PGIMER B.SC PARAMEDICAL SAMPLE PAPER 06

A) Time Allowed: 1 Hour 30 Minutes.
B) Maximum Marks: 100
C) Total Questions: 100

General Instructions:

- This paper consists of five sections: Mathematics (25), Chemistry (25), Physics (25), English (10), and General Knowledge (15).
- Each question has four options (A, B, C, D), with only one correct answer.
- +1 mark is awarded for each correct answer and 0.25 marks are deducted for each incorrect answer.
- The question paper is available in English language only.

SECTION 1 : PHYSICS

Q1. A particle's position is given by

$$x(t) = 5t^2 - 3t + 2.$$

The instantaneous acceleration at $t = 2s$ is:
A) 5 m/s^2
B) 10 m/s^2
C) 20 m/s^2
D) 2 m/s^2

Q2. A shell of mass m explodes into two fragments of masses $m/3$ and $2m/3$. The ratio of their kinetic energies is:
A) 1:1
B) 2:1
C) 1:2
D) 4:1

Q3. The terminal velocity of a spherical body of radius r in a viscous fluid is proportional to:
A) r
B) r^2
C) $\sqrt{r}$
D) $1/r$

Q4. The ratio of RMS speed of H_2 to O_2 at the same temperature is:
A) 1:4
B) 4:1
C) 1:16
D) 16:1

Q5. A capacitor C is charged to voltage V. The energy density in the electric field is:
A) $\frac{1}{2}\epsilon_0 E^2$
B) $\epsilon_0 E^2$
C) $\frac{1}{2}\epsilon_0 E$
D) E^2/ϵ_0

Q6. The magnetic field due to a long straight wire at distance d is B. At distance $2d$, it is:
A) $B/2$
B) $2B$
C) $B/4$
D) $4B$

Q7. In a series RLC circuit, if R is doubled, the bandwidth:
A) Doubles
B) Halves
C) Remains same
D) Increases by $\sqrt{2}$

Q8. The critical angle for light moving from glass ($n = 1.5$) to water ($n = 1.33$) is:
A) $\sin^{-1}(1.33/1.5)$

B) $\sin^{-1}(1.5/1.33)$
C) $\tan^{-1}(1.33/1.5)$
D) 0

Q9. The stopping potential in photoelectric effect is independent of:
A) Intensity of light
B) Frequency
C) Work function
D) Metal type

Q10. The activity of a radioactive sample drops to 1/8th in 15 days. Half-life is:
A) 5 days
B) 7.5 days
C) 3 days
D) 10 days

Q11. The logic gate output for inputs A=1, B=0 in an XOR gate is:
A) 0
B) 1
C) 0.5
D) Undefined

Q12. The gravitational potential at the center of a solid sphere of mass M and radius R is:
A) $-GM/R$
B) $-3GM/2R$
C) $-GM/2R$
D) Zero

Q13. For a gas, $C_p - C_v = R$. For a van der Waals gas:
A) $C_p - C_v > R$
B) $C_p - C_v < R$
C) $C_p - C_v = R$
D) $C_p - C_v = 0$

Q14. The magnetic moment of an electron orbiting in a hydrogen atom is proportional to:
A) n
B) n^2
C) $1/n$
D) $\sqrt{n}$

Q15. The Young's modulus of a wire is Y. The energy stored per unit volume under stress σ is:
A) $\sigma^2/2Y$
B) $\sigma/2Y$
C) $2Y/\sigma^2$
D) $\sigma Y/2$

Q16. A lens with focal length f is cut in half perpendicular to the principal axis. The focal length of each half is:
A) f
B) $2f$

C) $f/2$
D) $f/4$

Q17. The velocity of an EM wave in a medium of ϵ_r and μ_r is:
A) $c/\sqrt{\mu_r\epsilon_r}$
B) $c\sqrt{\mu_r\epsilon_r}$
C) $c/\mu_r\epsilon_r$
D) $\mu_r\epsilon_r c$

Q18. The torque on a dipole p in field E is:
A) $p \times E$
B) $p \cdot E$
C) $E \times p$
D) pE

Q19. The time period of a simple pendulum in a satellite is:
A) Infinite
B) Zero
C) $2\pi\sqrt{L/g}$
D) T

Q20. The number of photons emitted per second by a 10 W bulb (500 nm) is:
A) $hc/\lambda P$
B) $P\lambda/hc$
C) $P/hc\lambda$
D) $P\lambda h/c$

