

8th TO 9th
MOVING



VIBRATION
ACADEMY

PHASE 1

VIBRO'NET

SCHOLARSHIP TEST

NEET RESULT 2023



JAY PITHADIYA

639/720



SUJAL PARMAR

637/720



MINAL PATIL

626/720



ROSNA THOMAS

612/720



RITU PATEL

612/720



RIA CHANDARANA

611/720



PRERNA GANDHI

593/720



KACHHATIYA DHAIVAL

589/720



RUTVI PAREKH

570/720



SHREJA GUPTA

569/720



RIVA CHANDARANA

569/720



SAZIYA MUNSHI

561/720



ASTHA ATODARIYA

553/720



MISTY BHAVSAR

546/720



SAKSHI BHATT

533/720



HARSH KAPADIA

525/720



SULAY PATEL

523/720



KRISH PATEL

518/720



JENSI PRAJAPATI

517/720



RUTVI CHAUHAN

513/720



DATTESH BHATIYA

492/720



HARNISH PATEL

480/720



SHREYA SHAH

475/720



ATIK RAZA

474/720



JANHABI BARAT

471/720



YASHODEEP PATIL

469/720



RIYA OZA

468/720



ANSH SHARMA

465/720

37 OUT OF 53 STUDENTS SCORED MORE THAN 450+ MARKS.

IMPORTANT INSTRUCTIONS

GENERAL INSTRUCTIONS

1. This booklet is your Question Paper.
2. Blank papers, clip boards, log tables, slide rule, calculators, mobile or any other electronic gadgets in any form are not allowed to be used.
3. Write your **Name** in the space provided in the first page of this booklet.
4. 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.
5. No query related to question paper of any type is to be put to the invigilator.

INSTRUCTIONS FOR OPTICAL RESPONSE SHEET (ORS)

- Darken the appropriate bubbles on the original by applying sufficient pressure.
- The original is machine-gradable and will be collected by the invigilator at the end of the examination.
- Do not tamper with or mutilate the ORS.
- Before answering the paper, fill up the required details in the blank space provided in the Objective Response Sheet (ORS).
- Use a **BLACK / BLUE BALL POINT** to darken the bubbles in the ORS sheet.
- Darken the bubble **COMPLETELY**.
- Darken the bubble **ONLY** if you are sure of the answer.
- The correct way of darkening a bubble is as shown here : ●
- There is **NO** way to erase or "un-darkened bubble.
- The marking scheme given at the beginning of each section gives details of how darkened and **not darkened** bubbles are evaluated.

Marks distribution of questions is as follows.

Vibro'NET						
S.No.	Subject	Nature of Questions	Marks to be awarded			
			No. of Questions	Correct	Wrong	Total
1 to 25	PART-I (Maths)	Single Choice Questions (SCQ)	25	4	0	100
26 to 35	PART-II (Physics)	Single Choice Questions (SCQ)	10	4	0	40
36 to 45	PART-III (Chemistry)	Single Choice Questions (SCQ)	10	4	0	40
46 to 55	PART-IV (Biology)	Single Choice Questions (SCQ)	10	4	0	40
56 to 70	PART-V (Mental Ability)	Single Choice Questions (SCQ)	15	4	0	60
		Total	70			280

Zero marks '0' if none of the options is chosen (i.e. the question is unanswered).

