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Reso-FAST SAMPLE TEST PAPER
FOR STUDENTS MOVING IN CLASS-VII IN 2019-20
(PRESENTLY STUDYING IN CLASS-VI IN 2018-19)

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		Right Filling	
Ⓐ Ⓑ Ⓒ Ⓓ	Tick mark	Ⓐ ● Ⓒ Ⓓ	Fully darken with HB Pencil
Ⓐ Ⓑ Ⓒ Ⓓ	Cross mark	Ⓐ ● Ⓒ Ⓓ	Fully darken with HB Pencil
Ⓐ Ⓑ Ⓒ Ⓓ	Half filled or semi dark	Ⓐ ● Ⓒ Ⓓ	Fully darken with HB Pencil
● Ⓑ Ⓒ Ⓓ	Light filled	● Ⓑ Ⓒ Ⓓ	Fully darken with HB Pencil

Name : _____ Roll No. : _____

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Syllabus of class-VI_ Reso FAST

MATHEMATICS :

- ❖ Knowing our number
- ❖ Playing with numbers
- ❖ Fraction
- ❖ Introduction to algebra
- ❖ Whole Number
- ❖ Integers
- ❖ Decimal

PHYSICS :

- ❖ Motion and measurement of distances
- ❖ Simple Machine
- ❖ Force, Work, Energy

CHEMISTRY :

- ❖ Matter & Its segregation
- ❖ Classification & diversity in matter
- ❖ Materials of daily uses clothes

BIOLOGY :

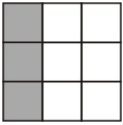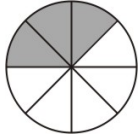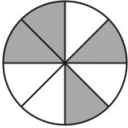- ❖ Getting to know plants
- ❖ Living organisms & surroundings
- ❖ Food

MENTAL ABILITY :

- ❖ Number series
- ❖ Missing term in figures
- ❖ Coding-decoding
- ❖ Seating arrangement
- ❖ Alphabet series
- ❖ Alphabet test
- ❖ Direction sense test
- ❖ Mathematical operations

1. Roman numerals for 498 is:
   (A) CDCXVIII   (B) CDCXIV
   (C) CDXCVIII   (D) CDXCVII

2. According to International System, the number 648340021 would be written with commas as:
   (A) 648,340,021   (B) 6,4,8,3,0,0,2,1
   (C) 64,83,40,02,1   (D) none

3. In the product of 37 and 23, what is the place value of the digit which is prime ?
   (A) 500   (B) 700
   (C) 800   (D) 50

4. Using the digits 1, 4, 6 and 8 each only once, how many four digit odd numbers can be formed?
   (A) 4   (B) 5
   (C) 3   (D) 6

5. 3 x 1000 + 5 x 10 + 2 x 1 Given in the expanded Form. The number is
   (A) 0352.   (B) 3002.
   (C) 3052.   (D) 3573.

6. The product of two odd numbers is
   (A) an even number
   (B) an odd number
   (C) Either even or odd
   (D) Multiple of 7 or 2

7. The difference between the largest 5-digit number with distinct digits and the smallest 5-digit number with distinct digits is
   (A) 88,531   (B) 89, 999.
   (C) 86,420   (D) 119,999.

8. 38 + 83 = 83 + 38 is an example of
   (A) commutative property.
   (B) associative property.
   (C) closure property.
   (D) distributive property.

9. The multiplicative identity element of whole numbers is
   (A) 2   (B) 1
   (C) 0   (D) -1

10. The number divisible by 11 is
    (A) 1,116,365.   (B) 1,802,701.
    (C) 8,790,322.   (D) 901,351.

11. The smallest number of 4- digits exactly divisible by 12,15, 20 and 35 is
    (A) 1000   (B) 1160
    (C) 1260   (D) 1360

12. The number which is neither prime nor composite is
    (A) 4   (B) 1
    (C) 2   (D) 5

13. All the factors of 25 are
    (A) 1, 5, 25   (B) 1, 5, 15
    (C) 1, 5, 20   (D) 1, 2, 4

14. The number that is equal to its additive inverse is
    (A) -1   (B) 0
    (C) +1   (D) 100

15. The correct sequence of the numbers in ascending order is _____
    (A) $0 < -1 < -2$ (B) $1 < -1 < 0$
    (C) $-1 < 0 < 1$ (D) $-2 < -3 < -4$

16. Find. $(-7) - 8 - (-20)$
    (A) -5 (B) $+25$
    (C) $+5$ (D) -8

17. On moving 8 steps to the right of -5, Rita will get
    (A) +3   (B) +5
    (C) +8   (D) +13

18. Which of the following is correct definition of Like Fractions?
    (A) Fractions which do not have the same denominator
    (B) Fractions which have the same denominator
    (C) Fractions which have the same numerator
    (D) Fractions which do not have the same numerator

(Space For Rough Work)

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19. Figure represents the fraction 3/9 is

(A)

(B)

(C)

(D) all of them.