Q21. In an adiabatic expansion of an ideal gas,

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

If volume doubles, pressure:
A) Decreases by 2^{γ}
B) Increases by 2^{γ}
C) Decreases by 2
D) Stays constant

Q22. The peak current in an AC circuit is I_0. The RMS current is:
A) $I_0/\sqrt{2}$
B) $I_0/2$
C) $I_0\sqrt{2}$
D) $2I_0$

Q23. The phase difference between displacement and acceleration in SHM is:
A) π
B) $\pi/2$
C) 0
D) 2π

Q24. The de-Broglie wavelength of an alpha particle and proton with same kinetic energy is:
A) Same

B) $\lambda_\alpha = \lambda_p/2\sqrt{2}$
C) $\lambda_\alpha = \sqrt{2}\lambda_p$
D) $\lambda_p = 2\lambda_\alpha$

Q25. The equivalent capacitance of two capacitors C connected in series is:
A) $C/2$
B) $2C$
C) C
D) C^2

SECTION 2 : CHEMISTRY

Q26. Which electronic configuration represents an excited state?
A) $1s^2 2s^2 2p^6$
B) $1s^2 2s^2 2p^5 3s^1$
C) $1s^2 2s^2 2p^4$
D) $1s^2 2s^1$

Q27. The bond angle in H_2O is $104.5°$. In H_2S, it is:
A) $> 104.5°$
B) $< 104.5°$
C) $104.5°$
D) $180°$

Q28. The molarity of 98% H_2SO_4 (density = 1.84 g/mL) is:
A) 18.4 M
B) 9.8 M
C) 1.8 M
D) 10 M

Q29. Which gas has the highest rate of diffusion?
A) H_2
B) He
C) CH_4
D) NH_3

Q30. The enthalpy of combustion of graphite is -393.5 kJ/mol. For diamond, it is:
A) > -393.5
B) < -393.5
C) -393.5
D) Zero

Q31. The order of reactivity of alkyl halides towards S_N2 is:
A) $1° > 2° > 3°$
B) $3° > 2° > 1°$
C) $1° > 3° > 2°$
D) All same

Q32. Which complex is inner orbital?
A) $[Fe(CN)_6]^{4-}$
B) $[Fe(H_2O)_6]^{2+}$
C) $[CoF_6]^{3-}$
D) $[MnCl_4]^{2-}$

Q33. The reaction

$$CH_3COCl + H_2Pd/BaSO_4 CH_3CHO + HCl$$

is:
A) Rosenmund reaction
B) Stephen reaction
C) Wolff-Kishner reduction
D) Clemmensen reduction

Q34. Which is a polyamide?
A) Nylon 6,6
B) Terylene
C) Bakelite
D) Buna-S

Q35. The entropy of vaporization of a liquid is 100 J K^{-1} mol^{-1}. If

$$\Delta H_{vap} = 30kJmol^{-1},$$

the boiling point is:
A) 300 K
B) 330 K
C) 273 K
D) 400 K

Q36. The number of structural isomers of C_4H_{10} is:
A) 2
B) 3
C) 4
D) 5

Q37. Which is a nucleophile?
A) BF_3
B) $AlCl_3$
C) NH_3
D) NO_2^+

Q38. The standard electrode potential of

$$Zn^{2+}/Zn = -0.76V$$

and

$$Cu^{2+}/Cu = +0.34V.$$

The value of E°_{cell} is:
A) 1.1 V
B) -0.42 V
C) 0.42 V
D) -1.1 V

Q39. The geometry of PCl_5 is:
A) Trigonal bipyramidal
B) Octahedral
C) Square planar
D) Tetrahedral

Q40. Borax bead test is used for identification of:
A) Transition metals
B) Alkali metals
C) Non-metals
D) Gases

Q41. In Freundlich adsorption isotherm, the slope of

$$\log(x/m) \; vs \; \log P$$

is:
A) $1/n$
B) n
C) k
D) n/k

Q42. The coordination number of Cl^- in NaCl crystal is:
A) 6
B) 4
C) 8
D) 12

Q43. Which of the following is a vitamin?
A) Ascorbic acid
B) Citric acid
C) Acetic acid
D) Palmitic acid

Q44. Zeolites are commonly used for:
A) Softening water
B) Purification
C) Drying
D) Heating

