

SAMPLE TEST PAPER •

Resonance National Entrance Test (ResoNET)

For Pre-foundation Career Care Programmes (PCCP)

FOR CLASS V



Practice, Persistence and Performance









VISION

Excellence in Career Education



MISSION

Practice, Persistence and Performance



VALUES

- Leadership with humane touch at various levels
- Integrity, transparency and openness in all our actions
- Innovation and pursuit of excellence in career education
- Address the needs of students through career oriented initiatives
- Strive to continuously improve our processes and quality of deliverables

R.K. Verma (RKV Sir)

B.Tech. (IIT-Madras, 1994) Founder | Managing Director Head (Academics) | Sr. Faculty (Physics)

About Resonance:

Place : Kota (Rajasthan) Established on: 11th April, 2001

S.No.	Academic Division	Classes	Target Examinations
1.	Pre-Engineering Division: JEE (Advanced)	IX, X, XI, XII & XII+	JEE (Advanced) JEE (Main) Olympiads
2.	Pre-Engineering Division: JEE (Main)	IX, X, XI, XII & XII+	JEE (Main) Other Engineering Entrance Exams
3.	Pre-Medical Division	IX, X, XI, XII & XII+	NEET (UG) Olympiads
4.	Pre-foundation Career Care Programme Division (PCCP)	V, VI, VII, VIII, IX & X	School & Board Exams NTSE Olympiads STSE
5.	Commerce & Law Programme Division (CLPD)	XI, XII & XII+	CA CS CLAT Board CUET (UG) UG & PG
6.	Pre-university & School Preparatory Division (PSPD)	XI, XII & XII+	Board Exams CUET-UG IPMAT JIPMAT BITSAT STSE UCEED College Entrance Exam UG & Scholarship Exams
7.	Resonance Multiple Examination Division (ResoMEx)	XII+ UG & PG	SSC BANKS RAILWAYS NDA Other Govt. & Private Recruitment Exams
8.	Distance Learning Programme Division (DLPD)	V to XII & XII+	JEE (Main) JEE (Advanced) NEET (UG) OLYMPIADS PRE-FOUNDATION OTHERS
9.	EdTech Division	V to XII & XII+	JEE (Main) JEE (Advanced) NEET (UG) PRE-FOUNDATION
10.	Resonance International Studies Division (Reso-ISD)	VI to XII & XII+	JEE (Main) JEE (Advanced) NEET (UG) OLYMPIADS PRE-FOUNDATION Upcoming: SAT IELTS GRE PTE





(For Class-IV Passed Students)

CLASS-V (FOR CLASS IV TO V MOVING STUDENT)

TARGET: SCHOOL / OLYMPIAD

S.No.	Particulars	Pag Num		Total
		From	То	Pages
1	Guidelines and Instructions for Entrance Test	2	2	1
2	ResoNET Question Paper Structure & Syllabus	3	3	1
3	Sample Test Paper (STP): For Class IV passed students (For the students applying for course Class IV to V moving Student).	4	9	6
4	Sample Test Paper: Answer Key (AK)	10	10	1
5	Sample ORS Answer Sheet for Resonance National Entrance Test (ResoNET)	11	11	1
	Total Pages			10

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 11.

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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.



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RESONET QUESTION PAPER STRUCTURE

	For Class IV to V Moving Student							
					Mari	king Scheme		
S.No.	Part	Subject	Type of Question	No. of Ques.	Full Marks per Qs.	Negative Marking	Total	
1 to 25	-	Mathematics	Single Choice Questions (Only One Correct Option) (MCQ)	25	3	0	75	
26 to 35	н	Physics	Single Choice Questions (Only One Correct Option) (MCQ)	10	3	0	30	
36 to 45	Ш	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

	FOF	R CLASS IV TO V MOVING STUDENT			
SUBJECT	SYLLABUS FROM CLASS	TOPIC			
MATHEMATICS	IV	Knowing our Number, Operation on Large Numbers, Addition and Substraction, Multiplication and Division, Factors and Multiples, Fractions, Decimals, Time, Money, Measurement, Geomatery, Perimeter in Area.			
PHYSICS IV		Force, Work & Energy, Our Universe, Measurement.			
CHEMISTRY	IV	Matter and Materials, Clothes, Air, Water & Weather.			
BIOLOGY	IV	Living Things and Our Body, Food, Safety and First AID, Natural Resources.			
MENTAL ABILITY	IV	Alphabet Test, Number series, Alphabet Series, Missing Term in Figure, Mathematical Operations, Direction Sense, Analogy, Classification, Water, Mirror Image, Figure Comletion.			



