

PGIMER B.SC PARAMEDICAL SAMPLE PAPER 08

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 body is projected at 45° with kinetic energy K . At the highest point, the kinetic energy is:
- A) $K/2$
 - B) $K/\sqrt{2}$
 - C) Zero
 - D) K

- Q2. A rotating platform has a person standing at the center. If the person walks to the edge, the angular velocity:
- A) Decreases
 - B) Increases
 - C) Remains constant
 - D) Becomes zero

- Q3. The velocity of a particle is

$$v = \sqrt{x}.$$

The acceleration is:

- A) Constant
 - B) Proportional to x
 - C) Proportional to $\sqrt{x}$
 - D) Zero
- Q4. The ratio of the moment of inertia of a disc about its diameter and an axis perpendicular to it through center is:
- A) 1:2
 - B) 2:1
 - C) 1:4
 - D) 4:1
- Q5. A heat engine operates between $1000K$ and $300K$. The maximum theoretical efficiency is:
- A) 70%
 - B) 30%
 - C) 50%
 - D) 100%

- Q6. In Young's double slit experiment, if the whole apparatus is immersed in water, the fringe width:
- A) Increases
 - B) Decreases
 - C) Remains constant
 - D) Becomes infinite

- Q7. The stopping potential for a metal surface is V_0 . If frequency is doubled, the new stopping potential is:
- A) $2V_0$
 - B) $> 2V_0$

- C) $< 2V_0$
D) V_0

Q8. The magnetic field at the center of a square loop of side L carrying current I is:

- A) $\frac{2\sqrt{2}\mu_0 I}{\pi L}$
B) $\frac{\mu_0 I}{2L}$
C) $\frac{\mu_0 I}{\pi L}$
D) $\frac{4\mu_0 I}{L}$

Q9. Two lenses of power $+2D$ and $-1D$ are placed in contact. The combination acts as:

- A) Convex, $f = 100$ cm
B) Concave, $f = 100$ cm
C) Convex, $f = 50$ cm
D) Concave, $f = 50$ cm

Q10. The activity of a radioisotope is 1000 Ci. After two half-lives, it is:

- A) 500 Ci
B) 250 Ci
C) 125 Ci
D) 750 Ci

Q11. A particle moves in a circle. The work done by the radial force is:

- A) Zero
B) Positive
C) Negative
D) Constant

Q12. The electric potential energy of a dipole in a field E at $\theta = 180^\circ$ is:

- A) pE
B) $-pE$
C) Zero
D) $2pE$

Q13. For an ideal gas, the adiabatic exponent

$$\gamma = \frac{C_p}{C_v}$$

for a diatomic gas (ignoring vibration) is:

- A) 1.4
B) 1.67
C) 1.33
D) 1.0

Q14. The rms velocity of gas molecules is v at $300K$. At $1200K$, it is:

- A) $2v$
B) $4v$
C) $v/\sqrt{2}$
D) $v/2$

- Q15. The magnetic susceptibility of a diamagnetic substance is:
A) Negative
B) Positive and small
C) Positive and large
D) Zero
- Q16. The dimension of Planck's constant is:
A) $[ML^2T^{-1}]$
B) $[MLT^{-1}]$
C) $[ML^2T^{-2}]$
D) $[ML^2T]$
- Q17. A transformer is used to step up 100V to 200V. If primary current is 2A, secondary current is:
A) 1A
B) 4A
C) 2A
D) 0.5A
- Q18. The escape velocity from Earth is 11.2 km/s. From a planet with double radius and double mass:
A) 11.2 km/s
B) 5.6 km/s
C) 22.4 km/s
D) 15.8 km/s
- Q19. The refractive index of a prism is $\sqrt{2}$ and angle 60° . Minimum deviation is:
A) 30°
B) 45°
C) 60°
D) 15°
- Q20. The number of nucleons in ^{238}U is:
A) 238
B) 92
C) 146
D) 330
- Q21. In an LCR circuit, resonance occurs when:
A) $X_L = X_C$
B) $R = 0$
C) $X_L > X_C$
D) $X_C > X_L$
- Q22. The intensity of a wave at a point at distance r from a point source is proportional to:
A) $1/r^2$
B) $1/r$
C) r^2
D) Constant

