## SAMPLE TEST PAPER

Resonance National Entrance Test (ResoNET)
For Pre-foundation Career Care Programmes (PCCP) FOR CLASS X/ WINNER/ SMART


## Practice, Persistence and Performance



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The sample test papers are only for reference and guidance．The sample papers given in the booklet are actually the papers of previous year＇s ResoNET conducted by Resonance for its various courses．

Note ：Resonance reserves the right to change the pattern of Resonance National Entrance Test（ResoNET）． Pervious year papers do not guarantee that the papers for this year selection test will be on the same pattern． However，the syllabus of the test paper will be equivalent to the syllabus of qualifying school／board examination and as given on page nos． 1 to 12 ．

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## GUIDELINES AND INSTRUCTIONS FOR ENTRANCE TEST

## FOR ONLINE EXAMINATION

In Online Examination system；Test will be conducted in fully computerized，user friendly mode with advanced security features making it fair，transparent and standardized．

## Information \＆Instructions：

1．The examination does not require using any paper，pen，pencil and calculator．
2．Every student will take the examination on a Laptop／Desktop／Smart Phone．
3．If you are using your personal laptop／Desktop，please make sure that you have installed the necessary software and programs \＆having proper internet connection before the examination day．It is important that your laptop／desktop／Smartphone－Mobile fulfils the system requirements of the programme．

4．You must bring your own power supply for use during the examination．
5．If failure to comply with these recommendations results in technical problems that cause a delay in your examination，you cannot expect to be granted extended time．

6．Kindly remember your Resonance Application Form No．as a Roll No．
7．You are not permitted to leave the Venue／any movement from Laptop／Desktop／Mobile screen during examination．

8．The students just need to click on the Right Choice／Correct option from the multiple choices／options given with each question．For Multiple Choice Questions，each question has four options，and the candidate has to click the appropriate option．

## FOR OFFLINE EXAMINATION

1．This booklet is your Question Paper．
2．The Question Paper Code is printed on the top right corner of this sheet．
3．Blank papers，clip boards，log tables，slide rule，calculators，mobile or any other electronic gadgets in any form are not allowed to be used．

4．Write your Name \＆Application Form Number in the space provided in the bottom of this booklet．
5．Before answering the paper，fill up the required details in the blank space provided in the Objective Response Sheet．

6．Do not forget to mention your paper code and Application Form Number neatly and clearly in the blank space provided in the Objective Response Sheet（ORS）／Answer Sheet．

7．No rough sheets will be provided by the invigilators．All the rough work is to be done in the blank space provided in the question paper．

8．No query related to question paper of any type is to be put to the invigilator．

## SAMPLE TEST PAPER（STP）

RESONET QUESTION PAPER STRUCTURE

| For Class IX to X Moving Student |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S．No． | Part | Subject | Type of Question | No．of Ques． | Marking Scheme |  |  |
|  |  |  |  |  | Full Marks per Qs． | Negative Marking | Total |
| 1 to 25 | 1 | Mathematics | Single Choice Questions（Only One Correct Option）（MCQ） | 25 | 3 | 0 | 75 |
| 26 to 35 | II | Physics | Single Choice Questions（Only One Correct Option）（MCQ） | 10 | 3 | 0 | 30 |
| 36 to 45 | III | Chemistry | Single Choice Questions（Only One Correct Option）（MCQ） | 10 | 3 | 0 | 30 |
| 46 to 55 | IV | Biology | Single Choice Questions（Only One Correct Option）（MCQ） | 10 | 3 | 0 | 30 |
| 56 to 70 | V | Mental Ability | Single Choice Questions（Only One Correct Option）（MCQ） | 15 | 3 | 0 | 45 |
| Total |  |  |  | 70 |  |  | 210 |

