## FIITJEE Admission Test

#### for students presently in Class 9 (Paper 1)

Time: 3 Hours (9:00 am – 12:00 pm)

**CODE: 910-1** 

Maximum Marks: 266

#### Instructions:

Caution: Class, Paper, Code as given above MUST be correctly marked on the answer OMR sheet before attempting the paper. Wrong Class, Paper or Code will give wrong results.

- 1. You are advised to devote 60 Minutes on Section-I, 45 Minutes on Section-II, 30 Minutes on Section-III and 45 Minutes on Section-IV.
- 2. This Question paper consists of 4 sections. Marking scheme is given in table below:

Section	ction Subject		Question no.	Marking Scheme for each question		
Occilon			Question no.	Correct answer	Wrong answer	
SECTION - I	APTITUDE TEST		1 to 30	+3	0	
	PHYSICS	(PART-A)	31 to 39	+2	0	
SECTION - II	CHEMISTRY	(PART-B)	40 to 48	+2	0	
3ECTION - II	MATHEMATICS	(PART-C)	49 to 57	+2	0	
	BIOLOGY	(PART-D)	58 to 66	+2	0	
	PHYSICS	(PART-A)	67 to 72	+1	0	
SECTION - III	CHEMISTRY	(PART-B)	73 to 78	+1	0	
SECTION - III	MATHEMATICS	(PART-C)	79 to 84	+1	0	
	BIOLOGY	(PART-D)	85 to 90	+1	0	
	PHYSICS	(PART-A)	91 to 94	+4	<b>-1</b>	
SECTION - IV	CHEMISTRY	(PART-B)	95 to 98	+4	<b>-1</b>	
	MATHEMATICS	(PART-C)	99 to 102	+4	<b>-1</b>	
	BIOLOGY	(PART-D)	103 to 110	+4	<b>-1</b>	

- 3. Answers have to be marked on the OMR sheet. The Question Paper contains blank spaces for your rough work. No additional sheets will be provided for rough work.
- 4. Blank papers, clip boards, log tables, slide rule, calculator, cellular phones, pagers and electronic devices, in any form, are not allowed.
- 5. Before attempting paper write your OMR Answer Sheet No., Registration Number, Name and Test Centre in the space provided below.

Note: Please check this Question Paper contains all 110 questions in serial order. If not so, exchange for the correct Question Paper.

OMR Answer Sheet No.	. :
Registration Number	<b>:</b>
Name of the Candidate	<b>:</b>
Test Centre	<b>:</b>

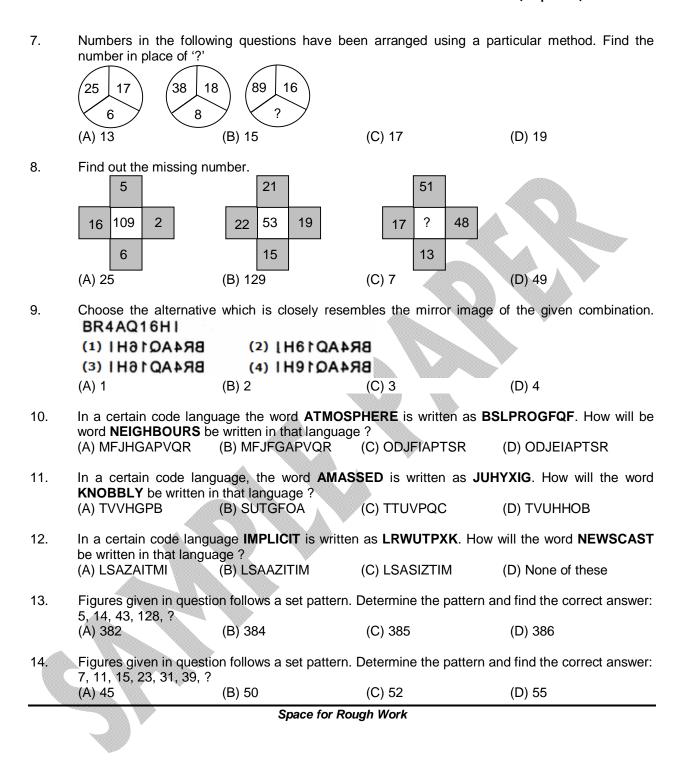
#### Recommended Time: 60 Minutes for Section - I

## Section - I

#### **APTITUDE TEST**

This section contains 30 Multiple Choice Questions number 1 to 30. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE is correct.