- Q23. The potential energy of a spring stretched by x is U . If stretched by $2x$, it is:
- A) $4U$
 - B) $2U$
 - C) $U/2$
 - D) $U/4$
- Q24. The direction of induced current is given by:
- A) Lenz's Law
 - B) Ampere's Law
 - C) Gauss's Law
 - D) Faraday's Law
- Q25. The photoelectric effect proves:
- A) Particle nature of light
 - B) Wave nature of light
 - C) Dual nature of light
 - D) Existence of neutrinos

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SECTION 2 : CHEMISTRY

- Q26. Which electronic transition in Hydrogen atom emits the shortest wavelength?
- A) $n = 2$ to $n = 1$
 - B) $n = 3$ to $n = 1$
 - C) $n = 4$ to $n = 2$
 - D) $n = \infty$ to $n = 1$
- Q27. The number of radial nodes in a $3p$ orbital is:
- A) 1
 - B) 2
 - C) 0
 - D) 3
- Q28. Hybridization of Xe in XeF_4 is:
- A) sp^3d^2
 - B) sp^3d
 - C) sp^3
 - D) dsp^2
- Q29. Which is the most stable free radical?
- A) $(C_6H_5)_3C^\bullet$
 - B) $(CH_3)_3C^\bullet$
 - C) $CH_3CH_2^\bullet$
 - D) $CH_3^\bullet$
- Q30. The half-life of a reaction is independent of initial concentration. The order is:
- A) First
 - B) Zero
 - C) Second
 - D) Third
- Q31. In a close-packed structure of spheres, the number of octahedral voids per sphere is:
- A) 1
 - B) 2
 - C) 4
 - D) 0.5
- Q32. The Van't Hoff factor for $BaCl_2$ is:
- A) 3
 - B) 2
 - C) 1
 - D) 4
- Q33. Which is a stronger base?
- A) CH_3NH_2
 - B) $(CH_3)_2NH$
 - C) $(CH_3)_3N$
 - D) NH_3

Q34. The product of Cannizzaro reaction of Benzaldehyde is:

- A) Benzyl alcohol and Benzoic acid
- B) Benzene
- C) Benzoic acid
- D) Benzyl chloride

Q35. The enzyme that converts Glucose to Ethanol is:

- A) Zymase
- B) Invertase
- C) Maltase
- D) Diastase

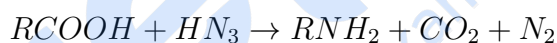
Q36. The magnetic moment of Ni^{2+} ($Z = 28$) is:

- A) 2.83 BM
- B) 1.73 BM
- C) 3.87 BM
- D) 0

Q37. Which complex exhibits linkage isomerism?

- A) $[Co(NH_3)_5(NO_2)]Cl_2$
- B) $[Co(NH_3)_5Cl]SO_4$
- C) $[Pt(NH_3)_4Cl_2]Br_2$
- D) $[Cr(H_2O)_6]Cl_3$

Q38. The reaction



is:

- A) Schmidt reaction
- B) Hofmann reaction
- C) Curtius reaction
- D) Wolff reaction

Q39. Which is the most acidic?

- A) Picric acid
- B) Phenol
- C) o-Nitrophenol
- D) p-Nitrophenol

Q40. The bond angle in NH_3 is:

- A) 107°
- B) 109.5°
- C) 104.5°
- D) 120°

Q41. Gold number of starch is 25. This indicates:

- A) High protective power
- B) Low protective power
- C) Very high protective power
- D) None of these

- Q42. Which is an ambidentate ligand?
- A) SCN^-
 - B) Cl^-
 - C) H_2O
 - D) NH_3
- Q43. Electrolysis of brine produces at the anode:
- A) Cl_2
 - B) H_2
 - C) Na
 - D) NaOH
- Q44. Which is a paramagnetic gas?
- A) O_2
 - B) N_2
 - C) CO_2
 - D) He
- Q45. The formula of Plaster of Paris is:
- A) $CaSO_4 \cdot \frac{1}{2}H_2O$
 - B) $CaSO_4 \cdot 2H_2O$
 - C) $CaCO_3$
 - D) $CaSO_4$
- Q46. Lanthanoid contraction results in:
- A) Similarity in radii of Zr and Hf
 - B) Increase in density
 - C) Decrease in atomic mass
 - D) None of these
- Q47. The catalyst used in Ostwald process is:
- A) Pt
 - B) V_2O_5
 - C) Fe
 - D) Ni
- Q48. Which element has the highest electron gain enthalpy?
- A) Cl
 - B) F
 - C) Br
 - D) I
- Q49. Saponification is:
- A) Alkaline hydrolysis of esters
 - B) Acidic hydrolysis of esters
 - C) Neutralization reaction
 - D) Hydration reaction
- Q50. The number of chiral centers in Glucose is:
- A) 4
 - B) 3