20. If $3 - \dfrac{12}{5} = x$, then the value of x will be.

(A) $\dfrac{4}{5}$ (B) $\dfrac{3}{5}$

(C) $\dfrac{2}{5}$ (D) $\dfrac{1}{5}$

21. Two tens and 9 tenth can be written as
(A) 200.9   (B) 20.9
(C) 20.09   (D) 02.09

22. The value of 360 mm in metre is
(A) 36 m.   (B) 3.06 m.
(C) 3.6 m.   (D) 0.36 m.

23. An algebraic expression of three distinct terms is known as
(A) monomial.   (B) binomial.
(C) trinomial.   (D) quadrinomial.

24. Simplified form of $3y^3 + |2y^3 - 4y^2 - \{-y^2 + (3y^2 - 4y^2) + y - 2 \}-7]$ is

(A) $5y^3 - 2y^2 - y - 5$

(B) $5y^3 - 2y^2 - y + 5$

(C) $5y^3 - 2y^2 + y - 5$

(D) $-5y^3 - 2y^2 + y - 5$

25. 3 times x added to 7 times y gives
(A) 3x + 7y   (B) 3x – 7y
(C) 7y – 3x   (D) 3x/7y

26. Foot, Stride, Fathom are the units of :
(A) Time   (B) Length
(C) Mass   (D) Weight

27. 1 dam is equal to :
(A) 10m   (B) 1000 cm
(C) Both (A) and (B)   (D) None of these

28. Length of curved line is measured by using :
(A) Scale
(B) String
(C) Ruler
(D) Can`t be measured

29. Lifting a bucket of water is an example of :
(A) Frictional force.   (B) Muscular force.
(C) Gravitational force.   (D) Magnetic force.

30. To pick out iron pieces from garbage, the garbage pickers often use the :
(A) Muscular force.   (B) Magnetic force.
(C) Frictional force.   (D) Electrostatic force.

31. Choose the source of energy which is different from others :
(A) Gobar gas   (B) Vegetable refuse
(C) Plants   (D) Crude oil

32. A machine can
(A) Divide force
(B) Decrease speed
(C) Change the direction of the force applied
(D) All of these

33. A first order lever always has .... in the middle.
(A) fulcrum
(B) effort force
(C) resistance force
(D) mechanical advantage

34. Which is an example of lever of first order ?
(A) Scissor   (B) See-saw
(C) Pliers   (D) All of these

35. Which is an example of lever of third order ?
(A) Scissor   (B) See-saw
(C) Claw hammer   (D) Sugar tongs

(Space For Rough Work)

36. Two examples of animal fibres are
(A) cotton and wool.　(B) cotton and flax.
(C) silk and jute.　(D) wool and silk.

37. The instrument that measures the density of liquids is
(A) hydrometer.　(B) hygrometer.
(C) density meter.　(D) ammeter

38. Pure water is
(A) good conductor of electricity.
(B) poor conductor of electricity.
(C) semiconductor.
(D) superconductor

39. The following groups of non-living objects that can be classified as man-made is
(A) aerated drinks, ice cream and pizza.
(B) milk, biscuits and bread.
(C) Mango, orange and tomato.
(D) tomato, sandwich and chocolate

40. The object which is made from coconut fibers is
(A) sweaters.　(B) brushes.
(C) mattresses.　(D) clothes.

41. The best conductor of electricity is
(A) zinc.　(B) silver.
(C) copper.　(D) gold.

42. Pebbles and stones are removed from sand by
(A) hand picking.　(B) winnowing.
(C) threshing.　(D) sieving.

43. Sugar is obtained from sugar solution by
(A) magnetic separation.　(B) decantation.
(C) evaporation.　(D) loading.

44. Filtration is used for separating
(A) salt from sea water.
(B) vegetables from soup.
(C) cream from milk.
(D) iron nails from sand