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(For Class-IV Passed Students)

CLASS-V (FOR CLASS IV TO V MOVING STUDENT)

TARGET: SCHOOL / OLYMPIAD

	For Class IX to X Moving Student							
	Part Subject		Type of Question	No.	Mark	ing Scheme		
S.No.		Subject		of Ques.	Full Marks per Qs.	Negative Marking	Total	
1 to 25	ı	Mathemati cs	Single Choice Questions (Only One Correct Option) (MCQ)	25	3	0	75	
26 to 35	=	Physics	Single Choice Questions (Only One Correct Option) (MCQ)	10	3	0	30	
36 to 45	Ш	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.	13 × 7 = (A) XCI	(B) CI	(C) XXCI	(D) LXI
2.	The number which is d (A) 28	ivisible by 2 but not by (B) 32	4 is: (C) 34	(D) 36
3.	One more than (A) 71499	= 72500 (B) 72499	(C) 72501	(D) 72500
4.			oookshelf which has 5 s t outside. How many bo (C) 21	helves. After putting 12 books oks are there in total? (D) 69
5.	The product of all even (A) 4032	n numbers between 13 a (B) 4096	and 20 is: (C) 81920	(D) 8192
6.	are there in one (A) Two one-fourths		(C) Three one-fourths	(D) Four one-fourths
7.	Subtract Rs 135.45 fro (A) Rs. 345	m Rs 400.20 (B) Rs. 243.70	(C) Rs. 264.75	(D) Rs.192.50



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	SAMP	LE TEST PAPER (ST	P) CLASS: IV T	O V MOVING
8.	120 minute = (A) 6000	seconds (B) 1000	(C) 7200	(D) 8000
9.	The symbol for paise (A) ps	e is: (B) pa	(C) p	(D) pi
10.	6006 g = (A) 60 kg, 6 gm	kg g. (B) 600 kg, 6 gm	(C) 6 kg, 6 gm	(D) 6000 kg, 6 gm
11.	sided polyg	ons are called quadrilate (B) 4	erals. (C)3	(D) 5
12.	One side of a square (A) 1720 sq.m	e plot measures 120 m. F (B) 14400 sq.m	Find its area. (C) 12100 sq.m	(D) 2400 sq.m
13.	The number of X syr (A) 3	nbols needed to represe (B) 1	nt the number 49 in Ro (C) 2	man system is (D) 4
14.		12 we get as the (B) q = 348, r = 8		
15.	Parth washes his bio	cycle every third day:		
	twice in the same mo	onth, other than Saturda	y?	hich day will he wash his cycle
	(A) Monday	(B) Sunday	(C) Tuesday	(D) Wednesday
16.	What is 205×6 ? (A) $(200 + 50) \times 6$	(B) $(20 + 5) \times 6$	(C) $(200 - 5) \times 6$	(D) 200 × 6 + 5 × 6
17.	Pick out the prime no (A) 17	umber from the following (B) 27	: (C) 39	(D) 49
18.	Two-fifth of 10 litres (A) 2	= litres. (B) 5	(C) 4	(D) 3
19.	Which number is gre	eater than $\frac{1}{2}$?		
	(A) $\frac{1}{4}$	(B) $\frac{2}{5}$	(C) $\frac{5}{2}$	(D) $\frac{1}{3}$