		Space for Rou	iah Work	
	21, 25, 33, 49, 81, (A) 145	(B) 129	(C) 113	(D) 97
6.	pattern and replace the	question mark in the give		nat will continue the same
5.	contractor allowed A to	work for 5 days, then al		dot work in 16 days. The ys, After this C completed standoff. (D) 12
_	(A) $2\frac{6}{7}$ minutes	(B) 4 minutes	(C) 2 minutes	(D) $3\frac{1}{3}$ minutes
4.	pipe having twice of its tank will be filled in:			st pipe is changed with a second's radius. Now the
	to get 3760 Rs. ? (A) 8	(B) 6	(C) 9	(D) 10
3.				and 7 women after doing Women can do the work
2.	The average of 20 num (A) 0	bers is zero. Of them, at (B) 1	t the most, how many ma (C) 10	y be greater than zero? (D) 19
1.	Find the next term in th 240, 332, 118, 168, 57, (A) 28.5		(C) 27	(D) 34.5



#### SAMPLE PAPER-AT-2324-C-IX (Paper-1)-AT+S&M-4

15.	Figures given in question follows a set pattern. Determine the pattern and find the correct answer: 5, 8, 13, 21, ?, 55, 89						
	(A) 32	(B) 34	(C) 36	(D) 38			
16.	In a certain code GARN (A) ENGOIUS	IISH is written as RAGH (B) NEGIOUS	SIN. How will GENIOUS (C) NGEOISU	be written in that code? (D) GENOISU			
17.	In a certain code RESP in that code?	ONSES is written as ES	RONPESS, then how ca	n SIGNATURE be written			
	(A) ERUTANGIS	(B) GISTANERU	(C) IGSATNREU	(D) ISNGTARUE			
18.	If MONKO is coded as (A) 32456	57637, then how KLJMN (B) 34256	be coded in the same c (C) 35156	ode? (D) 32546			
19.		ouse and walks 10 feet to feet. How far is he from (B) 5 feet		nd walks 3 feet. Again he (D) 42 feet			
	,	. ,	` '	``			
20.	walking 30m, my friend right again and comes same speed, what is the	turns left and goes 10m back to the road on whe distance between us a	, then he turns right and nich he had started walk t this point of time?	places 100m apart. After goes 20 m and then turns king. If we walk with the			
	(A) 50 m	(B) 20 m	(C) 30 m	(D) 40 m			
21.	15 minutes and C in 24	minutes. If they divide the	assignment. A can type a ne task into three parts so s the number of pages, the (C) 154				
22.	many days, B alone car	finish the whole work?	ess than B takes to do the				
	(A) 15	(B) 10	(C) 9	(D) 8			
23.	Select from the answer the question mark.	choices given against	each question an appro	priate number to replace			
	? 1 8 4 2						
	(A) 10	(B) 15	(C) 32	(D) 12			

		Space for Rou	gh Work	
	(A) (B) (C)	(D) (E) (1) (2) (B) 2	(3) (4) (5) (C) 3	(D)5
30.	Problem Figures:	Answer Figu	ures:	
	(A) 1	(B) 2	(C) 3	(D) 4
	(3) U4P15B7	(4) U4P1587		
	(1) U4P15B7	(5) U4qf5B7		
29.	Choose the alternative U4P15B7	which is closely resen	nbles the water-image of	of the given combination.
28.	_st_tr_srs_r_srst_ (A) ttssrr	(B) tsrtsr	(C) strtrs	(D) tstttr
27.	P3C, R5F, T8I, V12L, ? (A) X16'O'	(B) Y17'O'	(C) X17M	(D) X17'O'
	(A) 6	(B) 5	(C) 4	(D) 3
26.	Consider the adjoining What is the minimum n adjacent spaces having	umber of colours require	ed to fill the spaces in the	e diagram without any two
25.	him complete the work		together they work for	40% of the work. To help another 12 days and the (D) 100%
	(A) 44	(B) 55	(C) 80	(D) 88
	22 18 ?	72		
24.	Select from the answe the question mark.	r choices given against	each question an appro	priate number to replace