## RESONET SYLLABUS

|  | FOR CLASS IX TO X MOVING STUDENT |  |
| :--- | :---: | :--- |
| SUBJECT | SYLLABUS <br> FROM <br> CLASS | TOPIC |
| MATHEMATICS | IX | Number System，Polynomials，Coordinate Geometry，Lines and Angles， <br> Congruent Triangles，Heron＇s Formula，Linear Equation in two variables， <br> Quadrilaterals，Area of Parallelograms，Triangles，Circles，Surface Area and <br> Volume，Statistics，Probability． |
| PHYSICS | IX | Motion，Force and Newton＇s Laws，Gravitation，Fluid，Work，Energy and <br> Power，Wave Motion And Sound． |
| CHEMISTRY | IX | Matter in our Surroundings，Is Matter Around us Pure，Atoms and <br> Molecules，Structure of Atom． |
| BIOLOGY | IX | Fundamental unit of life，Tissue，Improvement in food resources，Diversity <br> of living organism，Why do we fall ill，Naturalresources． |
| MENTAL ABILITY | IX | Number－Series，Alphabet－Series，Missing Term in Figures，Coding－Decoding， <br> Direction，Sense Test，Seating Arrangement，Puzzle Test，Syllogism，Day， <br> Date and Time，Dice Test，Cube Test，Non－Verbal Series，Non－Verbal <br> Analogy，Non－Verbal Classification． |



SAMPLE TEST PAPER (STP)
(For Class-IX Passed Students)
CLASS-X (FOR CLASS IX TO X/WINNER/SMART MOVING STUDENT)
TARGET: SCHOOL / OLYMPIAD

For Class IX to X Moving Student

| S.No. | Part | Subject | Type of Question | No. of Ques. | Marking Scheme |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Full Marks per Qs. | Negative Marking | Total |
| 1 to 25 | I | Mathematics | Single Choice Questions (Only One Correct Option) (MCQ) | 25 | 3 | 0 | 75 |
| 26 to 35 | II | Physics | Single Choice Questions (Only One Correct Option) (MCQ) | 10 | 3 | 0 | 30 |
| 36 to 45 | III | Chemistry | Single Choice Questions (Only One Correct Option) (MCQ) | 10 | 3 | 0 | 30 |
| 46 to 55 | IV | Biology | Single Choice Questions (Only One Correct Option) (MCQ) | 10 | 3 | 0 | 30 |
| 56 to 70 | V | Mental Ability | Single Choice Questions (Only One Correct Option) (MCQ) | 15 | 3 | 0 | 45 |
| Total |  |  |  | 70 |  |  | 210 |

## PART-I : MATHEMATICS

This section contains 25 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which ONLY ONE is correct.

1. There are four prime numbers written in ascending order. The product of the first three is 385 and that of the last three is 1001 . The last number is:
(A) 11
(B) 13
(C) 17
(D) 19
2. Which of the following is a polynomial :-
(A) $x^{2}+\sqrt{2} x+\sqrt{3}$
(B) $x^{2}+\sqrt{2 x}+\sqrt{3}$
(C) $x^{2}+\frac{2}{x}+\sqrt{3}$
(D) $x^{3 / 2}+\sqrt{2} x+\sqrt{3}$
3. If OT and OS are the bisectors of $\angle \mathrm{POR}$ and $\angle \mathrm{QOR}$, then $\angle \mathrm{TOS}$ is equal to :

(A) $60^{\circ}$
(B) $85^{\circ}$
(C) $90^{\circ}$
(D) $100^{\circ}$.

## SAMPLE TEST PAPER (STP) | CLASS: IX TO X MOVING

4. If $D$ is any point on the side $B C$ of a $\triangle A B C$, then :
(A) $A B+B C+C A>2 A D$
(B) $A B+B C+C A<2 A D$
(C) $A B+B C+C A>3 A D$
(D) None
5. The distance of the point $(12,-5)$ from origin is :
(A) 7
(B) 12
(C) 17
(D) 13
6. Area of triangle $A B C$ whose sides are 24 m .40 m . and 32 m . is :
(A) $96 \mathrm{~m}^{2}$
(B) $384 \mathrm{~m}^{2}$
(C) $43 \mathrm{~m}^{2}$
(D) $192 \mathrm{~m}^{2}$
7. The values of a for which the lines $x=1, y=2$ and $a^{2} x+2 y-20=0$ are concurrent are
(A) 1
(B) $\pm 4$
(C) -1
(D) -2
8. In the adjoining figure, ABCD and AEFG are each a parallelogram. If $\angle \mathrm{C}=55^{\circ}$, what is the measure of $\angle \mathrm{F}$ ?