20. A year which is divisible by _____ is a leap year

(A) 2

(B) 5

(C)3

(D) 4

21. What is the choice of coins you may use for paying Rs. 7.25?

(A) Three 2-rupee coins, one 1-rupee coin and two 25 paisa coins

(B) Three 2-rupee coins, two 50-paisa coins and one 25 paisa coin

(C) One 5-rupee coin and six 25-rupee coins

(D) One 5-rupee coin, one 1-rupee coin and nine 25- paisa coins

22. Convert 12 m 65 cm into mm.

(A) 1265 mm

(B) 12650 mm

(C) 126500 mm

(D) 12.65 mm



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SAMPLE TEST PAPER (STP) | CLASS: IV TO V MOVING

23. In a triangle one angle is 65° another is 35°. What is the third angle?

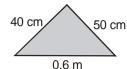
(A) 80°

(B) 90°

(C) 100°

(D) 45°

24. Find the perimeter of the triangle given bleow.



(A) 150 cm

(B) 90.6 cm

(C) 690 cm

(D) None of these

25. A rectangular park is 100 m long and 25 m wide. What is the perimeter of the rectangular park?

(A) 250m

(B) 260m

(C) 240m

(D) 220sm

PART-II: SCIENCE (PCB)

This section contains 30 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

26. How many permanent teeth are there is an adult?

(A) thirty-two

(B) sixteen

(C) twenty

(D) twenty-two

27. How many molars are there in the upper jaw?

(A) Twelve

(B) Sixteen

(C) Six

(D) Eight

28. Cotton clothes keep us:

(A) warm

(B) cool

(C) wet

(D) dry

29. To protect clothes from usects, they are kept with :

(A) perfume

(B) sugar

(C) mothballs

(D) water

30. What is presen all around us?

(A) Solid

(B) Liquid

(C) Matter

(D) Water

31. All matter is made up of tiny particles called :

(A) molecules

(B) gases

(C) solids

(D) solutes

32. What kind of clothes should not be worn in the kitchen?

(A) Cotton

(B) Nylon

(C) Jute

(D) Linen

33. Which of the following is not kept in the first aid box?

(A) Cotton

(B) Scissors

(C) Gauze

(D) Plier

34. Green coloured substance present in leaves is:

(A) stomata

(B) veins

(C) lamina

(D) chlorophyll

35. Plants give out____during photosynthesh.

(A) oxygen

(B) carbon dioxide

(C) sunlight

(D) chlorophyll

36. Which of the following plants grows in water?

(A) Neem

(B) Duckweed

(C) Cactus

(D) Pine tree

37. A white jelly-like substance present in the egg is called :

(A) yolk

(B) egg shell

(C) embryo

(D) albumen



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38.	Birds sit on their eggs (A) cool	to keep them : (B) round	(C) flat	(D) warm
39.	Which of the following (A) Shark	is a reptile? (B) Beetle	(C) Crocodile	(D) Frog
40.	Which of follwing is an (A) Octopus	aquatic animals? (B) Lizard	(C) Crow	(D) Camel
41.	The blanket of air surr (A) atmosphere	ounding the earth's surf (B) nitrogen	face is: (C) oxygen	(D) ozone layer
42 .	The method by which (A) filtration	you can separate insolu (B) sedimetation	uble substances from w (C) decantation	ater: (D) all of these
43.	Remains of plants and (A) Fossils	d animals under the eart	ch : (C) Limestone	(D) Gneiss
14.	Some limestone is ma (A) coral	ade of skeleton of tiny o (B) Bacteria	rganisms know as (C) Virus	(D) Fungi
45 .	A does not has a (A) gas	a definite volume and sh (B) liquid	nape : (C) solid	(D) all of these
46.	Rats and rabbits live in (A) Water	า (B) Burrows	(C) Nests	(D) Trees
47 .	Particles in solides had (A) Least energy	ve (B) lesser energy	(C) greatest energy	(D) greatest distances
48.	Nerves which carry inp (A) Sensory	oulses from brain (B) Motor	(C) Mixed	(D) Optic
49 .	Other name of backbo (A) Skeleton	one is (B) Vertebral column	(C) Joint	(D) None of these
50.	Diseases that can spre (A) contagious disease (C) Deficiency disease		another: (B) Non-contagious d (D) All of these	iseases
51.	A crossing marked wit (A) Zebra Crossing	h broad white strips : (B) Picture of zebra	(C) Zigzag Line	(D) None of these
52.	The process by which (A) Seed leaves	a seed produces a bab (B) Dispersal	y plant : (C) Germination	(D) Harvesting
53.	The nerves are made (A) medulla	up of (B) Nerve cells	(C) fibres	(D) none of these
54.	Deficiency of this vitar (A) Vitamin A	nin in the diet causes be (B) Vitamin B	eri-beri : (C) Vitamin C	(D) Vitamin D



(A) Fracture

A crack in a bone:

(B) Feature

55.