#### Recommended Time: 45 Minutes for Section - II

#### Section - II

#### PHYSICS - (PART - A)

This part contains **9 Multiple Choice Questions** number **31 to 39**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

- 31. A particle covers equal distances in equal interval of time. It is moving with
  - (A) uniform Speed

(B) Non-uniform Speed

(C) The particle must be at rest

- (D) all of these
- 32. In 10hrs, a car is moving with speed of 60 kmh<sup>-1</sup>. Then it travels a distance of

(A) 6 km

(B) 600 km

(C) 10 km

(D) 7 km

- 33. A body is said to be at rest if
  - (A) Its position with respect to the observer remain same
  - (B) Its position with respect to the observer keep on changing
  - (C) Both A and B
  - (D) Neither A nor B
- 34. Displacement is always
  - (A) Shortest path length between two points
- (B) Total path length between two points (D) None of the above
- (C) Product of length and time
- 35. The slope of velocity-time graph gives
  - (A) Distance travelled

(B) acceleration

(C) Force acting

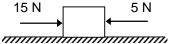
- (D) (A), (B) & (C) all are correct
- 36. The gravitational force between two objects does not depend on
  - (A) Sum of the masses

(B) Product of the masses

(C) Gravitational constant

(D) Distance between the masses

- 37. The momentum of a system is conserved
  - (A) Always
  - (B) Never
  - (C) In the absence of an external force on the system
  - (D) None of the above
- 38. Calculate the resultant force in the given figure.



- (A) 5 N toward left
- (C) 10 N towards right

- (B) 15 N towards right
- (D) 10 N towards left
- 39. What is the correct relation between force (F), changing momentum  $(P_2 P_1)$  and time of action (t)
  - $(A) F = (P_2 P_1)/t$

(B)  $F/t = P_1$ 

(C)  $F = (P_2)t$ 

(D)  $F/t = P_2$ 



## CHEMISTRY - (PART - B)

This part contains **9 Multiple Choice Questions** number **40 to 48**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

40.	To separate the various coloured pigments press (A) sublimation	(B) Chromatography						
	(C) Centrifugation	(D) Evaporation						
41.	Which of the following is not a colloid? (A) Smoke (C) Latex	(B) Haemoglobin (D) Air						
42.	Which subatomic particle is not present in an ord (A) Proton (C) Electron	dinary hydrogen atom? (B) Neutron (D) None of these						
43.	Number of valence electrons in Cl ion are : (A) 6 (C) 7	(B) 8 (D) 18						
44.	Identify the incorrect statement below:  (A) Goldstein discovered neutrons in his experim (B) The millikan oil drop experiment was able to (C) Rutherford's gold foil experiment established (D) Chadwick discovered the neutron.	determine the charge of an electron.						
45.	A metal sulphate has the formula $MSO_4$ A chlorid (A) $M_2Cl_3$ (C) $MCl_2$	de of the same metal will have the formula (B) $M_2Cl$ (D) MCl						
46.	A quantity of Aluminium has a mass of 54g. What atoms?	at is the mass of same number of magnesium						
	(A) 12.1 g (C) 48.6 g	(B) 24.3 g (D) 97.2 g						
47.	The nature of positive rays depends on? (A) The nature of electrode (C) the nature of residual gas	(B) The nature of discharge tube (D) All of the above						
48.	Which of the following mixture can be separated (A) Water and Kerosene (C) Chloroform and Water	(B) Mercury and Water (D) All of these						
	Space for Rough Work							

#### MATHEMATICS - (PART - C)

This part contains **9 Multiple Choice Questions** number **49 to 57**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