(A) $60^{\circ}$
(B) $55^{\circ}$
(C) $45^{\circ}$
(D) $35^{\circ}$
9. Find the area of the figure formed by joining the mid-points of the adjacent sides of a rhombus with diagonals 12 cm and 16 cm .
(A) $32 \mathrm{~cm}^{2}$
(B) $42 \mathrm{~cm}^{2}$
(C) $48 \mathrm{~cm}^{2}$
(D) $44 \mathrm{~cm}^{2}$
10. In figure, $\triangle A B C$ is an equilateral triangle $P Q \| A C$ and $A C$ is produced to $R$ such that $C R=P Q$.

(A) $\mathrm{PO}>\mathrm{OC}$
(B) $\mathrm{PO}=\mathrm{OC}$
(C) $\angle \mathrm{POQ}=\angle \mathrm{CRO}$
(D) $A Q=A R$
11. In the diagram $O$ is the centre of a circle. $A E+E B=C E+E D$. $O P \perp A B$ and $O Q \perp C D$ then true relation between OP and OQ is -

(A) $\mathrm{OP}>\mathrm{OQ}$
(B) $\mathrm{OP}<\mathrm{OQ}$
(C) $O P=\frac{1}{2} O Q$
(D) $O P=O Q$

## SAMPLE TEST PAPER (STP) | CLASS: IX TO X MOVING

12. A metallic sheet is of the rectangular shape with dimension 48 cm 36 cm . From each one of corners, a square of 8 cm is cut off. An open box is made of the remaining sheet. Find the volume of the box.
(A) $5420 \mathrm{~cm}^{3}$
(B) $5320 \mathrm{~cm}^{3}$
(C) $5120 \mathrm{~cm}^{3}$
(D) $5220 \mathrm{~cm}^{3}$
13. For the scores $8,6,10,12,1,5,6$ and 6 the Arithmetic mean is
(A) 6.85
(B) 6.75
(C) 6.95
(D) 7
14. Three unbiased coins are tossed, What is probability of getting exactly two heads ?
(A) $\frac{1}{3}$
(B) $\frac{3}{4}$
(C) $\frac{2}{3}$
(D) $\frac{3}{8}$
15. If $m^{2}-n^{2}=7$, where $m, n \in Z$, then number of ordered pairs $(m, n)$ is
(A) 1
(B) 2
(C) 3
(D) 4
16. If $a b x^{2}=(a-b)^{2}(x+1)$, then the value of $1+\frac{4}{x}+\frac{4}{x^{2}}$ is :
(A) $\left(\frac{a-b}{a+b}\right)^{2}$
(B) $\left(\frac{a+b}{a-b}\right)^{2}$
(C) $\left(\frac{a}{a+b}\right)^{2}$
(D) $\left(\frac{b}{a+b}\right)^{2}$
17. $A B$ and $C D$ are two parallel lines. $P Q$ cuts $A B$ and $C D$ at $E$ and $F$ respectively. $E L$ is the bisector of $\angle \mathrm{FEB}$. If $\angle \mathrm{LEB}=35^{\circ}$, then $\angle \mathrm{CFQ}$ will be :
(A) $55^{\circ}$
(B) $70^{\circ}$
(C) $110^{\circ}$
(D) $130^{\circ}$
18. If the three altitudes of a $\Delta$ are equal then triangle is :
(A) isosceles
(B) equilateral
(C) right angled
(D) none
19. The points $(-5,2)$ and $(2,-5)$ lie in the :
(A) same quadrants
(B) II and III quadrants respectively
(C) II and IV quadrants respectively
(D) IV and III quadrants respectively
20. The parallel sides of a trapezium are 60 cm and 77 cm and non-parallel sides are 26 cm and 26 cm . The approximate area of trapezium is -
(A) $1683 \mathrm{~cm}^{2}$
(B) $204 \mathrm{~cm}^{2}$
(C) $1440 \mathrm{~cm}^{2}$
(D) $1600 \mathrm{~cm}^{2}$
21. Straight line $2 x+3 y=6$ does not passes through
(A) I Quadrant
(B) II Quadrant
(C) III Quadrant
(D) IV Quadrant
22. Suppose the triangle $A B C$ has an obtuse angle at $C$ and let $D$ be the midpoint of side $A C$. Suppose $E$ is on $B C$ such that the segment $D E$ is parallel to $A B$. Consider the following three statements.
(i) E is the midpoint of BC
(ii) The length of $D E$ is half the length of $A B$
(iii) DE bisects the altitude from $C$ to $A B$
(A) only (i) is true
(B) only (i) and (ii) are true
(C) only (i) and (iii) are true
(D) all three are true.
23. $A B C$ and $B D E$ are two equilateral triangles such that $D$ is the mid-point of $B C$. If ar ( $B D E$ ) $=k$ ar (ABC) , then $k=$
(A) 1
(B) $1 / 2$
(C) $1 / 4$
(D) $1 / 3$
24. The side $B C$ of the triangle $A B C$ is produced to a point $D$. If the bisectors of $\angle A B C$ and $\angle A C D$ meet at point $P$, then :
(A) $\angle A=\angle P$
(B) $\angle A=1 / 2 \angle P$
(C) $\angle A=3 \angle P$
(D) $\angle A=2 \angle P$
25. The probability of three coins falling all heads up when tossed simultaneously is:
(A) $\frac{1}{2}$
(B) $\frac{1}{6}$
(C) $\frac{1}{8}$
(D) $\frac{1}{4}$

