

Reso-NET SAMPLE TEST PAPER

FOR STUDENTS MOVING IN CLASS-VII IN 2019-20

Time : 1½ Hr.

Max. Marks : 210

GENERAL INSTRUCTIONS

1. Question paper contains 70 questions of Mathematics (1 to 25), Physics (26 to 35), Chemistry (36 to 45), Biology (46 to 55) & Mental Ability (56 to 70), each question carry 3 mark.
2. Blank papers, clip boards, log tables, slide rule, calculators, mobile or any other electronic gadgets in any form is not allowed.
3. Write your Name and Roll No. in the space provided in the bottom of this booklet.
4. Before answering the paper, fill up the required details in the blank space provided in the answer sheet.
5. Do not forget to mention your roll number neatly and clearly in the blank space provided in the answer sheet.
6. There is no negative marks for wrong answer.
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. In case of any dispute, the answer filled in the OMR sheet available with the institute shall be final.

MARKING CRITERIA

No. of Questions	Type	Marks		
		Correct	Incorrect	Blank
1-70	Only one correct	Q. No. 1 to 70 (3 Mark each)	NO NEGATIVE MARKS	0

IMPORTANT

PROCEDURE OF FILLING UP THE ANSWERS IN OMR SHEET

Wrong Filling

- A B C D Tick mark
 A B C D Cross mark
 A B C D Half filled or semi dark
 A B C D Light filled

Right Filling

- A B C D Fully darken with HB Pencil
 A B C D Fully darken with HB Pencil
 A B C D Fully darken with HB Pencil
 A B C D Fully darken with HB Pencil

Name : _____ Roll No. : _____

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Syllabus of Class-VI_Reso NET

Mathematics :

- ❖ Knowing Our Number
- ❖ Whole Numbers
- ❖ Playing With Numbers
- ❖ Integers
- ❖ Fractions
- ❖ Decimals
- ❖ Introduction to Algebra
- ❖ Ratio and proportion
- ❖ Basic Geometrical Ideas
- ❖ Understanding Elementary Shapes
- ❖ Symmetry
- ❖ Practical geometry
- ❖ Mensuration
- ❖ Data handling

Physics :

- ❖ Motion & Measurement of Distance
- ❖ Force, Work, Energy
- ❖ Simple Machine
- ❖ Electricity & Circuit
- ❖ Light
- ❖ Fun with Magnetism
- ❖ Universe

Chemistry :

- ❖ Matter & Its Segregation
- ❖ Materials of Daily Use Clothes
- ❖ Classification & diversity in matter
- ❖ World of Changes
- ❖ Importance of Air
- ❖ Water precious Resource

Biology :

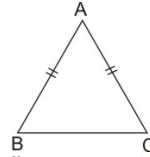
- ❖ Getting to Know Plants
- ❖ Food
- ❖ Living Organisms & Their Surrounding
- ❖ Body Movement
- ❖ Garbage in garbage out

Mental Ability :

- ❖ Alphabet Test
- ❖ Number Series
- ❖ Alphabet Series
- ❖ Missing term in figure
- ❖ Mathematical operations
- ❖ Coding-Decoding
- ❖ Direction Sense
- ❖ Puzzle Test
- ❖ Analogy
- ❖ Classification
- ❖ Non-Verbal Series
- ❖ Non-Verbal Analogy
- ❖ Calendar
- ❖ Water Mirror Image
- ❖ Puzzle Test

1. Express five hundred three million eight thousand seven hundred two in figures:
(A) 500380702 (B) 503800702
(C) 503008702 (D) 503080702
2. $6 \times (7 \times 3) = (6 \times 7) \times 3$ is an example of
(A) Associative Property
(B) Closure Property
(C) Commutative Property
(D) Distributive Property
3. Which of the following number is divisible by 6?
(A) 12930 (B) 12935
(C) 12933 (D) 12932
4. The value of $|7 - 8| \times |3 - 3|$
(A) 1. (B) 0.
(C) -1 (D) None of these
5. Equivalent fraction of $\frac{13}{18}$ with denominator 162 is
(A) $\frac{117}{162}$ (B) $\frac{107}{162}$
(C) $\frac{94}{162}$ (D) $\frac{69}{162}$
6. Ritu's school is at a distance of 6 km 530 m from her home. She traveled 1 km 70 m by foot and rest by bus. How much distance did she covered by bus?
(A) 8.460 km (B) 7.500 km
(C) 6.490 km (D) 5.460 km
7. If the sum of twice a number and 15 is 75, then the number is
(A) 40 (B) 30
(C) 20 (D) 10
8. The ratio of 200ml to 3 litres is
(A) 3 : 20. (B) 1 : 15.
(C) 3 : 17. (D) 200 : 3
9. If the angles of a triangle are in the ratio of 6: 5: 4, then the measure of each angle of a triangle will be
(A) 70° , 60° and 50° (B) 72° , 60° and 48°
(C) 72° , 62° and 46° (D) 75° , 65° and 40°

