B)

Formaldehyde undergoes Cannizzaro reaction because it lacks α -hydrogen.

Q42. Correct Answer: (A)

CN^- is an ambident nucleophile because it can attack through carbon or nitrogen.

Q43. Correct Answer: (B)

Al_2O_3 is amphoteric and reacts with both acids and bases.

Q44. Correct Answer: (C)

Molar conductivity increases with decrease in concentration due to greater ion mobility.

Q45. Correct Answer: (B)

Schottky defect decreases density because ions are missing from lattice sites.

Q46. Correct Answer: (C)

2,3-dichlorobutane has three stereoisomers including one meso form.

Q47. Correct Answer: (A)

Entropy is measured in J/K .

Q48. Correct Answer: (C)

$[\text{Fe}(\text{H}_2\text{O})_6]^{2+}$ is paramagnetic due to unpaired electrons.

Q49. Correct Answer: (B)

Friedel-Crafts reaction is an electrophilic substitution reaction.

Q50. Correct Answer: (C)

The reaction is third order overall: second order in NO and first order in O_2 .

Q51. Correct Answer: (B)

At the highest point, velocity becomes zero while acceleration due to gravity remains g downward.

Q52. Correct Answer: (C)

In uniform circular motion, velocity and centripetal acceleration are perpendicular.

Q53. Correct Answer: (B)

Moment of inertia about tangent axis is calculated using parallel axis theorem:

$$I = \frac{2}{5}MR^2 + MR^2 = \frac{7}{5}MR^2$$

Q54. Correct Answer: (A)

Acceleration due to gravity becomes half at depth $R/2$ below Earth's surface.

Q55. Correct Answer: (C)

Root mean square speed is proportional to $\sqrt{T}$.

Q56. Correct Answer: (C)

At resonance in an LCR circuit, voltage and current are in phase.

Q57. Correct Answer: (C)

If refractive indices become equal, the lens loses refracting power and focal length becomes infinite.

Q58. Correct Answer: (B)

Surface area of bubble becomes four times, so work done also becomes four times.

Q59. Correct Answer: (B)

Beta particles are most deflected due to their small mass and charge.

Q60. Correct Answer: (A)

In a step-up transformer, voltage increases and current decreases.

Q61. Correct Answer: (A)

De-Broglie wavelength is given by:

$$\lambda = \frac{h}{p}$$

Q62. Correct Answer: (B)

Potential inside a conducting sphere remains constant and equals surface potential.

Q63. Correct Answer: (D)

Thin and lightly doped base reduces recombination and increases transistor gain.

Q64. Correct Answer: (A)

For Carnot engine:

$$\eta = 1 - \frac{T_2}{T_1}$$

$$0.5 = 1 - \frac{300}{T_1}$$

$$T_1 = 600K = 327^\circ C$$

Q65. Correct Answer: (A)

Excess pressure inside a liquid drop is:

$$\frac{2T}{r}$$

Q66. Correct Answer: (B)

When light enters denser medium, its speed decreases.

Q67. Correct Answer: (A)

Internal resistance relation is:

$$V = E - Ir$$

Q68. Correct Answer: (B)

Photon energy is given by:

$$E = \frac{hc}{\lambda}$$

Q69. Correct Answer: (B)

Adiabatic process satisfies:

$$PV^\gamma = \text{constant}$$

Q70. Correct Answer: (C)

Braking distance is proportional to square of speed, so tripling speed increases distance by $3^2 = 9$ times.

Q71. Correct Answer: (C)

NAND gate is called a universal gate.

Q72. Correct Answer: (B)

Magnetic force is given by:

$$\vec{F} = q(\vec{v} \times \vec{B})$$

Q73. Correct Answer: (B)

At resonance, power factor becomes 1.

Q74. Correct Answer: (B)

Iron has maximum binding energy per nucleon.

Q75. Correct Answer: (B)

Resistance is proportional to length:

$$R' = \frac{R}{n}$$

Q76. Correct Answer: (A)

In indirect speech, present perfect tense changes to past perfect tense.

Q77. Correct Answer: (B)

"To be on the fence" means to be undecided or in a dilemma.

Q78. Correct Answer: (B)

"Exonerate" means to absolve someone from blame.

Q79. Correct Answer: (A)

The correct expression is "Hardly had he arrived when the bell rang."

Q80. Correct Answer: (A)

"Effervescent" is the correct spelling.

Q81. Correct Answer: (A)

The subject "teacher" is singular, so the correct verb is "has".

Q82. Correct Answer: (C)

The antonym of "Meticulous" is "Careless".

Q83. Correct Answer: (A)

The correct phrase is "died of cancer".

Q84. Correct Answer: (B)

"He was preparing the report" is in active voice.

Q85. Correct Answer: (C)

A person who loves humanity is called a humanitarian.

Q86. Correct Answer: (B)

A seismograph measures earthquake intensity and vibrations.

Q87. Correct Answer: (A)

The First Battle of Panipat was fought in 1526.

Q88. Correct Answer: (B)

The troposphere is the atmospheric layer closest to Earth.

Q89. Correct Answer: (B)

Chanakya wrote the Arthashastra.

Q90. Correct Answer: (B)

The Great Victoria Desert is located in Australia.

Q91. Correct Answer: (B)

The normal pH of human blood is approximately 7.4.

Q92. Correct Answer: (B)

The liver is the largest gland in the human body.

Q93. Correct Answer: (A)

The Suez Canal connects the Mediterranean Sea and the Red Sea.

Q94. Correct Answer: (A)

Justice M. Fathima Beevi was the first woman judge of the Supreme Court of India.

Q95. Correct Answer: (A)

Blue Revolution is associated with fisheries and fish production.

Q96. Correct Answer: (B)

Bengaluru is known as the Silicon Valley of India.

Q97. Correct Answer: (C)

The term "Grand Slam" is commonly used in tennis.

Q98. Correct Answer: (A)

Neon gas is commonly used in neon signs.

Q99. Correct Answer: (A)

World Environment Day is celebrated on June 5.

Q100. Correct Answer: (A)

The headquarters of ASEAN is located in Jakarta.