Name _____

Space For Rough Work

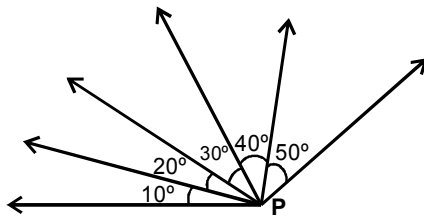
1. Factorise $x^2 - \frac{13}{24}x - \frac{1}{12}$
- (A) $\frac{1}{24}(3x-2)(8x+1)$
 (B) $\frac{1}{8}(3x-2)(8x+1)$
 (C) $\frac{1}{24}(3x+2)(8x+1)$
 (D) $\frac{1}{24}(3x-2)(8x-1)$
2. What is the remainder when $(x^4 + 1)$ is divided by $(x - 2)$?
- (A) 17 (B) 15
 (C) 7 (D) 1
3. If $\frac{(a^2b^3c)^4 \cdot (abc)^3}{(a^3bc^{-1})^2} = \sqrt{a^m b^n c^p}$ then $m + n + p$ has the value equal to
- (A) 24 (B) 54
 (C) 27 (D) 34
4. The value of $\sqrt{27} - \frac{9}{\sqrt{3}} - 4\sqrt{\frac{1}{9}} + 4^3\sqrt{\frac{1}{27}}$ will be –
- (A) $\sqrt{3}$ (B) $2\sqrt{3}$
 (C) 0 (D) $3\sqrt{3}$
5. Find three consecutive integers such that four times the first plus one-half the second minus twice the third is equal to 24-
- (A) 11, 12 and 13 (B) 12, 13 and 14
 (C) 13, 14 and 15 (D) 10, 11 and 12
6. What is the difference between the biggest and the smallest fraction among $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}$ and $\frac{5}{6}$?
- (A) $\frac{1}{6}$ (B) $\frac{1}{12}$
 (C) $\frac{1}{20}$ (D) $\frac{1}{30}$
7. What number should be subtracted from -5 to get $\frac{8}{9}$.
- (A) $-\frac{53}{9}$ (B) $\frac{37}{9}$
 (C) $\frac{9}{37}$ (D) $-\frac{9}{37}$
8. Let n be a 3 digit number such that $n =$ sum of the squares of the digits of n . The number of such n is
- (A) 0 (B) 1
 (C) 2 (D) More than 2
9. The ratio of a two digit number and the sum of its digits is $4 : 1$. If the digit in the units place is 3 more than the digit in the tens place, then the number is.
- (A) 24 (B) 36
 (C) 27 (D) 34
10. If $\frac{p}{q} = 1 + \frac{5}{1 + \frac{4}{1 + \frac{3}{1 + \frac{1}{2}}}}$ where p, q have no common factors, then $p + q$
- (A) 29 (B) 36
 (C) 27 (D) 34

Space For Rough Work

11. x is $1\frac{1}{6}$ of $3\frac{3}{4}$ and y is $2\frac{1}{3}$ of $2\frac{1}{6}$.
Then
(A) $2x = y$ (B) $y < x$
(C) $x < y$ (D) $x = y$

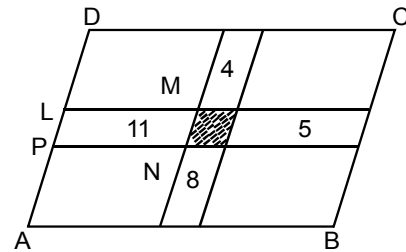
12. If $a + \frac{1}{a} = 3$, then $a^2 + \frac{1}{a^2}$ has value,
(A) 9
(B) 11
(C) 7
(D) 10

13. The number of acute angles formed by the rays at the vertex P is _____



- (A) 9 (B) 10
(C) 7 (D) 5
14. Find fraction form of rational number 0.37
(A) $\frac{37}{100}$ (B) $\frac{400}{95}$
(C) $\frac{433}{99}$ (D) $\frac{100}{33}$

15. In the adjoining figure ABCD is a parallelogram of perimeter 21. It is subdivided into smaller parallelograms by drawing lines parallel to the sides. The numbers shown are the respective perimeters of the parallelograms in which they are marked. (For example the perimeter of the parallelogram LMNP is 11). Find the perimeter of the shaded parallelogram.



- (A) 4 (B) 15
(C) 7 (D) 12
16. If $\frac{p}{a} + \frac{q}{b} + \frac{r}{c} = 1$ and $\frac{a}{p} + \frac{b}{q} + \frac{c}{r} = 0$ then the value of $\frac{p^2}{a^2} + \frac{q^2}{b^2} + \frac{r^2}{c^2}$ is :
(A) 0 (B) -11
(C) 9 (D) 1
17. If $a = 2012, b = 2011, c = 2010$ then the value of $a^2 + b^2 + c^2 - ab - bc - ca$ is :
(A) 0 (B) 2012
(C) 3 (D) 4024
18. If $ab = 8$ and $a + b = 6$ then the value of $(a^2 + b^2)$ is
(i) 18
(ii) 19
(iii) 20
(iv) 49