49. If the coordinates of three consecutive vertices of a parallelogram are (1,3),(-1,2) and (2,5)

then coordinates of the fourth vertex are

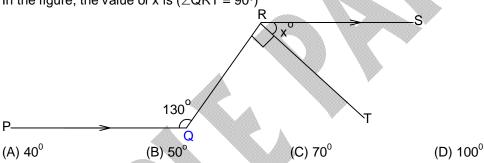
- (A) (6, 4)
- (B)(4,6)
- (C)(-2,0)
- (D) None of these
- 50. If the sides of a triangle are 5 cm, 12 cm and 13 cm respectively then length of the shortest altitude is
  - (A) 5 cm
- (B)  $\frac{60}{13}$  cm
- (C) 12 cm
- (D) 8.5 cm
- 51. Find the unit digit of the product  $91 \times 92 \times 93 \times \dots \times 99$ 
  - (A) 1

(B) 6

(C) 9

(D) 0

52. In the figure, the value of x is ( $\angle QRT = 90^{\circ}$ )



- 53. The sum of a two digit number and the number formed by interchanging the digit is 132. If 12 is added to the number, the new number becomes 5 times the sum of the digits. The number is (A) 58 (B) 48 (C) 72 (D) None of these
- 54. Triangle formed by the lines y = 0, 4x + 3y = 12 and 4x 3y = -12 is:
  - (A) an equilateral triangle

(B) A scalene triangle

(C) Triangle not possible

- (D) An isosceles triangle
- 55. The perimeter of the triangle formed by the points (0, 0), (1, 0) and (0, 1) is
  - (A)  $1 \pm \sqrt{2}$
- (B)  $\sqrt{2} + 1$
- (C) 3

- (D)  $2 + \sqrt{2}$
- 56. If points (1, 2) (-5, 6) and (a, -2) are collinear, then a =
  - (A) 3
- (B) 7

(C) 2

- (D) 2
- 57. If  $x + \frac{1}{x} = -2$ , then find the value of  $x^{2n+1} + \frac{1}{x^{2n+1}}$  where n is a positive integer
  - (A) 2

(B) 0

- (C) -2
- (D) None of these

## BIOLOGY - (PART - D)

This part contains **9 Multiple Choice Questions** number **58 to 66.** Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

58.	Acne is caused by (A) Escherichia (C) Staphylococci	(B) Giardia (D) Shigella
59.	What are the identifying features of meristematic (A) thick cellulose wall, small vacuoles, dense cy (B) thin cellulose wall, almost no vacuoles, dense (C) thin cellulose wall, no vacuoles, sparse cytop (D) thick cellulose, large vacuoles, sparse cytop	ytoplasm, small nuclei e cytoplasm, prominent nuclei plasm, prominent nuclei
60.	Which of the following is a dead tissue? (A) Sieve tube (C) Parenchyma	(B) Companion cells (D) Fibres
61.	The tissues that prevent friction between bones (A) Cartilage (C) Epithelial tissue	are (B) Blood tissue (D) Muscle tissue
62.	Crossing over is:  (A) important in genetic recombination (B) a process that occurs during mitosis (C) what makes a cell become cancerous (D) an important mechanism of chromosome reports.	pair
63.	Where do you find 'Nodes of Ranvier'? (A) Muscular tissue (C) Epithelial tissue	(B) Connective tissue (D) Nervous tissue
64.	Cork cells are airtight due to deposition of: (A) cutin (C) lignin	(B) suberin (D) all of these
65.	Examples of congenital diseases are (A) Albinism (C) Haemophilia	(B) cleft lip (D) All the above
66.	Which of the following does help in repair of tiss (A) Tendon (C) Areolar	ue and fills up the space inside the organ? (B) Adipose muscle (D) Cartilage

#### Recommended Time: 30 Minutes for Section - III

#### Section - III

#### PHYSICS - (PART - A)

This part contains **6 Multiple Choice Questions** number **67 to 72**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

A body goes from A to B with velocity of 80 m/s and comes back from B to A with a velocity of 90 m/s. The average velocity of the body during the whole journey is

(A) zero

(B) 75 m/s

(C) 25 m/s

- (D) 85 m/s
- 68. A particle moves along a semicircle of radius 10m in 5sec., the average velocity of particle is

(A)  $2\pi m/s$ 

(B)  $4\pi m/s$ 

(C) 2m/s

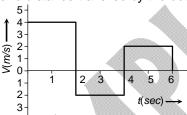
- (D) 4m/s
- 69. A body goes 3 km north and 4 km east. What will be the displacement from initial point?