## PART-II :PHYSICS

This section contains 10 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which ONLY ONE is correct.
26. A body starts from rest at time $t=0$, the acceleration time graph is shown in figure. The maximum velocity attained by the body will be:
(A) $110 \mathrm{~m} / \mathrm{s}$
(B) $55 \mathrm{~m} / \mathrm{s}$
(C) $650 \mathrm{~m} / \mathrm{s}$
(D) $550 \mathrm{~m} / \mathrm{s}$

27. A body of mass $M$ strikes against wall with a velocity $v$ and rebounds with the same velocity. Its change in momentum is :
(A) zero
(B) Mv
(C) -Mv
(D) -2 Mv
28. If two bodies of mass $M_{1}$ and $M_{2}$ are placed a distance $r$ apart they have a force of gravitation $F$ between them. If both of the masses are reduced to half then force of gravitation would be :
(A) $\frac{F}{2}$
(B) 2 F
(C) $\frac{F}{4}$
(D) F
29. The balloon stops rising up beyond a particular height when the density of gas inside the balloon :
(A) exceeds the density of air outside
(B) equals the density of air
(C) becomes less than the density of air
(D) none of the above
30. To lift a 5 kg mass to a certain height, amount of energy spent is 245 J . The mass was raised to a height of :
(A) 15 m
(B) 10 m
(C) 7.5 m
(D) 5 m
31. Ultrasonic frequency range is:
(A) Below 20 Hz
(B) 20 Hz to 20 kHz
(C) Above 20 kHz
(D) No limit
32. A body covers half the distance with a speed of $20 \mathrm{~m} / \mathrm{s}$ and the other half with $30 \mathrm{~m} / \mathrm{s}$. The average speed of the body during the whole journey is:
(A) Zero
(B) $24 \mathrm{~m} / \mathrm{s}$
(C) $25 \mathrm{~m} / \mathrm{s}$
(D) None of the above
33. Two thin circular discs of radii 3 cm and 4 cm respectively are placed separately at the bottom of a vessel containing water. The ratio of thrusts acting on them will be :
(A) $3: 4$
(B) $4: 3$
(C) $5: 2$
(D) $9: 16$

## SAMPLE TEST PAPER (STP) | CLASS: IX TO X MOVING

34. When time taken to complete a given amount of work increases, then
(A) Power increases
(B) power decreases
(C) energy increases
(D) energy decreases
35. A sonar echo takes 4.4 s to return from a submarine. If the speed of sound in water is $1500 \mathrm{~ms}^{-1}$, then the distance of submarine from the sonar is :
(A) 1500 m
(B) 3000 m
(C) 3300 m
(D) 3600 m