Q45. Which is the most acidic?
A) Phenol
B) Ethanol
C) p-nitrophenol
D) Methanol

Q46. Diels-Alder reaction is a:
A) [4+2] cycloaddition
B) Electrophilic substitution
C) Nucleophilic addition
D) Radical reaction

Q47. The half-life of a first-order reaction is 693 s. The rate constant is:
A) $10^{-3}\ s^{-1}$
B) $10^{-2}\ s^{-1}$
C) $0.693\ s^{-1}$
D) $10^{3}\ s^{-1}$

Q48. Electrolysis of aqueous NaCl produces at the cathode:
A) H_2
B) Na
C) Cl_2
D) O_2

Q49. The most common oxidation state of lanthanoids is:
A) +3
B) +2
C) +4
D) +1

Q50. A gold number of 0.001 indicates:
A) High protective power
B) Low protective power
C) No protective power
D) Neutral behavior

SECTION 3 : MATHEMATICS

Q51. The value of

$$\lim_{x \to 0} \frac{\sin x}{x}$$

is:
A) 1
B) 0
C) Undefined
D) ∞

Q52. The derivative of

$$\ln(x^2)$$

with respect to x is:
A) $2/x$
B) $1/x^2$
C) $1/x$
D) $2x$

Q53. The value of

$$\int_0^{\pi/2} \sin x \, dx$$

is:
A) 1
B) 0
C) -1
D) π

Q54. The slope of the tangent to

$$y = x^2$$

at $x = 2$ is:
A) 4
B) 2
C) 1
D) 0

Q55. The roots of

$$x^2 - 5x + 6 = 0$$

are:
A) 2, 3
B) 1, 6
C) -2, -3
D) 0, 5

Q56. The determinant of

$$(1)\,234$$

is:
A) -2

B) 2
C) 10
D) -10

Q57. If

$$A = (\,1\,)\,001,$$

then A^2 is:
A) I
B) A
C) 0
D) $2A$

Q58. The vector perpendicular to

$$\vec{a} = (1, 0, 0)$$

and

$$\vec{b} = (0, 1, 0)$$

is:
A) $(0, 0, 1)$
B) $(1, 1, 0)$
C) $(0, 0, -1)$
D) $(1, 0, 1)$

Q59. The sum of the infinite GP

$$1 + \frac{1}{2} + \frac{1}{4} + \cdots$$

is:
A) 2
B) 1
C) 1.5
D) ∞

Q60. The number of ways to arrange the letters of "APPLE" is:
A) 60
B) 120
C) 24
D) 30

Q61. The value of

$$i^2$$

(where $i = \sqrt{-1}$) is:
A) -1
B) 1
C) i
D) $-i$

Q62. The modulus of

$$3 + 4i$$

is:
A) 5
B) 7
C) 1
D) 25

Q63. The equation of a line with slope 1 and intercept 2 is:
A) $y = x + 2$
B) $y = 2x + 1$
C) $y = x - 2$
D) $x = y + 2$

Q64. The area of a triangle with vertices

$$(0, 0),\ (1, 0),\ (0, 1)$$

is:
A) 0.5
B) 1
C) 2
D) 0.25

Q65. The probability of getting a 6 on a fair die is:
A) $1/6$
B) $1/2$
C) 1
D) $5/6$

Q66.

$$\frac{d}{dx}(e^{3x})$$

is:
A) $3e^{3x}$
B) e^{3x}
C) e^{x}
D) xe^{3x}

Q67. The distance between

$$(1, 1)$$

and

$$(4, 5)$$

is:
A) 5
B) 3
C) 4
D) 7

Q68. The function

$$f(x) = x^2$$

is:
A) Even
B) Odd
C) Neither
D) Both

Q69.

$$\int e^x \, dx$$

is:
A) $e^x + C$
B) e^x
C) xe^x
D) e^{x+1}

Q70. The rank of the identity matrix

$$I_3$$

is:
A) 3
B) 1
C) 0
D) 2

Q71. The angle between vectors $\vec{i}$ and $\vec{j}$ is:
A) $90°$
B) $0°$
C) $180°$
D) $45°$

Q72. The number of subsets of the set

$$\{a, b, c\}$$

is:
A) 8
B) 3
C) 6
D) 9

Q73.

$$\log(ab)$$

is equal to:
A) $\log a + \log b$
B) $\log a \cdot \log b$
C) $\log a - \log b$
D) $b \log a$