10. An isosceles triangle has

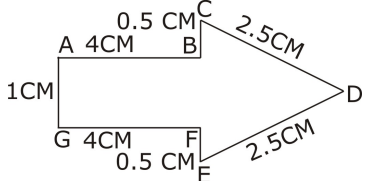


- (A) one line symmetry.
(B) two lines symmetry.
(C) three lines symmetry.
(D) four lines symmetry.
11. Line of symmetry of the given figure is



- (A) one. (B) two.
(C) three. (D) four.
12. The area of a rectangle is given by the product of its length and breadth. The breadth of a rectangle is two third of its length. If its length is x cm, then its area will be
(A) x^2 cm². (B) $\frac{2}{3}x$ cm²
(C) $\frac{2}{3}x^2$ cm² (D) $\left(\frac{2}{3}x + x\right)$ cm²
13. The ratio of two numbers is 3:8 and their difference is 115, then the smaller of the two number is
(A) 59. (B) 69.
(C) 184. (D) 194.
14. The choices of the fruits of 44 students in a class are as follows :
A, O, B, M, A, G, B, G, A, G, B, M, A, G, M, A,
B, G, M, B, A, O, M, O, G, O, B, O, M, G, A, A,
B, M, O, M, G, B, A, M, O, M, O, O, Where A,
B, G, M and O stand for the fruits Apple,
Banana, grapes, Mango and Orange respectively.
Which two fruits are liked by an equal number of students ?
(A) A and M (B) M and B
(C) B and O (D) B and G

(Space For Rough Work)

15. I as a Roman numeral, am CMXCIX. Break me up and then can you recognise me ?
 (A) 9910 (B) 999
 (C) 1109 (D) 1119
16. The correct option is
 (A) All natural numbers are whole numbers.
 (B) Successor of a two digit number is always a two digit number.
 (C) Zero is the smallest natural number.
 (D) 1 is the smallest whole number.
17. The two numbers which have only 1 as their common factor are called
 (A) co-primes. (B) twin primes.
 (C) composites. (D) integers.
18. What will be the total cost of 3kg bananas, 2kg oranges and $\frac{1}{2}$ kg papaya, if the cost of bananas is 30 Rs/kg, oranges is 40 Rs/kg and papayas is 20 Rs/kg?
 (A) 180 (B) 190
 (C) 200 (D) 210
19. Tarun reads 25 pages of a book containing 100 pages. Neha reads $\frac{3}{4}$ pages of the same book. Then Neha reads :
 (A) 25 pages. (B) 50 pages.
 (C) 75 pages. (D) 100 pages.
20. 3 kg 57 g can be expressed in grams as
 (A) 30057. (B) 3057.
 (C) 3570. (D) 3050
21. If John covers x centimetres in one step, then 9 steps covers in
 (A) 9x centimetres.
 (B) (9 + x) centimetres.
 (C) (9 - x) centimetres.
 (D) (9/x) centimetres.
22. The sum of $[(-101) - (29) + (-33) - (-84) + (68)]$ is
 (A) -315 (B) -11
 (C) +11 (D) +315
23. The perimeter of the given figure is

 (A) 10 cm. (B) 12 cm.
 (C) 15 cm. (D) 20 cm.
24. Measures of the two angles between hour and minute hands of a clock at 9 O' clock are
 (A) 60° , 360° (B) 270° , 90°
 (C) 75° , 285° (D) 30° , 330°
25. Find the perimeter of an isosceles triangle with equal sides 8 cm each and third side is 6cm.
 (A) 25 cm (B) 18 cm
 (C) 20 cm (D) 22 cm
26. Speed can be defined as the distance travelled by a moving object :
 (A) per unit time.
 (B) in any time.
 (C) by light.
 (D) multiplied by the time taken
27. An example of contact force is:
 (A) gravitational force
 (B) magnetic force
 (C) electrostatic force
 (D) frictional force
28. The moving parts of the machine should be :
 (A) painted (B) lubricated
 (C) covered (D) none of these
29. How many terminals are there in a battery ?
 (A) 3 (B) 2
 (C) 1 (D) 4
30. Sending of light back in same medium by object is :
 (A) Reflection (B) Refraction
 (C) Both of these (D) None of these