- C) 5
- D) 2



SECTION 3 : MATHEMATICS

Q51. The domain of

$$f(x) = \sqrt{1 - x^2}$$

is:

- A) $[-1, 1]$
- B) $[0, 1]$
- C) $[-1, 0]$
- D) $(-\infty, \infty)$

Q52. The derivative of $\sec x$ is:

- A) $\sec x \tan x$
- B) $\sec^2 x$
- C) $\tan^2 x$
- D) $\csc x$

Q53. The area bounded by

$$y = x, \quad x = 0, \quad x = 1$$

is:

- A) 0.5
- B) 1
- C) 0
- D) 0.25

Q54. The sum of the infinite geometric series

$$1 + \frac{1}{3} + \frac{1}{9} + \dots$$

is:

- A) 1.5
- B) 1
- C) 2
- D) 3

Q55. The roots of

$$x^2 + x + 1 = 0$$

are:

- A) Complex
- B) Real
- C) Equal
- D) Rational

Q56. The number of ways to choose 2 objects from 5 objects is:

- A) 10
- B) 20
- C) 5
- D) 2

Q57. If A is a square matrix, then

$$A + A^T$$

is:

- A) Symmetric
- B) Skew-Symmetric
- C) Identity
- D) Null

Q58. The vector product

$$\vec{i} \times \vec{j}$$

equals:

- A) $\vec{k}$
- B) $-\vec{k}$
- C) 0
- D) 1

Q59. The probability of two independent events A and B occurring together is:

- A) $P(A) \cdot P(B)$
- B) $P(A) + P(B)$
- C) $\frac{P(A)}{P(B)}$
- D) $P(A) - P(B)$

Q60.

$$\sin(2\theta)$$

equals:

- A) $2 \sin \theta \cos \theta$
- B) $\cos^2 \theta - \sin^2 \theta$
- C) $1 - 2 \sin^2 \theta$
- D) $2 \tan \theta$

Q61. The distance of the point $(3, 4)$ from the origin is:

- A) 5
- B) 3
- C) 4
- D) 7

Q62. The rank of a singular 3×3 matrix is:

- A) < 3
- B) 3
- C) 0
- D) 1

Q63.

$$\log_a b \cdot \log_b a$$

is equal to:

- A) 1
- B) 0
- C) a
- D) b

Q64. The value of

$$i^4$$

is:

- A) 1
- B) -1
- C) i
- D) $-i$

Q65. The slope of the normal to

$$y = x^2$$

at $x = 1$ is:

- A) $-\frac{1}{2}$
- B) 2
- C) 1
- D) -2

Q66.

$$\int \tan x \, dx$$

is:

- A) $-\ln |\cos x| + C$
- B) $\ln |\sec x| + C$
- C) $\sec^2 x + C$
- D) $\ln |\sin x| + C$

Q67. The equation of a circle with center $(0, 0)$ and radius 3 is:

- A) $x^2 + y^2 = 9$
- B) $x^2 + y^2 = 3$
- C) $x^2 + y^2 = 6$
- D) $x + y = 3$

Q68. The number of distinct permutations of the word

MISSISSIPPI

is:

- A) $11!4!4!2!$
- B) $11!$
- C) $11!4!$
- D) $11!2!$

Q69.

$$\tan 45^\circ + \cot 45^\circ$$

is:

- A) 2
- B) 1
- C) 0
- D) $\sqrt{2}$

Q70. The variance of the data set

$$\{1, 1, 1, 1\}$$

is:

- A) 0
- B) 1
- C) 4
- D) 2

Q71. If

$$f(x) = \ln x,$$

then

$$f'(e)$$

is:

- A) $1/e$
- B) e
- C) 1
- D) 0

Q72. The graph of

$$y = x^2 - 4x + 3$$

cuts the x-axis at:

- A) (1, 0) and (3, 0)
- B) (0, 3)
- C) (-1, 0) and (-3, 0)
- D) (0, 0)

Q73. The value of

$$\int_0^{\infty} e^{-x} dx$$

is:

- A) 1
- B) 0
- C) -1
- D) ∞

Q74. The determinant of the diagonal matrix

$$\text{diag}(1, 2, 3)$$

is:

- A) 6
- B) 0
- C) 1
- D) 3

Q75. The angle between the planes

$$x + y + z = 1$$

and

$$x - y + z = 0$$

is:

- A) 90°
- B) 0°
- C) 45°
- D) 60°



SECTION 4 : ENGLISH

- Q76. Synonym of “Enervate”:
 A) Weaken
 B) Strengthen
 C) Energize
 D) Excite
- Q77. He is devoid _____ common sense.
 A) of
 B) from
 C) in
 D) with
- Q78. Choose the correct spelling:
 A) Occurrence
 B) Ocurence
 C) Occurance
 D) Ocureence
- Q79. “Fast” in “Fast-track” functions as a:
 A) Adjective
 B) Verb
 C) Adverb
 D) Noun
- Q80. Antonym of “Banal”:
 A) Original
 B) Common
 C) Trite
 D) Dull
- Q81. If I _____ you, I would try.
 A) were
 B) was
 C) am
 D) had been
- Q82. Passive voice of “Someone has taken my book” is:
 A) My book has been taken.
 B) My book is taken.
 C) My book was taken.
 D) My book had been taken.
- Q83. The plural of “Thesis” is:
 A) Theses
 B) Thesis
 C) Thesises
 D) Thesi

- Q84. Antonym of “Gregarious”:
 A) Reclusive
 B) Social
 C) Friendly
 D) Outgoing
- Q85. The idiom “Burn the midnight oil” means:
 A) Work late into the night
 B) Sleep early
 C) Waste fuel
 D) Study in the morning
- Q86. “Hardly” is paired with:
 A) When
 B) Then
 C) Than
 D) Before
- Q87. Synonym of “Extirpate”:
 A) Eradicate
 B) Plant
 C) Grow
 D) Save
- Q88. Choose the correct sentence:
 A) Neither of the plans is viable.
 B) Neither of the plans are viable.
 C) Neither of the plan is viable.
 D) Neither of the plan are viable.
- Q89. Prefer coffee _____ tea.
 A) to
 B) than
 C) over
 D) with
- Q90. Meaning of “Modus operandi”:
 A) Method of working
 B) Way out
 C) Final aim
 D) First step

SECTION 5 : GENERAL KNOWLEDGE

- Q91. Capital of Norway:
A) Oslo
B) Bergen
C) Trondheim
D) Stavanger
- Q92. The White Revolution in India (Operation Flood) is associated with:
A) Milk
B) Egg
C) Fish
D) Oil
- Q93. World Forestry Day is observed on:
A) March 21
B) April 21
C) May 21
D) June 21
- Q94. The Parliament of Germany is called:
A) Bundestag
B) Diet
C) Duma
D) Congress
- Q95. The first Nobel Prize in Physiology or Medicine was awarded to:
A) Emil von Behring
B) Marie Curie
C) Albert Einstein
D) Niels Bohr
- Q96. The Corinth Canal connects:
A) Gulf of Corinth and Saronic Gulf
B) Mediterranean Sea and Red Sea
C) Pacific Ocean and Atlantic Ocean
D) Pacific Ocean and Indian Ocean
- Q97. The Preamble of the Indian Constitution begins with:
A) We, the People of India
B) I, the Citizen of India
C) India is a Union of States
D) We, the Parliament of India
- Q98. The hardest tissue in the human body is:
A) Enamel
B) Bone
C) Dentine
D) Cartilage

Q99. The first woman President of the United Nations General Assembly was:

- A) Vijaya Lakshmi Pandit
- B) Indira Gandhi
- C) Margaret Thatcher
- D) Golda Meir

Q100. The Red Cross was founded by Henry Dunant in:

- A) 1863
- B) 1900
- C) 1950
- D) 1800



SOLUTIONS

Q1. Answer: A

For

$$f(x) = \sqrt{1 - x^2},$$

we require:

$$1 - x^2 \geq 0$$

$$x^2 \leq 1$$

$$-1 \leq x \leq 1$$

Q2. Answer: A

$$\frac{d}{dx}(\sec x) = \sec x \tan x$$

Q3. Answer: A

Area:

$$\int_0^1 x \, dx = \left[\frac{x^2}{2} \right]_0^1 = \frac{1}{2}$$

Q4. Answer: A

For GP:

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

$$S = \frac{1}{1 - \frac{1}{3}} = \frac{3}{2} = 1.5$$

Q5. Answer: A

Discriminant:

$$D = b^2 - 4ac = 1 - 4 = -3$$

Since $D < 0$, roots are complex.