Q74. The mean of

$$\{1, 2, 3, 4, 5\}$$

is:
A) 3
B) 2
C) 4
D) 2.5

Q75. The value of

$$\sin^2\theta + \cos^2\theta$$

is:
A) 1
B) 0
C) -1
D) 2

SECTION 4 : ENGLISH

Q76. Synonym of “Vindicate”:
A) Exonerate
B) Blame
C) Punish
D) Ignore

Q77. He is married _____ her.
A) to
B) with
C) by
D) for

Q78. Choose the correct spelling:
A) Embarass
B) Embarras
C) Embarrass
D) Embaras

Q79. “Wait” in “Wait here” is a:
A) Verb
B) Noun
C) Adjective
D) Adverb

Q80. Antonym of “Eloquent”:
A) Inarticulate
B) Fluent
C) Clear
D) Loud

Q81. If I _____ you, I would stop.
A) were
B) was
C) am
D) been

Q82. Passive of “He is writing” is:
A) Is being written
B) Is written
C) Was written
D) Is writing

Q83. Plural of “Focus” is:
A) Foci
B) Focuses
C) Focae
D) Focus

Q84. Antonym of “Eminent”:
A) Unknown
B) Famous
C) High
D) Great

Q85. The idiom “Under the weather” means:
A) Sick
B) Well
C) Outside
D) Happy

Q86. “Scarcely” is followed by:
A) When
B) Then
C) Than
D) Before

Q87. Synonym of “Meticulous”:
A) Careful
B) Careless
C) Fast
D) Rough

Q88. Choose the correct sentence:
A) One of the boys is here.
B) One of the boys are here.
C) One of the boy is here.
D) One of the boy are here.

Q89. Prefer coffee _____ tea.
A) to
B) than
C) over
D) with

Q90. Meaning of “Quid pro quo”:
A) Something for something
B) Free
C) Nothing
D) Exchange

SECTION 5 : GENERAL KNOWLEDGE

Q91. Capital of Canada:
A) Ottawa
B) Toronto
C) Vancouver
D) Montreal

Q92. Father of the Green Revolution:
A) Norman Borlaug
B) M.S. Swaminathan
C) Verghese Kurien
D) Homi Bhabha

Q93. World Water Day is observed on:
A) March 22
B) April 22
C) May 22
D) June 22

Q94. Parliament of Japan is called:
A) Diet
B) Duma
C) Knesset
D) Congress

Q95. The first Nobel Prize in Literature was awarded to:
A) Sully Prudhomme
B) Albert Einstein
C) Marie Curie
D) Niels Bohr

Q96. The Panama Canal connects:
A) Pacific Ocean and Atlantic Ocean
B) Mediterranean Sea and Red Sea
C) Pacific Ocean and Indian Ocean
D) Atlantic Ocean and Indian Ocean

Q97. The Constitution of India was drafted under the chairmanship of:
A) B.R. Ambedkar
B) Jawaharlal Nehru
C) Mahatma Gandhi
D) Sardar Patel

Q98. The smallest bone in the human body is:
A) Stapes
B) Femur
C) Tibia
D) Skull

Q99. The first woman Prime Minister of India was:
A) Indira Gandhi
B) Margaret Thatcher
C) Golda Meir
D) Sirimavo Bandaranaike

Q100. The Red Cross was founded in:
A) 1863
B) 1900
C) 1950
D) 1800

SOLUTIONS

Q1. **Answer: A**

Using the standard limit:

$$\lim_{x \to 0} \frac{\sin x}{x} = 1$$

Q2. **Answer: A**

$$y = \ln(x^2)$$

$$\frac{dy}{dx} = \frac{1}{x^2} \cdot 2x = \frac{2}{x}$$

Q3. **Answer: A**

$$\int_0^{\pi/2} \sin x \, dx = [-\cos x]_0^{\pi/2} = 0 - (-1) = 1$$

Q4. **Answer: A**

$$y = x^2$$

$$\frac{dy}{dx} = 2x$$

At $x = 2$:

$$\frac{dy}{dx} = 4$$

Q5. **Answer: A**

$$x^2 - 5x + 6 = (x - 2)(x - 3)$$

Roots are:

$$x = 2,\ 3$$

Q6. **Answer: A**

$$1234 = (1)(4) - (2)(3) = -2$$

Q7. **Answer: A**

Since A is the identity matrix:

$$A^2 = I$$

Q8. **Answer: A**

$$\vec{a} \times \vec{b} = \hat{i} \times \hat{j} = \hat{k} = (0, 0, 1)$$

Q9. **Answer: A**

For infinite GP:

$$S = \frac{a}{1 - r}$$

$$S = \frac{1}{1 - \frac{1}{2}} = 2$$

Q10. **Answer: A**
Number of arrangements:

$$\frac{5!}{2!} = \frac{120}{2} = 60$$

Q11. **Answer: A**

$$i^2 = -1$$

Q12. **Answer: A**

$$|3 + 4i| = \sqrt{3^2 + 4^2} = 5$$

Q13. **Answer: A**
Slope-intercept form:

$$y = mx + c$$

Given:

$$m = 1, \quad c = 2$$

Hence:

$$y = x + 2$$

Q14. **Answer: A**
Area:

$$\frac{1}{2} \times 1 \times 1 = 0.5$$

Q15. **Answer: A**
Probability:

$$P = \frac{1}{6}$$

Q16. **Answer: A**

$$\frac{d}{dx}(e^{3x}) = 3e^{3x}$$

Q17. **Answer: A**
Distance:

$$\sqrt{(4-1)^2 + (5-1)^2} = \sqrt{9+16} = 5$$

Q18. **Answer: A**

$$f(-x) = (-x)^2 = x^2 = f(x)$$

Hence even.

Q19. **Answer: A**

$$\int e^x \, dx = e^x + C$$

Q20. **Answer: A**
All three rows are linearly independent.

$$Rank(I_3) = 3$$

Q21. **Answer: A**
Unit vectors $\hat{i}$ and $\hat{j}$ are perpendicular.

$$\theta = 90^\circ$$

Q22. **Answer: A**
Number of subsets:

$$2^n = 2^3 = 8$$

Q23. **Answer: A**
Logarithm law:

$$\log(ab) = \log a + \log b$$

Q24. **Answer: A**
Mean:

$$\frac{1+2+3+4+5}{5} = 3$$

Q25. **Answer: A**
Identity:

$$\sin^2\theta + \cos^2\theta = 1$$

Q26. **Answer: A**
"Vindicate" means to clear from blame or exonerate.

Q27. **Answer: A**
Correct expression:

$$Heismarriedtoher.$$

Q28. **Answer: C**
The correct spelling is:

$$Embarrass$$

Q29. **Answer: A**
"Wait" expresses an action and functions as a verb.

Q30. **Answer: A**
"Inarticulate" means unable to express clearly and is the antonym of eloquent.

Q31. **Answer: A**
Subjunctive form:

$$IfIwereyou$$

Q32. **Answer: A**
Passive form:

$$Itisbeingwritten.$$

Q33. **Answer: A**
Plural of focus:

$$Foci$$

Q34. **Answer: A**
"Unknown" is the opposite of eminent.

Q35. **Answer: A**
"Under the weather" means feeling ill or sick.

Q36. **Answer: A**
The standard construction is:

$$Scarcely...when$$

Q37. **Answer: A**
"Meticulous" means very careful and precise.

Q38. **Answer: A**
Correct sentence:

$$Oneoftheboysishere.$$

Q39. **Answer: A**
Correct usage:

$$Prefercoffeetotea.$$

Q40. **Answer: A**
"Quid pro quo" means something given in return for something else.

Q41. **Answer: A**
Ottawa is the capital city of Canada.

Q42. **Answer: A**
Norman Borlaug is known as the Father of the Green Revolution.

Q43. **Answer: A**
World Water Day is observed on March 22.

Q44. **Answer: A**
Japan's parliament is known as the Diet.

Q45. **Answer: A**
Sully Prudhomme received the first Nobel Prize in Literature in 1901.

Q46. **Answer: A**
The Panama Canal connects the Pacific Ocean and Atlantic Ocean.

Q47. **Answer: A**
Dr. B.R. Ambedkar chaired the Drafting Committee of the Indian Constitution.

Q48. **Answer: A**
The stapes is the smallest bone in the human body.

Q49. **Answer: A**
Indira Gandhi was the first woman Prime Minister of India.

Q50. **Answer: A**
The International Red Cross was founded in:

1863

Q51. **Answer: A**
Mitochondria generate ATP through cellular respiration and are therefore known as the powerhouse of the cell.

Q52. **Answer: A**
DNA replication follows the semi-conservative model in which each daughter DNA molecule contains one parental strand and one newly synthesized strand.

Q53. **Answer: A**
Crossing over occurs during the pachytene stage of Prophase-I of meiosis.