(A) zero

(B) 2 km

(C) 5 km

- (D) 20 km
- 70. The velocity-time graph of a body moving in a straight line is shown in the figure. The displacement and distance travelled by the body in 6 sec are respectively



(A) 16 m, 16 m

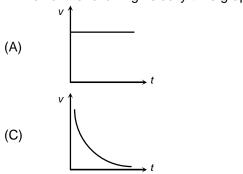
(B) 16 *m*, 38 *m* 

(C) 8m, 16 m

(D) 28 m, 18 m

#### SAMPLE PAPER-AT-2324-C-IX (Paper-1)-AT+S&M-12

71. Which of the following velocity-time graphs represent zero acceleration?



- (B) v
- (D) v
- 72. The slope of distance-time graph gives
  - (A) speed
  - (C) displacement

- (B) Change in acceleration
- (D) (A), (B) & (C) all are correct

#### CHEMISTRY - (PART - B)

This part contains 6 Multiple Choice Questions number 73 to 78. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE is correct.

- Neutrons don't have 73.
  - (A) mass

(B) charge

(C) both

- (D) none
- 74. Consider the following substances
  - (a) graphite
- (b) sodium chloride
- (c) muddy water Which of the above substance can be consider as pure substance?
- (A) (a) & (b)

(B) (a) & (c)

(C) only (b)

- (D) only (a)
- Some solutions are given below. 75.
  - I. Milk mix with water

III. Blood

Which of these will show Tyndal affect?

- (A) only (I)
- (C) (I) and (IV)

- II. Water containing mud
- IV. Starch solution
- (B) (II) and (IV)
- (D) All of these
- 76. Identify the Isotones among the following
  - (A)  $_{1}H^{1} \& _{1}H^{2}$
  - (C)  $_{6}C^{13}$  &  $_{7}N^{14}$

- (B)  $_{1}H^{2} \& _{2}He^{4}$
- (D)  $_{18}Ar^{40}$  &  $_{20}Ca^{40}$
- Which of the following is a binary mixture? 77.
  - (A) Air
  - (C) Steel

- (B) Soft drink
- (D) Saline solutions

- 78. Milk is a type of
  - (A) Gel
  - (C) Emulsion

- (B) Sol
- (D) Suspension

#### MATHEMATICS - (PART - C)

This part contains **6 Multiple Choice Questions** number **79 to 84**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

79. If the sides of a triangle are 8 cm, 5 cm and 3 cm less than its semi perimeter then perimeter of triangle is

(A) 16 cm

(B) 24 cm

(C) 32 cm

(D) 48 cm

80. In a group of goats and hens, the total number of legs is 12 more than twice the total number of heads. The number of goats

(A) 8

(B) 6

(C) 2

(D) None of these

81. If  $5a + \frac{1}{3a} = 5$ , then the value of  $9a^2 + \frac{1}{25a^2}$  is

(A)  $\frac{51}{5}$ 

(B)  $\frac{29}{5}$ 

(C)  $\frac{52}{5}$ 

(D)  $\frac{39}{5}$ 

82. Cost of 5 pens and 7 pencils is Rs. 103 and cost of 4 pens and 9 pencils is Rs. 96. Find the total cost of one pen and one pencil

(A) 19

(B) 20

(C) 21

(D) 22

83. If  $(x-3)^2 + (y-4)^2 + (z-5)^2 = 0$ , then the value of  $\frac{x^2}{9} + \frac{y^2}{16} + \frac{z^2}{25}$  is

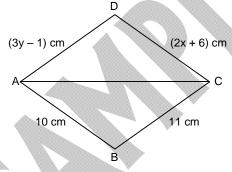
(A) 1

(B) 2

(C) 3

(D) 5

84. In the given figure if  $\triangle ADC \cong \triangle CBA$  then x + y is equal to



(A) 6

(B) 8

(C)  $\frac{37}{6}$ 

(D) 5

### BIOLOGY - (PART - D)

This part contains **6 Multiple Choice Questions** number **85 to 90**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

