

**Reso-FAST SAMPLE TEST PAPER**  
**FOR STUDENTS MOVING IN CLASS-VI IN 2019-20**  
**(PRESENTLY STUDYING IN CLASS-V 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)	<b>NO NEGATIVE MARKS</b>	0

**IMPORTANT**

**PROCEDURE OF FILLING UP THE ANSWERS IN OMR SHEET**

**Wrong Filling**

- |   |                          |
|---|--------------------------|
| (A) <input checked="" type="checkbox"/> (C) (D) | Tick mark                |
| (A) <input checked="" type="checkbox"/> (C) (D) | Cross mark               |
| (A) <input type="checkbox"/> (C) (D)            | Half filled or semi dark |
| (A) <input type="checkbox"/> (C) (D)            | Light filled             |

**Right Filling**

- |                                      |                             |
|--------------------------------------|-----------------------------|
| (A) (B) <input type="checkbox"/> (D) | Fully darken with HB Pencil |
| (A) (B) <input type="checkbox"/> (D) | Fully darken with HB Pencil |
| (A) (B) <input type="checkbox"/> (D) | Fully darken with HB Pencil |
| (A) <input type="checkbox"/> (C) (D) | Fully darken with HB Pencil |

Name : \_\_\_\_\_ Roll No. : \_\_\_\_\_

**PCCP Head Office**

**Address :** Plot No. A-51 [A], IPIA, Near Resonance CG Tower,  
 Behind City Mall, Jhalawar Road, Kota (Rajasthan)-324005

**Contact No. :** 8824078330

**Website :** www.pccp.resonance.ac.in **E-mail :** pccp@resonance.ac.in



# Syllabus of class-V\_ Reso FAST

---

## **MATHEMATICS :**

- ❖ Number and number names
- ❖ Simplification
- ❖ Fractions
- ❖ Operation on large number
- ❖ Factors & multiples
- ❖ Decimals

## **PHYSICS :**

- ❖ Motion and measurement of distances
- ❖ Simple machine

## **CHEMISTRY :**

- ❖ Air around us & water
- ❖ States of matter

## **BIOLOGY :**

- ❖ Nervous system
- ❖ Life styles in animals
- ❖ Reproduction in plants

## **MENTAL ABILITY**

- ❖ Number series
- ❖ Missing term in figures
- ❖ Alphabet test
- ❖ Analogy
- ❖ Alphabet series
- ❖ Mathematical operations
- ❖ Direction sense test

- The renovation of a school auditorium started on 16th October and was completed on 7th January the next year. The number of days of renovation was  
(A) 86 (B) 84  
(C) 85 (D) 114
- Find the place value of 8 in 812890  
(A) 800000 (B) 800  
(C) 80 (D) both (A) and (B)
- Mr. Davis travelled 5460 Kilometres in 3 months. What was the average distance he travelled each month?  
(A) 1820 kilometres (B) 1880 kilometres  
(C) 1826 kilometres (D) 1720 kilometres

**Direction( 4-6)**

Look at the card below and use it to answer the following questions



- Round off to the nearest ten lakhs  
(A) 1,35,00,000 (B) 1,37,00,000  
(C) 1,30,00,000 (D) 1,40,00,000
- Round off to the nearest lakh  
(A) 1,35,00,000 (B) 1,33,000  
(C) 1,34,00,000 (D) 1,34,50,000
- Round off to the nearest crore  
(A) 1,50,00,000 (B) 1,00,00,000  
(C) 2,00,00,000 (D) 0
- The reciprocal of  $\frac{1}{2} \div$  the reciprocal of  $\frac{1}{3}$  is  
(A)  $\frac{3}{2}$  (B)  $\frac{2}{3}$   
(C) 6 (D)  $\frac{1}{6}$

- Convert 600 in Roman numerals  
(A) XD (B) DC  
(C) DMC (D) CCCC
- The greatest factor of a number is  
(A) number  $\times$  0 (B) number  $\times$  2  
(C) number  $\times$  3 (D) number itself
- A bird makes  $\frac{3}{7}$  of it's nest in a day, the fraction of the part of left is \_\_\_\_\_  
(A)  $\frac{3}{7}$  (B)  $\frac{5}{7}$   
(C)  $\frac{4}{7}$  (D) 1
- A leap year has \_\_\_\_\_ full weeks and \_\_\_\_\_ extra days.  
(A) 53, 1 (B) 52, 2  
(C) 52, 1 (D) 53, 2
- $5345 + \text{_____} = 6000$   
(A) 633 (B) 655  
(C) 654 (D) 565
- The HCF of 18,45, 54, 60 is  
(A) 9 (B) 6  
(C) 18 (D) 3

**Direction (14-17)**

The image below shows the menu and rate list of a school cafeteria. Use it to answer the following questions (31 - 33).