45. The part of the cotton plant that yields cotton boll is
(A) leaf.　(B) fruit.
(C) seed.　(D) stem.

46. Rat is
(A) carnivorous.　(B) herbivorous.
(C) omnivorous.　(D) insectivorous.

47. An animal that eats fruits of trees is
(A) cat.　(B) monkey.
(C) eagle.　(D) snake.

48. All of the given are milk product except
(A) cream.　(B) cheese.
(C) chapati.　(D) ghee.

49. All of the given can feed on insects except
(A) crocodile.　(B) frog.
(C) lizard.　(D) snake.

50. An edible root is
(A) ginger.　(B) potato.
(C) carrot.　(D) onion.

51. Conduction of water is the function of:
(A) leaf.　(B) stem.
(C) root.　(D) flower.

52. On a hot summer day, the leaves of a plant droop down because
(A) the plant becomes weak.
(B) excessive transpiration takes place.
(C) excessive photosynthesis takes place.
(D) no transpiration occurs.

53. When the venation appears as a net-like design on both sides of the midrib it is called:
(A) parallel venation.　(B) simple venation.
(C) reticulate venation.　(D) random venation.

54. Femal e reproductive part of Plant -
(A) Stamen　(B) Pistil
(C) Flower　(D) None of these

55. Transpiration occurs mainly through the
(A) roots.　(B) stem.
(C) bud.　(D) leaves

Direction : (56) Find the missing number :
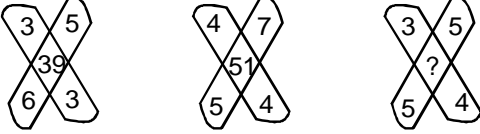
56. 1, 3, 7, 13, ?
(A) 19　(B) 23
(C) 21　(D) 25

(Space For Rough Work)

Direction : (57 to 58) Find the wrong term (s) :

57. 2, 6, 11, 17, 23, 32, 41
(A) 6   (B) 17
(C) 23   (D) 32

58. CDF, DEG, EFH, FHI
(A) CDF   (B) DEG
(C) FHI   (D) EFH

59. If the following names are arranged alphabetically, which of them will occupy the third position ?
(A) Surendra   (B) Sindhu
(C) Shurendra   (D) Sadhana

60. If **BOX** is coded as **CDPQYZ**, what will be the last two letters of word in the same code for **HERO** ?
(A) N, M   (B) M, N
(C) P, Q   (D) Q, P

Direction (61 to 62) Find the missing terms in the figure.

61.

(A) 47   (B) 45
(C) 37   (D) 35

62.

7	9	11
2	3	2
51	84	?

(A) 125   (B) 100
(C) 123   (D) 64

Directions : (63) Arrange the following group such that when arranged in a specific order, meaningful word is formed.

63.   T   R   I   F   U
      1   2   3   4   5
(A) 3,1, 2, 4, 5   (B) 4, 2, 5, 3, 1
(C) 4, 3, 2, 1, 5   (D) 5, 3, 2, 1, 4

64. If **air** is called **water**, **water** is called **green**, **green** is called **dust**, **dust** is called **yellow** and **yellow** is called **cloud**, which of the following does fish live in ?
(A) Air   (B) Water
(C) Green   (D) Dust

65. If **KLM** is written **18** then how would **SQR** be written in that code ?
(A) 30   (B) 54
(C) 26   (D) 27

66. Reena walks Eastwards after a while she turns to her left and then turn to her right. Finally she turn to her left. In which direction is she moving now ?
(A) West   (B) East
(C) South   (D) North

67. Rahul travels 8 km East, then 6 km north, How far is Amar from the starting point ?
(A) 16 kms.   (B) 10 kms.
(C) 6 kms.   (D) 5 kms.

Directions : (68 to 69) Read the following information carefully and answer the questions given below it :
(A) There are five friends.
(B) They are standing in a row facing South.
(C) J is to the immediate right of A.
(D) P is between B and S.
(E) S is between J and P.

68. Who is at the extreme left end ?
(A) A   (B) B
(C) S   (D) Data inadequate

69. Who is in the middle ?
(A) B   (B) J
(C) P   (D) S

70. What is the value of $10 \times 10 \div 10 = $?
(A) 10   (B) 1000
(C) 10000   (D) None of these

ANSWER KEY

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

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