Space For Rough Work

19. In following couples which rational numbers are equal :
- (A) $\frac{-9}{13}$ and $\frac{8}{-12}$ (B) $\frac{-32}{-40}$ and $\frac{40}{50}$
 (C) $-\frac{7}{21}$ and $\frac{3}{9}$ (D) $\frac{-8}{-14}$ and $\frac{13}{21}$
20. $1.7 \times 1.7 + 0.7 \times 0.7 - 2 \times 1.7 \times 0.7 =$
 (A) 1 (B) 2
 (C) 0 (D) -1
21. If $\frac{\sqrt{1296}}{x} = \frac{x}{2.25}$ then value of x is
 (A) 0.9 (B) 0.09
 (C) 9 (D) 1.9
22. Three angles of quadrilateral are in the ratio 3 : 4 : 5. The difference of the least and the greatest of these angles is 45° . All the four angles of the quadrilateral are ____ .
 (A) $63^\circ, 84^\circ, 105^\circ, 108^\circ$
 (B) $60^\circ, 75^\circ, 120^\circ, 105^\circ$
 (C) $65^\circ, 80^\circ, 100^\circ, 110^\circ$
 (D) $85^\circ, 95^\circ, 100^\circ, 130^\circ$
23. The diagonals of a parallelogram ABCD intersect at O. If $\angle BOC = 90^\circ$ and $\angle BDC = 50^\circ$, then $\angle ACD$ is ____
 (A) 10° (B) 40°
 (C) 50° (D) 90°
24. Multiplicative inverse of $\frac{3}{5}$ is :
 (A) 1 (B) 0
 (C) $\frac{-3}{5}$ (D) $\frac{5}{3}$
25. The diagonals of a quadrilateral are equal and bisect each other. The quadrilateral has to be:
 (A) any parallelogram (B) any rectangle
 (C) any trapezium (D) any rhombus
26. Force is a :
 (A) Vector quantity (B) Scalar quantity
 (C) Both (A) & (B) (D) None of these
27. On drawing water from a well, a force of _____ is applied on the rope.
 (A) pull (B) push
 (C) push or pull (D) none of these
28. A camel can walk/run in deserts very easily as compared to horse, donkey etc, because its :
 (A) feet are smaller (B) weight is lesser
 (C) feet are broader (D) body is heavier
29. The atmosphere exerts a pressure P on the surface of earth. Here P is equal to
 (A) $1.01 \times 10^5 \text{ Nm}^{-2}$
 (B) $1.01 \times 10^{-5} \text{ Nm}^{-2}$
 (C) $1.01 \times 10^7 \text{ Nm}^{-2}$
 (D) $1.01 \times 10^{-7} \text{ Nm}^{-2}$
30. Forces of adhesion are caused due to :
 (A) Magnetic attractions
 (B) Gravitational attractions
 (C) Electrostatic attractions
 (D) Frictional forces
31. A ball is thrown vertically upwards. Force of friction offered by wind to the ball will act :
 (A) downwards
 (B) upwards
 (C) perpendicular to the direction of motion of force
 (D) none of these
32. The frequency of the object making 10 oscillations in 1 second is equal to
 (A) 1 Hz. (B) 5 Hz.
 (C) 8 Hz. (D) 10 Hz.
33. We are unable to hear the sound
 (A) of an electric bell.
 (B) inside an evacuated glass jar.
 (C) having frequency of 100 Hz.
 (D) through water.

Space For Rough Work

34. When we play mridangam, we strike the
(A) string.
(B) membrane.
(C) air-column.
(D) whole instrument.
35. Sound is produced by vibrations in a medium which are carried in
(A) downward direction only.
(B) opposite direction only.
(C) upward direction only.
(D) all directions.
36. Rayon was obtained by the chemical treatment of
(A) paper. (B) wood pulp.
(C) fruit pulp. (D) cloth.
37. Parachutes and ropes used for climbing a mountain are made of
(A) rayon. (B) polyester.
(C) acrylic. (D) nylon.
38. Metals found in free state are known to be in
(A) solid state. (B) liquid state.
(C) gaseous state. (D) native state.
39. The thin wire seen inside the bulb is made of
(A) tungsten. (B) nickel.
(C) tin. (D) silver.
40. One of the best solution to get rid of non - biodegradable wastes is _____
(A) burning (B) dumping
(C) burying (D) recycling
41. Which of the following is / are non biodegradable waste :
(A) Metal (B) Diamond
(C) Plastic toys (D) All
42. The reaction of acids with a base to form salt and water is termed as
(A) oxidation. (B) reduction.
(C) neutralization. (D) crystallisation.
43. An example of physical change is
(A) rusting of iron.
(B) dissolution of sugar in water.
(C) cooking of food.
(D) burning of magnesium ribbon.
44. Gold is mixed with copper to :
(A) make gold soft
(B) make gold hard
(C) make gold more yellowish
(D) give gold lustre
45. The process of giving a coating of _____ to copper or brass is called tinning.
(A) zinc (B) copper
(C) tin (D) iron
46. Fertilizers are used to improve crop yields, as they
(A) are rich in inorganic nutrients.
(B) are rich in organic nutrients.
(C) are rich in humus.
(D) are rich in chemicals that kill weeds.
47. The micro-organism used in the preparation of bread is
(A) bacteria. (B) virus.
(C) algae (D) yeast.
48. Separation of chaff from grains occur through
(A) Winnowing (B) Ploughing
(C) Broadcasting (D) None of these
49. Continuous growing of crops make the soil poorer and less-fertile, we can replenish soil by following method-
(A) Crop-rotation
(B) Using weedicides
(C) Levelling
(D) Ploughing
50. An unicellular micro-organism is
(A) protozoa. (B) mould.
(C) mushroom. (D) rhizopus.