Q54. **Answer: A**
The Fluid Mosaic Model was proposed by Singer and Nicolson in 1972.

Q55. **Answer: A**
Accumulation of potassium ions in guard cells causes water entry and opening of stomata.

Q56. **Answer: A**
Glycolysis occurs in the cytoplasm of the cell.

Q57. **Answer: A**
Bile salts emulsify fats into small droplets, increasing the surface area for enzyme action.

Q58. **Answer: A**
The sinoatrial (SA) node initiates the heartbeat and acts as the natural pacemaker of the heart.

Q59. **Answer: A**
Neurotransmitters are stored in synaptic vesicles present at nerve endings.

Q60. **Answer: A**
B-lymphocytes differentiate into plasma cells which produce antibodies.

Q61. **Answer: A**
Gout results from deposition of uric acid crystals in joints.

Q62. **Answer: A**
T-tubules are specialized membrane invaginations found in muscle fibers.

Q63. **Answer: A**
Epinephrine (adrenaline) is secreted by the adrenal medulla.

Q64. **Answer: A**
Calcitonin decreases blood calcium concentration by promoting calcium deposition in bones.

Q65. **Answer: A**
The Cori cycle involves muscles producing lactate and the liver converting it back into glucose.

Q66. **Answer: A**
Okazaki fragments are short DNA segments synthesized discontinuously on the lagging strand.

Q67. **Answer: A**
The Z-disc marks the boundary of a sarcomere in skeletal muscle.

Q68. **Answer: C**
The placenta functions in exchange of nutrients, gases, wastes and also secretes hormones.

Q69. **Answer: A**
Auxin primarily promotes cell elongation in plant tissues.

Q70. **Answer: A**
PCR uses the heat-stable enzyme Taq polymerase.

Q71. **Answer: A**
Restriction endonucleases recognize specific palindromic DNA sequences.

Q72. **Answer: A**
Rh incompatibility may cause erythroblastosis fetalis in newborn babies.

Q73. **Answer: A**
The hypothalamus regulates homeostasis including temperature, hunger, thirst and endocrine control.

Q74. **Answer: A**
Dystrophin deficiency is responsible for Duchenne muscular dystrophy.

Q75. **Answer: A**
Amniotic fluid cushions and protects the developing fetus.

Q76. **Answer: A**
"Vindicate" means to clear from blame or exonerate.

Q77. **Answer: A**
The correct expression is:

$$Heismarriedtoher.$$

Q78. **Answer: C**
The correct spelling is:

$$Embarrass$$

Q79. **Answer: A**
"Wait" is used as a verb because it denotes an action.

Q80. **Answer: A**
"Inarticulate" means unable to express oneself clearly and is the opposite of eloquent.

Q81. **Answer: A**
The correct subjunctive form is:

$$If I were you$$

Q82. **Answer: A**
Passive form:

$$It is being written.$$

Q83. **Answer: A**
The classical plural of focus is:

$$Foci$$

Q84. **Answer: A**
"Unknown" is the antonym of eminent.

Q85. **Answer: A**
The idiom "Under the weather" means feeling unwell or sick.

Q86. **Answer: A**
The standard construction is:

$$Scarcely \ldots when$$

Q87. **Answer: A**
"Meticulous" means very careful and attentive to detail.

Q88. **Answer: A**
"One" is singular; therefore:

$$One of the boys is here.$$

Q89. **Answer: A**
The correct phrase is:

$$Prefer coffee to tea.$$

Q90. **Answer: A**
"Quid pro quo" means something given in exchange for something else.

Q91. **Answer: A**
Ottawa is the capital city of Canada.

Q92. **Answer: A**
Norman Borlaug is known as the Father of the Green Revolution.

Q93. **Answer: A**
World Water Day is observed every year on March 22.

Q94. **Answer: A**
The national parliament of Japan is called the Diet.

Q95. **Answer: A**
Sully Prudhomme received the first Nobel Prize in Literature in 1901.

Q96. **Answer: A**
The Panama Canal connects the Pacific Ocean and the Atlantic Ocean.

Q97. **Answer: A**
Dr. B.R. Ambedkar chaired the Drafting Committee of the Indian Constitution.

Q98. **Answer: A**
The stapes, located in the middle ear, is the smallest bone in the human body.

Q99. **Answer: A**
Indira Gandhi was the first woman Prime Minister of India.

Q100. **Answer: A**
The International Red Cross was founded in:

1863