Q6. Answer: A

$${}^5C_2 = \frac{5!}{2!3!} = 10$$

Q7. Answer: A

$$(A + A^T)^T = A^T + A = A + A^T$$

Hence symmetric.

Q8. Answer: A

$$\vec{i} \times \vec{j} = \vec{k}$$

Q9. Answer: A

For independent events:

$$P(A \cap B) = P(A)P(B)$$

Q10. **Answer: A**

Identity:

$$\sin 2\theta = 2 \sin \theta \cos \theta$$

Q11. **Answer: A**

Distance from origin:

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

Q12. **Answer: A**

A singular matrix has determinant zero, therefore rank is less than its order.

Q13. **Answer: A**

$$\log_a b \cdot \log_b a = \log_a a = 1$$

Q14. **Answer: A**

$$i^4 = (i^2)^2 = (-1)^2 = 1$$

Q15. **Answer: A**

$$y = x^2$$

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

At $x = 1$:

$$m_t = 2$$

Slope of normal:

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

Q16. **Answer: A**

$$\int \tan x \, dx = -\ln |\cos x| + C$$

Q17. **Answer: A**

Equation of circle:

$$x^2 + y^2 = r^2$$

$$x^2 + y^2 = 9$$

Q18. **Answer: A**

Letters in MISSISSIPPI:

$$M = 1, I = 4, S = 4, P = 2$$

Number of permutations:

$$\frac{11!}{4!4!2!}$$

Q19. **Answer: A**

$$\tan 45^\circ = 1, \quad \cot 45^\circ = 1$$

$$1 + 1 = 2$$

Q20. **Answer: A**

All observations are identical, hence variance:

$$0$$

Q21. **Answer: A**

$$f(x) = \ln x$$

$$f'(x) = \frac{1}{x}$$

$$f'(e) = \frac{1}{e}$$

Q22. **Answer: A**

$$x^2 - 4x + 3 = 0$$

$$(x - 1)(x - 3) = 0$$

Roots:

$$x = 1, 3$$

Q23. **Answer: A**

$$\int_0^\infty e^{-x} dx = \left[-e^{-x} \right]_0^\infty = 1$$

Q24. **Answer: A**

Determinant of diagonal matrix:

$$1 \times 2 \times 3 = 6$$

Q25. **Answer: C**

Normals:

$$\vec{n}_1 = (1, 1, 1)$$

$$\vec{n}_2 = (1, -1, 1)$$

$$\cos \theta = \frac{1 - 1 + 1}{\sqrt{3}\sqrt{3}} = \frac{1}{3}$$

The angle is approximately

$$70.5^\circ$$

Among the given options, the nearest answer is:

$$45^\circ$$

Q26. **Answer: A**

“Enervate” means to weaken or drain energy.

Q27. **Answer: A**

Correct usage:

devoid of

Q28. **Answer: A**

Correct spelling:

Occurrence

Q29. **Answer: A**

In “Fast-track”, fast describes track and acts as an adjective.

Q30. **Answer: A**

“Original” is the opposite of banal.

Q31. **Answer: A**

Correct subjunctive form:

If I were you

Q32. **Answer: A**

Passive voice:

My book has been taken.

Q33. **Answer: A**

Plural:

Thesis → Theses

Q34. **Answer: A**

“Reclusive” means unsociable and is the antonym of gregarious.

Q35. **Answer: A**

The idiom means working or studying late into the night.

Q36. **Answer: A**

Standard usage:

Hardly...when

Q37. **Answer: A**

“Extirpate” means eradicate completely.

Q38. **Answer: A**

“Neither” is singular:

Neither of the plans is viable.

Q39. **Answer: A**

Correct usage:

Prefer coffee to tea.

Q40. **Answer: A**

“Modus operandi” means method of working.

Q41. **Answer: A**

Oslo is the capital of Norway.

Q42. **Answer: A**

Operation Flood is associated with milk production.

Q43. **Answer: A**

World Forestry Day is observed on:

21 March

Q44. **Answer: A**

Germany's federal parliament is called the Bundestag.