Items	Price	Items	Price
Chips	Rs. 20	Ice-cream	Rs. 25
Muffin	Rs. 35	Water bottle	Rs. 15
Sandwich	Rs. 18	Cold Drink	Rs. 15
Rajma	Rs. 45	Chowmein	Rs. 50
Chawal			
Maggi	Rs. 30	Pasta	Rs. 46

- Pulkit gave the cashier Rs. 175. If he bought only Maggi, the number of plates of Maggi he bought and the change left is  
(A) 5, Rs. 25 (B) 4, Rs. 25  
(C) 5, Rs.0 (D) 6, Rs. 15

(Space For Rough Work)

15. Gaursha gave a treat to her friends on her birthday. She bought 2 muffins, 2 ice-creams, one plate rajmaachawal, 3 packets of chips and one cold drink. On giving the money, the cashier returned Rs. 20 to her. The money paid by her initially is  
 (A) Rs. 190 (B) Rs. 260  
 (C) Rs. 280 (D) Rs. 220
16. Ria ate a portion of pasta and sandwich but realised she had only Rs. 50 with her. Anika offered to pay the rest. The money paid by Anika is  
 (A) Rs. 16 (B) Rs. 24  
 (C) Rs. 14 (D) Rs. 13
17. The cost of one colour box is Rs. 25.72, the cost of 20 such colour boxes is  
 (A) Rs. 544.40 (B) Rs. 257.20  
 (C) Rs. 1028.80 (D) Rs. 514.40
18. Centimetre, metre and kilometre are metric units for measuring  
 (A) length (B) mass  
 (C) capacity (D) all of the above
19. Mrs. Gupta cooked  $\frac{3}{8}$  of the spinach she bought. She had 0.48 kg of spinach left. Find the mass, in g, of spinach bought by her.  
 (A) 720 (B) 768  
 (C) 1200 (D) 1280
20. Arrange the following numbers in descending order of place value of 7 in them:  
 The correct order is
- |           |           |           |
|-----------|-----------|-----------|
| A 3473968 | C 3497386 | E 3926873 |
| B 3749368 | D 3498867 |           |
- (A) ABCDE (B) BACED  
 (C) BACDE (D) BAECD
21. Add : 3.859 and 2.643  
 (A) 6.234 (B) 62.323  
 (C) 5.232 (D) 6.502
22.  $5\frac{3}{5} \div 7 =$  \_\_\_\_\_  
 (A)  $\frac{4}{5}$  (B)  $1\frac{4}{5}$   
 (C)  $2\frac{1}{5}$  (D)  $\frac{8}{7}$
23. The smallest number of 4- digits exactly divisible by 12, 15, 20 and 35 is  
 (A) 1000 (B) 1160  
 (C) 1260 (D) 1360
24. What is the average of first 6 even numbers ?  
 (A) 10 (B) 7  
 (C) 9 (D) 42
25. Which denominator makes the fraction  $\frac{2}{9}$  and  $\frac{6}{\square}$  equivalent ?  
 (A) 27 (B) 3  
 (C) 54 (D) 81
26. The S.I unit of length is :  
 (A) centimetre. (B) foot.  
 (C) metre. (D) kilometre.
27. One centimeter is equal to :  
 (A) 10 km. (B) 0.00001 km.  
 (C) 0.01 km. (D) 0.001 km.
28. The instrument used to measure the volume of milk is :  
 (A) metre scale. (B) vernier caliper.  
 (C) measuring cylinder. (D) stop watch.
29. The layer of atmosphere where airplane flies is  
 (A) Stratosphere (B) Ionosphere  
 (C) Troposphere (D) Hydrosphere
30. \_\_\_\_\_ is measured in litres and millimeters.  
 (A) Time (B) Volume  
 (C) Temperature (D) Length

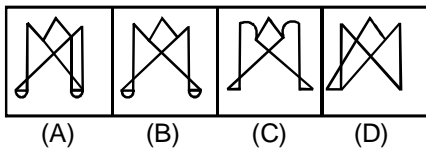
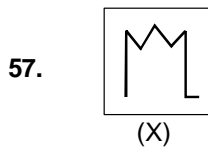
(Space For Rough Work)