<b>შ</b> ට.	(A) Ribosome and lysosome					y single membrane? (B) Lysosome and nucleus		
		osome a				(D) Lysosome and endoplasmic reticulum		
86.	Thylako (A) jack (C) tono	et	ed by a r	membrar	ne called:	(B) fret membrane (D) cell membrane		
87.	Match the following a. Inclusion bodies b. Plasmid c. Ribosome d. Golgi complex  a b c d (A) (iii) (ii) (i) (iv) (B) (iv) (iii) (i) (ii) (C) (iii) (i) (iv) (iii) (D) (iv) (iii) (ii) (ii) (i)					(i) Eukaryotic (ii) Protein manufacturer (iii)Nitrogen fixing gene (iv) Nutrient reservoir		
88.	Making (A) viru: (B) viru: (C) viru	anti-vira ses have ses are	al drugs e more on on the b e few bid	is more complica order lin ochemic	```	on-living		
89.	Pellagra (A) B1 (C) B12		ented b	y vitamir		(B) B3 (D) E		
90.	(A) Teta	ccine is anus, po theria, p	lio, plag		us	(B) Diptheria, whooping cough and leprosy (D) Diptheria, whooping cough, tetanus		

#### Recommended Time: 45 Minutes for Section - IV

## Section - IV

#### PHYSICS - (PART - A)

This part contains **4 Multiple Choice Questions** number **91 to 94**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

- 91. A particle is moving in a circle of diameter 5 cm. The distance covered when it completes 3 revolutions is
  - (A) 10  $\pi$  cm

(B) 15  $\pi$  cm

(C)  $5 \pi \text{ cm}$ 

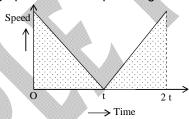
- (D) 30 π cm
- 92. A ball is thrown straight up. The magnitude of acceleration at the top point on its path is

(A) g

(B)  $\frac{g}{2}$ 

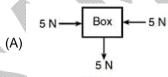
(C) Zero

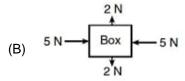
- (D)  $\frac{2g}{3}$
- 93. In the following speed-time graph the shaded portion gives

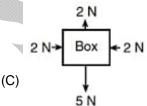


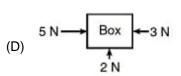
- (A) distance travelled
- (C) average velocity

- (B) average speed
- (D) displacement travelled
- 94. Which diagram represents a box in equilibrium?









#### CHEMISTRY - (PART - B)

This part contains **4 Multiple Choice Questions** number **95 to 98**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

- 95. The poorest conductor of heat among the metals is
  - (A) Lead (B) Copper
  - (C) Arsenic (D) None of these
- 96. Purity of a solid substance can be checked by its
  - (A) boiling point

- (B) melting point
- (C) solubility in water (D) solubility in alcohol
- 97. Naphthalene balls disappear with time without leaving behind any residue. This is because of the
  - following phenomenon (A) evaporation

(B) sublimation

(C) condensation

- (D) vaporization
- 98. The correct increasing order of the boiling points of liquid oxygen, liquid argon and liquid nitrogen present in liquid air as:
  - (A) Nitrogen, oxygen, argon

(B) Nitrogen, argon, oxygen

(C) argon, oxygen, nitrogen

(D) oxygen, argon, nitrogen

#### MATHEMATICS - (PART - C)

This part contains 4 Multiple Choice Questions number 99 to 102. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE is correct.

- 99. The area enclosed by the lines x = 0, x = 2, y = x and y = 3 is:

  (A) 2 sq. unit

  (B) 4 sq. unit

  (C) 8 sq. unit

  (D) 16 sq. unit
- 100. The value of  $\sqrt{6 + \sqrt{6 + \sqrt{6 + \dots + 10^{-9}}}}$  (A) 3 (B) 2 (C) 1 (D) ±3
- 101. Find the coefficient of  $x^2$  in  $(3x^2 5)(4 + 4x^2)$ . (A) 12 (B) 5 (C) -8 (D) 8
- 102. A diagonal of a rectangle is inclined to one side of the rectangle at 25°. The acute angle between the diagonals is

(A) 55° (B) 40° (C) 25° (D) 50°

#### BIOLOGY - (PART - D)

This part contains 8 Multiple Choice Questions number 103 to 110. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE is correct.