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(C) Figure

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(D) All of these

PART-III: MENTAL ABILITY

This section contains 15 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

Directions: (56) Arrange the given words in alphabetical order and choose the one that comes first.

56. (A) flung

(B) flock

(C) feast

(D) flint

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

57. 13, 22, 31, 40, 49, ?

(A) 58

(B) 56

(C) 54

(D) 53

58. X, V, T, R, P, ?

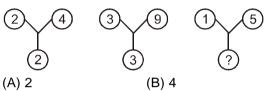
(A) N

(B) M

(C) K

(D) J

59.



(C) 5

(D) 6

60. If **y** stands for 'subtract', **z** stands for 'divide', and **p** stands for 'multiply,' then what is the value of 7 **p** 3 y 6 z 3?

(A) 7

(B) 19

(C) 15

(D) 20

A man walked 3 metres towards North, turned West and walked 2 metres then turned North and walked 1 metre and finally turned East and walked 2 metres. How far is he from the starting point?

(A) 5 m

(B) 4 m

(C) 10 m

(D) 12 m

Directions: (62) 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.

62. ZA: YB:: XC:?

(A) YZ

(B) NM

(C) BC

(D) WD

Directions: (63) In each of the following questions, four words are given, out of which three are same in one way and the fourth one is different from others. Select the odd one.

63. (A) Cricket

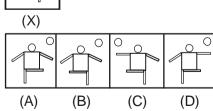
(B) Hockey

(C) Chess

(D) Football

Directions: (64) In each of the following questions, choose the correct mirror image from alternatives A, B, C, and D of the Word / figure (X).

64.





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SAMPLE TEST PAPER (STP) **CLASS: IV TO V MOVING**

Directions: (65) Select a figure from the alternatives which when placed in the blank space of (x) would complete the pattern?



65.

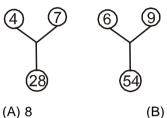




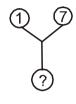




66. Find the missing terms:



(B) 7



(C) 6

(D) 17

Directions: (67) Arrange the given words in alphabetical order and choose the one that comes first.

67. (A) fetus (B) fluke

(C) furry

(D) flask

Directions: (68 to 69) Find the missing terms:

68. 1, 3, 5, 7, 9, ? (A) 13

(B) 15

(C) 17

(D) 11

ZB, DF, HJ, LN,? 69.

(A) RS

(B) VW

(C) TU

(D) PR

Directions: (70) Arrange the given words in alphabetical order and choose the one that comes first.

70. (A) gain (B) gallon

(C) game

(D) gate

Space for Rough Work / (कच्चे कार्य के लिए स्थान)

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FOR CLASS-IV TO V MOVING | SAMPLE TEST PAPER (STP)

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



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onance [®]		PCCP ResoNET-2024	Objective Response Sheet (ORS) 2024-2025
COURSE NAME			
PCCP Course	0	Application Form No.	
WINNER	0	Student's Name	
WISDOM	0	Test City / Venue	CLASS
		Room NoTes	t Date
			③ ● ⑤ Wrong △ ⑥ ⑥
		the five guide view marks (Dark Circles	
		printed on corners of ORS). Other wise	
		ORS will not be processed for result.	
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0.000 0.000 0.000		61 (4 (8 (5 (9))) 62 (4 (9 (5 (9))) 63 (4 (8 (5 (9)))	CATEGORY
0000 0000 0000 0000		65	General () OBC () SC () ST () DS () PH ()
		71	eaf & fillup the required information
	COURSE NAME PCCP Course WINNER WISDOM	COURSE NAME PCCP COURSE WINNER WISDOM	PCCP Course



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