31. One minute = \_\_\_\_\_ seconds.  
 (A) 90 (B) 120  
 (C) 60 (D) 24
32. We measure a line drawn on a paper with the help of :  
 (A) Meter rod (B) Ruler  
 (C) Measuring type (D) None of these
33. Which is not an example of lever of first order ?  
 (A) Scissor (B) Sea-saw  
 (C) Bottle opener (D) Pliers
34. A simple machine is to do :  
 (A) less work  
 (B) more work  
 (C) work more conveniently  
 (D) work less conveniently
35. A third order lever has ..... in the middle.  
 (A) fulcrum (B\*) effort force  
 (C) resistance force (D) pivot point
36. The molecules of a gas are ..... packed :  
 (A) closely (B) loosely  
 (C) compactly (D) randomly
37. A ..... has a definite volume and shape :  
 (A) gas (B) liquid  
 (C) solid (D) all of these
38. An example of a gas is :  
 (A) Chocolate syrup (B) a rock  
 (C) Pencils (D) Helium
39. Particles of matter that move faster (like in a gas) have more of what ?  
 (A) Energy (B) Mass  
 (C) Colour (D) Weight
40. .... makes the salt highly pure :  
 (A) Decantation (B) Filtration  
 (C) Evaporation (D) sublimation
41. The smallest particle into which a substance may be broken is a/an ..... :  
 (A) molecule (B) atom  
 (C) crystal (D) element
42. The percentage of nitrogen gas in the air is :  
 (A) 76% (B) 79%  
 (C) 81% (D) 80%
43. Air has weight, so it exerts ..... :  
 (A) pressure (B) space  
 (C) both (A) and (B) (D) none of these
44. The gas which is called green house gas is ?  
 (A) Oxygen (B) Nitrogen  
 (C) Carbon dioxide (D) Air
45. Air is a/an :  
 (A) element (B) mixture  
 (C) compound (D) none of these
46. If you were a gardener, what would you plant to grow a new plant of potato ?  
 (A) Root (B) Tuber  
 (C) Leaf (D) Seed
47. The dried and powdered bark of the Cinchona tree was used to make a medicine for :  
 (A) Malaria (B) Cholera  
 (C) Typhoid (D) Jaundice
48. During germination ..... in the cotyledons are used for growth.  
 (A) Water stored (B) Pollen stored  
 (C) Food stored (D) None of these
49. The tiny part of a seed that can grow into a plant is the—  
 (A) Pistil (B) Spore  
 (C) Fruit (D) Embryo
50. Plants use sunlight to make sugar in the process of  
 (A) Oxidation (B) Reproduction  
 (C) Photosynthesis (D) Fertilization
51. Animals that live in or on the bodies of other animals.  
 (A) Parasites (B) Carnivores  
 (C) Omnivores (D) Saprophytes

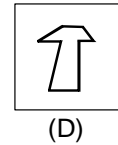
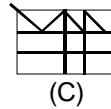
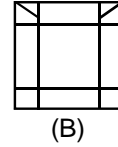
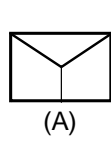
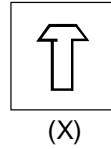
(Space For Rough Work)

52. The young one of a frog.  
 (A) Nymph (B) Tadpole  
 (C) Caterpillar (D) Larvae
53. These animals feed on flesh of dead animals:  
 (A) omnivores (B) carnivores  
 (C) herbivores (D) frugivores
54. The back teeth of herbivores are:  
 (A) broad and strong (B) pointed and sharp  
 (C) long and narrow (D) blunt and weak
55. Lizards and frogs have:  
 (A) sharp teeth  
 (B) long, sticky tongue  
 (C) Both  
 (D) None
56. Pointing to a man in the photograph a woman says, 'He is the son of my brother's grandfather's son'. How is the man related to the woman ?  
 (A) Brother (B) Uncle  
 (C) Father (D) Brother in law

**Directions : (57 to 58)** In each of the following questions, choose the alternative figure in which the question figure (X) is embedded.

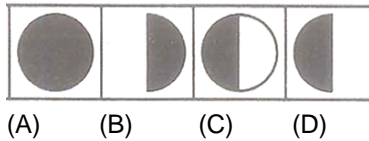


58.

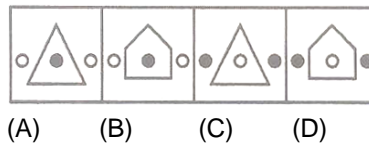


**Directions (59 to 60) :** In each of the following questions there is a specific relationship between the first and second figure. The same relationship exists between the third and fourth figure which will replace the question mark. Select the correct term from the alternatives given.


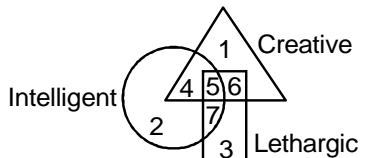
59.