## PART-III : CHEMISTRY

This section contains 10 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which ONLY ONE is correct.
36. The following which has definite shape and volume is
(A) Water
(B) Ice
(C) Oxygen
(D) Steam
37. Which of the following is an example of homogeneous mixture?
(A) Brass
(B) Muddy water
(C) Soil
(D) All
38. The molecular mass of the oxygen molecule $\left(\mathrm{O}_{2}\right)$ is
(A) $16 u$
(B) $32 u$
(C) $34 u$
(D) $33 u$
39. One of the reasons for the inertness of noble gases is
(A) Their outermost shells are not completely filled.
(B) it is not possible to remove electrons from their outermost shells.
(C) They have unstable configuration.
(D) They loose their valence elctrons easily.
40. Which of the following is not matter?
(A) Larva of volcanic erruption
(B) pain
(C) Wood
(D) None of these
41. Which one of the following is not a compound?
(A) Marble
(B) Ozone
(C) Alumina
(D) Quicklime
42. The law which states that matter is neither created nor destroyed in a chemical reaction is
(A) Law of multiple proportion.
(B) law of conservation of mass
(C) Law of constant proportion.
(D) Law of reciprocal proportion
43. In an atom, $M$ shell can occupy maximum of-
(A) 2 electrons
(B) 8 electrons
(C) 18 electrons
(D) 32 electrons
44. The formula of the chloride of a metal is $\mathrm{MCl}_{3}$. The formula of its sulphate is
(A) $\mathrm{MSO}_{4}$
(B) $\mathrm{M}_{2}\left(\mathrm{SO}_{4}\right)_{3}$
(C) $\mathrm{M}_{3}\left(\mathrm{SO}_{4}\right)_{2}$
(D) $\mathrm{M}_{4}\left(\mathrm{SO}_{4}\right)_{3}$
45. The number of electrons in $\mathrm{Al}^{+3}$ is -
(A) 13
(B) 12
(C) 11
(D) 10

## PART-IV: BIOLOGY

This section contains 10 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which ONLY ONE is correct.
46. Organelle without a cell membrane is -
(A) ribosomes
(B) golgi body
(C) mitochondria
(D) chloroplast
47. Which of the following components of phloem is non-living
(A) sieve tubes
(B) companion cells
(C) phloem fibres
(D) phloem parenchyma
48. Vermicomposting involves -
(A) leech
(B) cockroach
(C) earthworm
(D) roundworm
49. Non flowering plants belongs to
(A) cryptpgamae
(B) phanerogamae
(C) dicot
(D) monocot
50. Kala-azar (black fever) is caused by
(A) Protozoan
(B) fungus
(C) helminth
(D) bacterium
51. Corrosion of statues and monuments occurs due to -
(A) Photochemical
(B) Co
(C) Acid rain
(D) Methane

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52. Protein containing plastid is
(A) Elaioplast
(B) Amyloplast
(C) Aleuroplast
(D) Rhodoplast
53. A permanent plant tissue made up of living cells having thickening at the corners is
(A) Parenchyma
(B) Collenchyma
(C) Sclerenchyma
(D) Phloem
54. Lichens indicate pollution by
(A) $\mathrm{O}_{3}$
(B) $\mathrm{SO}_{2}$
(C) $\mathrm{NO}_{2}$
(D) CO
55. Choanocytes are unique to -
(A) Protozoa
(B) Annelida
(C) Porifera
(D) Echinodermatas

## PART-V : MENTAL ABILITY

Directions: (56) Which sequence of letters when placed at the blanks one after the other will complete the given letter series ?
56. $\quad a b c_{-} d_{-} b c_{-} d_{-} b_{-} c d a$
(A) bacdc
(B) cdabc
(C) dacab
(D) dccbd
57. If GOOD is written HQRH, how will you write DREAM?
(A) ESPBN
(B) ETHER
(C) ETHPQ
(D) ESHDR

Directions : (58) Find the missing numbers.
58. $3,1,4,5,9,14,23$, ?
(A) 32
(B) 37
(C) 41
(D) 28
59. Correct the following equations by interchanging two signs.
$16-21 \div 7 \times 6+3=31$
(A) - and -
(B) + and $x$
(C) $\div$ and +
(D) $\div$ and $\times$
60. At my house I am facing West, then I turn left and go 10 m , then I turn 900 anti-clockwise and go 5 m , and then I go 5 m to the South and from there 5 m to the West. In which direction am I from my house?
(A) East
(B) West
(C) North
(D) South

Directions: (61) Read the following information and answer the questions given below it.
Five girls are standing in a circle facing the centre. Suman is between Lata and Asha. Mamta is to the right of Lata.
61. Who is to the left of Asha if Rajani is the fifth girl ?
(A) Mamta
(B) Suman
(C) Lata
(D) Rajani

Directions (62) : Read the following information carefully and answer the questions that follows.
(i) Five friends P, Q, R, S and T travelled to five different cities of Chennai, Kolkata, Delhi, Bangalore and Hederabad by different modes of transport of Bus, Train, Aeroplane, Car and Boat from Mumbai.
(ii) The person who travelled to Delhi did not travel by boat.
(iii) R went to Bangalore by Car and Q went to Kolkata by Aeroplane.
(iv) S travelled by Boat whereas T travelled by Train.
(v) Mumbai is not connected by bus to Delhi and Chennai.
62. Which of the following combinations of person and mode is not correct ?
(A) P - Bus
(B) Q - Aeroplane
(C) R - Car
(D) T-Aeroplane
63. Which numbered space in the figure. represents doctors who are players as well as artists ?