- 103. From the following statements select the combination of incorrect statements.
  - (i) RER is found abundantly in protein synthesizing cells.
  - (ii) Chromoplasts are involved in the synthesis and storage of carbohydrates, oil and protein granules.
  - (iii) Mitochondria are found in prokaryotic cells and mature red blood cells of mammals.
  - (A) I, ii are incorrect

(B) ii, iii are incorrect

(C) i, iii are incorrect

- (D) All are incorrect statements
- 104. Aerenchyma is helpful to plants by
  - (A) Providing buoyancy in hydrophytes
- (B) Promoting photosynthesis
- (C) Giving mechanical strength to plants
- (D) Giving flexibility to plants
- 105. The difference between blood and lymph is:
  - (A) blood has WBC while lymph has RBC
  - (B) blood has dissolved salt while lymph has no cells
  - (C) blood has RBC and WBC while lymph has no cells
  - (D) blood has RBC and WBC while lymph has only WBC
- 106. In osmosis:
  - (A) solute moves through Selectively permeable membrane
  - (B) solvent moves through selectively permeable membrane
  - (C) Both solute and solvent move through selectively permeable membrane
  - (D) solution moves through selectively permeable membrane
- 107. Select the correct statements.
  - a. Ribosomes are covered by a double-layered membrane
  - b. Ribosomes are composed of RNA and proteins
  - c. Xanthophyll is present in chromoplast
  - d. Elaioplasts store protein
  - (A) q and d

(B) b and c

(C) c and d

(D) b and d

#### SAMPLE PAPER-AT-2324-C-IX (Paper-1)-AT+S&M-20

- 108. Match the following:
  - a. Adipose tissue

iν

(i) Chondrocytes

ii

- b. Bone
- (ii) Blood
- c. Cartilage
- (iii) Fat cell
- d. Platelets
- (iv) Osteocyte
- а
- c d
- (A) iii
- i ::
- (B) iv (C) iii
- ii iii iv ii
- (D)
- iv iii
- 109. Which of these is mis-matched?
  - (A) Amyloplasts Store protein granules
  - (B) Elaioplasts Store oils or fats

b

iν

ii

- (C) Chloroplasts Contain chlorophyll pigments
- (D) Chromoplasts Contain coloured pigments other than chlorophyll
- 110. Identify the wrong statement:
  - a. A vaccine is a biological preparation that contains active or weakened microbe.
  - b. Polio is an infectious disease caused by bacteria.
  - c. Cancer is caused due to slow division of cells
  - d. Lifestyle habits can cause disease like obesity.
  - (A) a only

(B) b and c

(C) c only

(D) a and b

# FIITJEE Admission Test

# for students presently in Class 9 (Paper 1) SAMPLE PAPER ANSWER KEY

1.	В	2.	D	3.	A	4.	Α
5.	Α	6.	Α	7	В	8.	Α
9.	Α	10.	В	11.	A	12.	D
13.	С	14.	D	15.	В	16.	C
17.	С	18.	В	19.	В	20.	В
21.	В	22.	Α	23.	C	24.	D
25.	D	26.	D	27.	D	28.	D
29.	С	30.	D	31.	Α	32.	В
33.	Α	34.	Α	35.	В	36.	Α
37.	С	38.	С	39.	A	40.	В
41.	D	42.	В	43.	В	44	Α
45.	С	46.	C	47.	C	48.	D
49.	В	50.	В	51.	D	52.	Α
53.	В	54.	D	55.	D	56.	В
57.	C	58.	C	59.	В	60.	D
61.	A	62.	Α	63.	D	64.	В
65.	D	66.	C	67.	Α	68.	D
69.	C	70.	c	71.	Α	72.	Α
73.	В	74.	Α	75.	D	76.	С
77.	D	78.	С	79.	С	80.	В
81.	D	82.	Α	83.	С	84.	Α
85.	D	86.	В	87.	D	88.	С
89.	В	90.	D	91.	В	92.	Α
93.	Α	94.	В	95.	Α	96.	В
97.	В	98.	В	99.	В	100.	Α
101.	С	102.	D	103.	В	104.	Α
105.	D	106.	В	107.	В	108.	Α
109.	Α	110.	В				