Space For Rough Work

51. The first Reserve Forest of India is
 (A) Satpura national park.
 (B) Panchmarhi park.
 (C) Kaziranga sanctuary.
 (D) Great Biosphere Reserve.
52. Removal of weeds is necessary for plant growth because weeds
 (A) compete with crop for nutrition.
 (B) cause diseases in crop.
 (C) delay the harvesting time of the crop.
 (D) attract the insects and birds towards the crop.
53. The simplest protozoan is
 (A) Amoeba. (B) Paramecium.
 (C) Euglena. (D) Plasmodium.
54. The activity not prohibited in a protected area meant for protection of plants and animals is
 (A) hunting. (B) poaching.
 (C) cultivation. (D) tourism.
55. Ploughs are used for
 (A) harvesting. (B) tilling.
 (C) irrigation. (D) sowing.
56. Pointing to a photograph of a girl, Rajan said "She has no sisters or daughters but her mother is the only daughter of my mother." How is the girl in the photograph related with Rajan's mother?
 (A) Sister-in-law
 (B) Grand daughter
 (C) Daughter-in-law
 (D) Cannot be determined

Directions (57) : Read the given information carefully and answer the questions that follow.
 Ratan, Anil, Pinku and Gaurav are brothers of Rakhi, Sangeeta, Pooja and Saroj, not necessarily in that order. Each boy has one sister and the names of bothers and sisters do not begin with the same letter. Pinku and Gaurav are not Saroj's or Sangeeta's brothers. Saroj is not Ratan's sister.

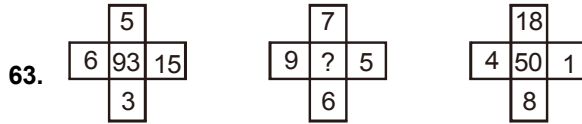
57. Pooja's brother is
 (A) Ratan (B) Anil
 (C) Pinku (D) Gaurav

Directions (58 to 59) : Two groups of letters to the left side of the sign :: are associated with each other following same rule. You have to select one group of letters from the given alternative that will replace the sign : and form the same association with the group given to the right of sign ::

58. $121 : 12 :: 25 : ?$
 (A) 1 (B) 2
 (C) 6 (D) 7
59. $01 : 08 :: 16 : ?$
 (A) 25 (B) 125
 (C) 64 (D) 27
60. While facing East you turn to your left and walk 10 m; then turn to your left and walk 10 m, and now you turn 45° towards your right and go straight to cover 25 m. Now, in which direction are you from your starting point?
 (A) North-East (B) South-West
 (C) South-East (D) North-West
61. If **rains** is called **pink**, **pink** is called **cloud**, **cloud** is called **water**, **water** is called **breeze** and **breeze** is called **moon**. What do you wash your hands with ?
 (A) Water (B) Rain
 (C) Breeze (D) Moon
62. In a certain code **DELHI** is written as **29874** **CULCUTTA** is written as **35835661** then the word **CALICUT** will be coded as :
 (A) 3185463 (B) 3184635
 (C) 3184563 (D) 3184356

Space For Rough Work

Direction : Find the missing number in figure/series



- (A) 5 (B) 19
(C) 27 (D) 89

64. 111, 114, 120, 123, 129, ?

- (A) 136 (B) 138
(C) 141 (D) 145

65. 0, 6, 20, 42, 72, ?