(A) 2
(B) 3
(C) 6
(D) 7

Directions: (64) In each question, statements are followed by the conclusions. You have to take the given statements to be true even if they appear to be at variance with commonly known facts, and then decide which of the conclusions logically follow(s) from the given statements. For each question, mark out an appropriate answer choice that you think is correct.

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64. Statements: 1. All lamps are books.
65. No book is coloured.

Conclusions: I. Some lamps are coloured.
II. No lamp is coloured.
(A) Only conclusion I follows.
(B) Only conclusion II follows
(C) Both I and II follow.
(D) Neither I nor II follows.
65. Find the day of the week on 15 August, 1947.
(A) Tuesday
(B) Friday
(C) Wednesday
(D) Thursday
66. Three positions of the same dice are given below. Observe the figures carefully and tell which number will come in place of '?'

(i)

(ii)

(iii)
(A) 1
(B) 6
(C) 3
(D) 5

Directions: (67) A cube is painted red on two adjacent surfaces and black on the surfaces opposite to red surfaces and green on the remaining faces. Now the cube is cut into sixty four smaller cubes of equal size.
67. How many smaller cubes have three surfaces painted ?
(A) 4
(B) 8
(C) 16
(D) 24

Directions: (68) Each of the following questions consists of five figures marked 1, 2, 3, 4 and 5 . These figures form a series. Find out the one from the answer figures that will continue the series.
68. Problem Figures


Answer Figures


Directions: (69) In each of the following questions, there is a certain relation between two given number on one side of : : and one number is given on another side of : : while another number is to be found from the given alternatives, having the same relation with this number as the numbers of the given pair bear. Choose the best alternative.
69. 425 : 2 :: 613: ?
(A) 1
(B) 2
(C) 3
(D) 4

Directions: (70) Out of the four figures (A), (B), (C) and (D), given in each problem, three are similar in a certain way. However, one figure is not like the other three. Choose the figure which is different from the rest.
70.


(B)

(C)

(D)

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## SAMPLE TEST PAPER (STP) | CLASS: IX TO X MOVING

## FOR CLASS-IX TO X MOVING | SAMPLE TEST PAPER (STP)

| ANSWER KEY (AK) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PART-I: <br> MATHEMATICS | Q.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  | Ans. | B | A | C | A | D | B | B | B | C | B |
|  | Q.No. | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|  | Ans. | D | C | B | D | D | B | C | B | C | A |
|  | Q.No. | 21 | 22 | 23 | 24 | 25 |  |  |  |  |  |
|  | Ans. | C | D | c | D | C |  |  |  |  |  |
| PART-II: PHYSICS | Q.No. | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
|  | Ans. | B | D | C | B | D | C | B | D | B | C |
| PART-III: <br> CHEMISTRY | Q.No. | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|  | Ans. | B | A | B | B | B | B | B | D | B | D |
| PART-IV: BIOLOGY | Q.No. | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 |
|  | Ans. | A | C | C | A | A | C | C | B | B | C |
| PART-IV: <br> MENTAL <br> ABILITY | Q.No. | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 |
|  | Ans. | C | B | B | B | D | D | D | D | B | B |
|  | Q.No. | 66 | 67 | 68 | 69 | 70 |  |  |  |  |  |
|  | Ans. | A | B | D | A | B |  |  |  |  |  |



Reg. \& Corp. Office : CG Tower, A-46 \& 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.)-324005



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Resonance Eduventures Ltd. Network

- Resonance Corporate/Head Office : 1

4 Study Centers / Network Partners : 40

- School Integrated Program (ICCPs) : 7

ResoBASE Network
R ResBASE Head Office : 1
${ }^{4}$ BASE Study Centers (BSC) : 17

+ BASE Integrated Program (ICCPs): 11
The map is only indicative and not to scale.
Above information is updated till 09.08.2023.


## ○ REGISTERED \& CORPORATE OFFICE (CIN: U80302RJ2007PLC024029)

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