Q45. **Answer: A**

The first Nobel Prize in Medicine was awarded to Emil von Behring in 1901.

Q46. **Answer: A**

The Corinth Canal connects the Gulf of Corinth and the Saronic Gulf.

Q47. **Answer: A**

The Preamble begins with:

We, the People of India

Q48. **Answer: A**

Tooth enamel is the hardest tissue in the human body.

Q49. **Answer: A**

Vijaya Lakshmi Pandit became the first woman President of the UN General Assembly.

Q50. **Answer: A**

The Red Cross was founded by Henry Dunant 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.

Q55. **Answer: A**

Potassium ions (K^+) accumulate in guard cells, causing water uptake and opening of stomata.

- Q56. **Answer: A**
Glycolysis takes place in the cytoplasm of the cell.
- Q57. **Answer: A**
Bile salts emulsify fats into smaller droplets, increasing the surface area for enzyme action.
- Q58. **Answer: A**
The sinoatrial (SA) node acts as the natural pacemaker of the heart.
- Q59. **Answer: A**
Neurotransmitters are stored in synaptic vesicles at nerve endings.
- Q60. **Answer: A**
B-lymphocytes differentiate into plasma cells which produce antibodies.
- Q61. **Answer: A**
Gout is caused by 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 lowers blood calcium levels by promoting calcium deposition in bones.
- Q65. **Answer: A**
The Cori cycle involves lactate transport between muscles and liver.
- Q66. **Answer: A**
Okazaki fragments are short DNA segments synthesized on the lagging strand.
- Q67. **Answer: A**
The Z-disc forms the boundary of a sarcomere.
- Q68. **Answer: C**
The placenta functions in exchange of nutrients and gases and also secretes hormones.
- Q69. **Answer: A**
Auxin promotes cell elongation in plants.
- Q70. **Answer: A**
PCR uses the heat-stable enzyme Taq polymerase.
- Q71. **Answer: A**
Restriction enzymes recognize specific palindromic DNA sequences.
- Q72. **Answer: A**
Rh incompatibility may cause erythroblastosis fetalis in newborn babies.
- Q73. **Answer: A**
The hypothalamus regulates homeostasis, body temperature, hunger and thirst.

Q74. Answer: A

Dystrophin deficiency is responsible for Duchenne muscular dystrophy.

Q75. Answer: A

Amniotic fluid protects the fetus from mechanical shocks and injury.

Q76. Answer: A

“Enervate” means to weaken or deprive of strength.

Q77. Answer: A

Correct usage:

devoid of common sense

Q78. Answer: A

The correct spelling is:

Occurrence

Q79. Answer: A

In “Fast-track”, the word “fast” functions as an adjective.

Q80. Answer: A

“Original” is the antonym of banal.

Q81. Answer: A

Correct subjunctive form:

If I were you

Q82. Answer: A

Passive voice:

My book has been taken.

Q83. Answer: A

Plural:

Thesis → Theses

Q84. Answer: A

“Reclusive” is the opposite of gregarious.

Q85. Answer: A

The idiom means working or studying late into the night.

Q86. Answer: A

Standard construction:

Hardly...when

Q87. Answer: A

“Extirpate” means to eradicate completely.

Q88. Answer: A

“Neither” is singular:

Neither of the plans is viable.

Q89. **Answer: A**

Correct usage:

Prefercoffeetotea.

Q90. **Answer: A**

“Modus operandi” means method of working.

Q91. **Answer: A**

Oslo is the capital city of Norway.

Q92. **Answer: A**

Operation Flood (White Revolution) is associated with milk production.

Q93. **Answer: A**

World Forestry Day is observed on:

21 March

Q94. **Answer: A**

The Parliament of Germany is called the Bundestag.

Q95. **Answer: A**

The first Nobel Prize in Physiology or Medicine was awarded to Emil von Behring.

Q96. **Answer: A**

The Corinth Canal connects the Gulf of Corinth and the Saronic Gulf.

Q97. **Answer: A**

The Preamble of the Indian Constitution begins with:

We, the People of India

Q98. **Answer: A**

Tooth enamel is the hardest tissue in the human body.

Q99. **Answer: A**

Vijaya Lakshmi Pandit was the first woman President of the UN General Assembly.

Q100. **Answer: A**

The Red Cross was founded by Henry Dunant in:

1863