(Space For Rough Work)

31. Which of the following action will not make a magnet loose its magnetic properties:
 (A) Drop a magnet from height.
 (B) Hammer a magnet.
 (C) Heat a magnet.
 (D) None of these
32. The shape of the Milky Way Galaxy is :
 (A) Spherical (B) Elliptical.
 (C) Spiral (D) Circular.
33. Wet rubber is a/an :
 (A) conductor (B) insulators
 (C) both A & B (D) none of these
34. The colour of a shadow is :
 (A) Always black and white
 (B) Only black
 (C) Only white
 (D) Same as that of object
35. _____ is a device used by pilots and navigators used to find the direction.
 (A) Barometer (B) Thermometer
 (C) Magnetic compass (D) None
36. The substance which does not sublime on heating is -
 (A) potassium chloride
 (B) ammonium chloride
 (C) iodine
 (D) solid CO₂
37. Cotton is a :
 (A) cellulose fibre (B) protein fibre
 (C) fat fibre (D) mineral fibre
38. Milk and water dissolve in each other. They are :
 (A) immiscible liquids
 (B) solvent and solution
 (C) solute and solution
 (D) miscible liquids
39. The formation of cloud is a :
 (A) physical change. (B) chemical change.
 (C) biological change. (D) social change.
40. The constituent of air that supports combustion is-
 (A) oxygen (B) nitrogen
 (C) carbon dioxide (D) (A) and (B) both
41. Pure water is :
 (A) good conductor of electricity.
 (B) poor conductor of electricity.
 (C) semiconductor.
 (D) superconductor.
42. A glass containing muddy water is left undisturbed. After sometime the particles of mud settle at the bottom. This is called :
 (A) decantation. (B) filtration.
 (C) sedimentation. (D) evaporation.
43. Flax is a type of :
 (A) animal. (B) plastic.
 (C) plant. (D) fabric.
44. Which of the following allow/s light to pass through it ?
 (A) Transparent (B) Translucent
 (C) A & B both (D) Opaque
45. The mixture of sand, salt and water can be separated by-
 (A) sublimation (B) filtration
 (C) distillation (D) (B) followed by (C)
46. After photosynthesis, carbohydrates in plant ultimately get converted into :
 (A) starch. (B) glycogen
 (C) glucose. (D) carbon dioxide
47. Food moves in the alimentary canal from one region to another by a process called :
 (A) locomotion. (B) pumping.
 (C) peristalsis. (D) diastole.
48. An example of aquatic plant is
 (A) acacia. (B) cactus.
 (C) hydrilla. (D) ber.

(Space For Rough Work)

49. A cord of dense tissue that connects a muscles to bone is a
 (A) ligament (B) tendon
 (C) cartilage (D) fibre

50. Vermicomposting involves
 (A) leech (B) cockroach
 (C) earthworm (D) roundworm

51. The process by which autotrophs make their food is known as :
 (A) respiration. (B) photosynthesis.
 (C) chemosynthesis. (D) digestion.

52. The organic molecules produced directly by photosynthesis are :
 (A) DNA. (B) amino acids.
 (C) sugars. (D) lipids.]

53. Which of these is not a natural habitat ?
 (A) Sea (B) Desert
 (C) Zoo (D) Mountain

54. Fixed or immovable joints is present in -
 (A) vertebrae (B) shoulder joint
 (C) skull bones (D) knee joint

55. Biodegradable waste does not include
 (A) Vegetable peels (B) Leftover food
 (C) Used paper (D) Glass

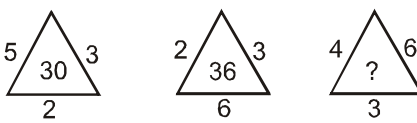
56. Arrange the following words in a meaningful order.