60.



(Space For Rough Work)

61. 'Bird' is related to 'Nest' in the same way as 'Bees' is related to \_\_\_\_\_ .  
 (A) Aquarium (B) Hive  
 (C) Aviary (D) Tree
62. Going 40m to South of her house, Manisha turns left and goes another 10m. Then, turning to the North, she goes 20m and then starts walking to her house. In which direction is she walking now?  
 (A) North-west (B) North  
 (C) South-east (D) East
63. If **water** is called **food**, **food** is called **tree**, **tree** is called **sky**, **sky** is called **wall** on which of the following does a 'fruit' grow ?  
 (A) Water (B) Food  
 (C) Tree (D) Sky
64. If in a certain code **MANISH** is written as **NZMRHS**, then how will **RANJITA** be written in the same code ?  
 (A) IZMQRGZ (B) IZMPRGZ  
 (C) IZMQRHZ (D) IZMQRIZ
65. Direction (65 to 67) : Find the missing numbers in figure:
65.   
 (A) 117 (B) 36  
 (C) 32 (D) 26
66. 4, 9, 19, 34, 54, ?  
 (A) 66 (B) 75  
 (C) 79 (D) 84
67. 2, 5, 7, 12, 19, 31, ?  
 (A) 41 (B) 50  
 (C) 60 (D) 71
68. How many **W's** are there in the following series which are immediately followed by **W** but not immediately preceded by **K** ?  
 D W W D H K V D W Z D W W W D D W K W  
 W D K K D H C  
 (A) One (B) Two  
 (C) Three (D) None
69. Refer to the given diagram and answer the following question :
- 
- Who are intelligent but lethargic persons ?  
 (A) 4 (B) 5  
 (C) 6 (D) 7
70. If A denotes +, B denotes x, C denote – and D denotes ÷ then what is the value of  
 5 B 9 A 7 C 9 D 3 A 6  
 (A) 55 (B) 54  
 (C) 45 (D) 50

## ANSWER KEY

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

## NURTURING TALENT ... CREATING CHAMPIONS ...



### IESO Final Stage RESULT: 2017-18



**VAIBHAV KHATER**  
Reso Roll No.: 17413238  
Classroom student since class-VIII  
Study Center: Udaipur | Hometown: Udaipur

**1 SILVER & 2 BRONZE  
WON BY TEAM INDIA**

At 12<sup>th</sup> INTERNATIONAL EARTH SCIENCE OLYMPIAD  
(IESO) held at Kanchanaburi, Thailand.



**ABHINAV SRINIVAS**  
Reso Roll No.: 18405135  
Classroom student since class-VIII  
Study Center: Raipur | Hometown: Raipur

### IJSO (Stage)-1 NSEJS RESULT - 2018



**AIR-1**

Maharashtra State Topper  
Siddhant Mukherjee  
Roll No. 17437554  
Hometown: Mumbai

**5 STATE TOPPERS**

(Maharashtra, Gujarat,  
Rajasthan, Odisha & Bihar)

**Total Selections: 48** (Classroom: 42 | DLPD: 06) | **11 Ranks in Top-50** (1, 3, 6, 12, 13, 18, 21, 23, 29, 44, 44)

### IJSO (Stage)-2 INJSO RESULT-2018

**9 Students**  
selected Out of  
Total 35 for OCSC

**25.71%**  
Selection share

### NTSE (Stage-2) RESULT: 2017

**171**

**Total Selections**

51.53 % Growth in Result from last year

### RESONANCE EDUVENTURES LTD.

**PCCP HEAD OFFICE:** CG Tower-2, Plot No. A-51 (A), IPIA, Behind City Mall, Jhalawar Road, Kota (Raj.) - 324005

**Tel. No.:** 0744-6635569 | **Website:** www.pccp.resonance.ac.in





**Resonance®**  
Educating for better tomorrow



# VARDAAN

Score more. Pay less. Study more.

Pay the fees for 1 year & study for 5 years



For Classes VIII, IX & X

Test Dates: 14 Oct & 25 Nov 2018

YOUR MAXIMUM EFFORTS WILL REAP YOU BENEFITS FIVEFOLD.

**WINTER WORKSHOP**  
For Class V to X

Targets

OLYMPIADS | NTSE | IJSO | BOARD

**SCHEDULE**

Stage-1: 24 Dec to 30 Dec 2018

31 Dec to 06 Jan 2019

Stage-2 & Board: 24 Dec to 06 Jan 2019

☎ 0744-6635569    🌐 [www.pccp.resonance.ac.in](http://www.pccp.resonance.ac.in)