- (A) 106 (B) 112
(C) 110 (D) 108

66. Arrange the following group such that when arranged in a specific order, meaningful word is formed.

R A C E T

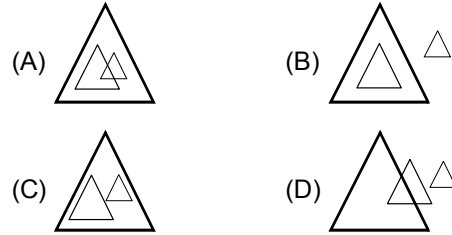
1 2 3 4 5

- (A) 1, 2, 3, 4, 5 (B) 3, 2, 1, 4, 5
(C) 5, 2, 3, 4, 1 (D) 5, 1, 2, 3, 4

67. Given interchanges : signs + and \times ; numbers 1 and 3.

- (A) $31 + 34 \times 31 = 1085$
(B) $31 + 34 \times 31 = 395$
(C) $13 + 34 \times 13 = 195$
(D) $31 + 14 \times 13 = 213$

68. Which of the following represents the relationship between animals, elephants and lions ?



Directions : (69 to 70)

(i) J, K, L, M, N, O, P, and Q are sitting in a line facing towards East.

(ii) J is fourth to the right of N.

(iii) Q is fourth to the left of M.

(iv) L and O are not at the ends and are neighbours of K and P respectively.

(v) Q is next to the left of J and J is the neighbour of K.

69. What is the position of O ?

- (A) To the right of N
(B) Next to the right of L
(C) Next to the right of M
(D) Between P and J

70. Which of the following is true ?

- (A) P is the neighbour of Q and J
(B) L is next to the right of J
(C) N is at left end
(D) M is next to the left of K

JEE MAINS RESULT 2023



BHARUCH TOPPER

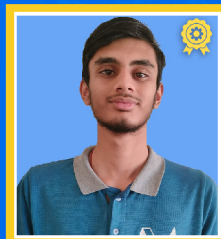
AAYUSH SINGH

99.90%ile



AAYUSH GARG

99.76%ile



HRIDYA PANDYA

99.71%ile



TANISH PATEL

99.30%ile



MUKTIK PATEL

99.25%ile



POONAM PATIL

98.97%ile



PARTH BHATT

98.93%ile



ARYAN PATEL

98.90%ile



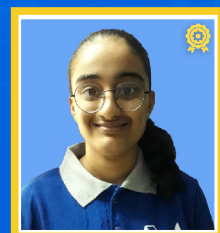
NEELABH RANA

98.82%ile



KRISH PATEL

98.57%ile



HARDEE PAREKH

98.45%ile

JEE ADVANCED RESULT 2023



AIR

1955

AYUSH SINGH



AIR

4559

HRIDAY PANDYA



AIR

4828

AYUSH GARG



AIR

2097*

NEELABH RANA



AIR

9411

TANISH



AIR

11177

POONAM PATIL



AIR

12311

HARDEE PAREKH



AIR

15294

MUKTIK



AIR

17193

MAYANK SINGH



AIR

17686

PARTH BHATT

10th GSEB RESULT 2023

DISHA JADAV



563/600

99.84%ile

OUT OF 40 STUDENTS

99%ILE & ABOVE - **06 STUDENTS** 98%ILE & ABOVE - **11 STUDENTS**

95%ILE & ABOVE - **32 STUDENTS**

PARV SHAH



559/600

99.77%ile

NEEV VITHLANI



554/600

99.63%ile

UMANG MODI



546/600

99.33%ile

SHREY DAVE



545/600

99.28%ile

TEJ GODASARA



545/600

99.28%ile

SHREYANSH



534/600

98.66%ile

DEV JAYSWAL



533/600

98.60%ile

JUSAL DESAI



533/600

98.60%ile

NIRVEE PATEL



528/600

98.23%ile

RUDRA D PATEL



525/600

98.01%ile

VAISHVI PATEL



518/600

97.40%ile

PRIYANSH PATEL



509/600

96.53%ile

10th CBSE RESULT 2023

ABPS TOPPER



MITUL CHOUDHARY

97.60%

OUT OF 105 STUDENTS

95% & ABOVE - **10 STUDENTS** 85% & ABOVE - **75 STUDENTS**

90% & ABOVE - **41 STUDENTS** 80% & ABOVE - **92 STUDENTS**



SOUMIL BISWAS

97.40%



TRISHA VAISHNAV

97.20%



RAHEE

95.60%



GRESA VACHHANI

95.40%



MAAHI PATEL

95.20%

JAY AMBE TOPPER



SAANVI SWAIN

95.20%



KANISHKA

95.00%



OM RAMI

95.00%



YAKSH PATEL

95.00%



JAYSINH RAHEVAR

94.80%



JEEYA PATEL

94.80%



ATHARVA PATIL

94.80%