- | | |
|---------------|---------------|
| 1. Elephant | 2. Cat |
| 3. Mosquito | 4. Tiger |
| 5. Whale | |
| (A) 1,3,5,4,2 | (B) 2,5,1,4,3 |
| (C) 3,2,4,1,5 | (D) 5,3,1,2,4 |

Directions : (57 to 59) Find the missing terms :

57. 7, 12, 22, 37, ?, 82, 112
 (A) 62 (B) 57
 (C) 52 (D) 42

58. W, V, T, S, Q, P, N, M, ?, ?
 (A) I, J (B) J, I
 (C) J, K (D) K, J

59. 
 (A) 62 (B) 72
 (C) 82 (D) 92

60. $0.2 + 0.2 - 0.2 \div 0.2 \times (0.2 \times 0.2)$, on simplification, gives :
 (A) 0.04 (B) 0.2
 (C) 0.36 (D) 1

61. If **Eye** is called **Hand**, **Hand** is called **Mouth**, **Mouth** is called **Ear**, **Ear** is called **Nose** and **Nose** is called **Tongue**, with which of the following would a person **hear** ?
 (A) Eye (B) Mouth
 (C) Nose (D) Ear

62. Raman starts from his house which faces South and after 100 metre of walking straight turns left. Again he walks 100 metres and turns right. Again he walks 55 m and turns right. Which direction is he facing now ?
 (A) North (B) South
 (C) West (D) East

Directions : (63) Read following information carefully and answer the questions given below it :

- (i) A and B are good in Biology & Chemistry.
- (ii) A & C are good in Biology & Physics.
- (iii) C, D & E are good in Physics & History.
- (iv) C & E are good in Physics & Mathematics.
- (v) D & B are good in Chemistry & History.

63. Who is good in Physics, History & Mathematics but not in Biology ?
 (A) D (B) C
 (C) A (D) E

(Space For Rough Work)

Directions : (64) In each of the following questions, there are two terms to the left of the sign :: which are related in some way. Obtain the same relationship between the term to the right of the sign :: from one of the four alternatives given under it.

64. 9 : 81 :: ? : 256
 (A) 16 (B) 12
 (C) 14 (D) 18

Direction (65) : Find the odd term out :

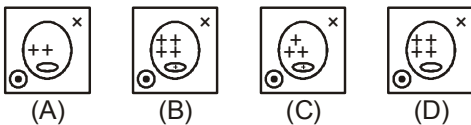
65. (A) Transport (B) Bus
 (C) Car (D) Train

Direction : (66) In the following question there are two sets of figures, one set contains problem figures, another set contains answer figures. There is a sequence according to which the problem figures are arranged, select one figure from the set of answer figures which can be placed in sequence after the set of problem figures.

66. **Problem figures**

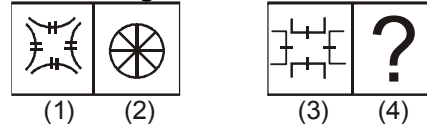


Answer figures

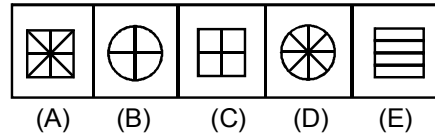


Directions : (67) Figures 1 and 2 are related in a particular manner. Establish the same relationship between figures 3 and 4 by choosing a figure from amongst the five alternatives, which would replace the question mark in figure (4).

67. **Problem Figures**

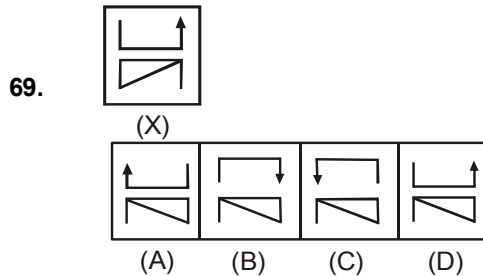


Answer Figures



68. Which of the following is not a leap year ?
 (A) 1900 (B) 896
 (C) 1224 (D) 2000

Direction : (69) In the following question, choose the correct mirror image from alternatives A, B, C, and D of the figure (X).



70. (In question no. 63) Who is good in Physics, History, Mathematics & Biology ?
 (A) C (B) E
 (C) D (D) B

ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	C	A	A	B	A	D	B	B	B	A	B	C	B	D	B
Ques.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	A	A	A	C	B	A	B	C	B	D	A	D	B	B	A
Ques.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	D	C	B	B	C	A	A	D	A	A	B	C	C	C	D
Ques.	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Ans.	A	C	C	B	C	B	C	C	C	D	C	B	D	B	C
Ques.	61	62	63	64	65	66	67	68	69	70					
Ans.	C	C	D	A	A	D	C	A	A	A					