

### About RET:

RET (Resonance Eligibility test) is a knowledge and aptitude test which is conducted by Resonance Educational Institutions, Hyderabad to assess the student's current academic performance and prospects. Qualifying RET with 40% marks is minimum criterion for immediate reservation in any coaching program of Resonance in Telugu states.

For JEE and NEET aspiring students RET would provide bench marking along with a real world feel of competitive spirit. It helps the student to showcase his/her talent in competitive exam pattern which will boost his/her confidence to perform well in future competitive examinations & make way for a bright career ahead.

RET will be the student's first step towards fulfilling their dream of becoming an Engineer or Doctor from reputed universities across the India and abroad.

### Who can attend RET?

Students currently Studying 5<sup>th</sup> to 10<sup>th</sup> Class will be eligible to write RET exam.

### How will RET help you?

- Student will get a comprehensive report, covering all domains in terms of subjects and aptitude, along with areas requiring improvement & percentile score.
- RET will evaluate your Analytical Skills & guide you further to improve upon.
- Have a clear & personalised picture of your subject preparation concept wise.
- Qualify for a Resonance Classroom Programmes across all branches in Telugu states.

### How to apply for RET?

Students who want to apply for RET can login to [www.resonancehyderabad.com](http://www.resonancehyderabad.com) and apply by paying registration fee.

### Registration Fee :

- Rs. 200/- per student – Payable Online using our secure payment gateway using Internet Banking, Debit/Credit card or any other online payment service
- You can also contact with RET Co-ordination Cell for Registration Assistance on **9121219858 (9 AM to 7 PM)**

### RET: Exam Process

RET exam is conducted in offline mode across all Resonance campuses in Hyderabad as per the specific dates mentioned in website.

### RET Paper Structure

Subject	Questions from each subject	Total Questions	Total Marks	Test Duration
Physics, Biology, Chemistry, Mathematics and Mental Ability	7 each PCB, 14 Math, 5 MAT	40	160	60 Min (1 Hour)

### Question Wise Breakup

Sections	Question Marking (Correct, Wrong, Leave)	Question Types (Medium: English & Hindi)
PBCM & MAT	(+4 Marks for each correct Questions) (No Negative Marking) (Zero Marks for not attempted Questions)	General Science – 21 (7P, 7C, & 7B) Mathematics & MAT -19 (14M, 5MAT)

## Syllabus Breakup

Subject	Particulars
<b>Physics</b>	Water (V) Earth (V) Pressure (V) Temp (V) Force & Work (V) Motion & Measurement (VI) Light shadow (VI)
<b>Chemistry</b>	States of Matter (V) Air around us (V) Rocks & Minerals (V) Matter & Its Segregation (VI) Materials of Daily use clothes (VI) Classification & Diversity in matter (VI)
<b>Biology</b>	Safety and First Aid (V) Nervous System (V) Our Body (V) Nutritious Food (V) Forest – Tribals (V) Agriculture – Crops (V) The Living Organisms – Characteristics and habitats (VI) Getting to know plants (VI) Garbage in – Garbage out (VI)
<b>Mathematics</b>	Bigger numbers (V) Multiply and Divide (V) Angles in our surroundings (V) Fractions (V) Factors and Multiples (V) Playing with shapes (V) Knowing our number (VI) Whole numbers (VI) Playing with numbers (VI) Integers (VI)
<b>Mental Ability</b>	Playing Alphabet Trains

**Disclaimer:** RET is an open excellence Test for motivating and rewarding students. Resonance doesn't ensure unconditional admissions on qualifying RET. Registration fee is nonrefundable. Resonance keeps all right for keeping details of the students confidential. Exam results cannot be challenged and reviewed.

HALL TICKET NO :

**Resonance**<sup>®</sup>  
Educational Institutions  
—Telangana & Andhra Pradesh—

**TEST ID**  
**0001**

**Academic Session : 2024 - 25**

# Reso Eligibility Test (RET) - 2024

**For Students moving in Class -VII  
(Presently Studying in Class VI)**

**Duration: 1 Hour | Max. Marks: 160**



*Please read the next page of this booklet for the instructions.*

Survey Number 321/AA and 322/AA, Situated at Nandigama Village,  
Patancheru Mandal, Sangareddy, District, Patancheruvu, Telangana 502300

## 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 & Application Form Number** 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.
- Write your name, Application form number and the name of the examination centre and sign with pen in the space provided for this purpose on the original. **Do not write any of these details anywhere else.** Darken the appropriate bubble under each digit of your roll number.
- Before answering the paper, fill up the required details in the blank space provided in the Objective Response Sheet (ORS).
- 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.
- Use a **BLACK BALL POINT** to darken the bubbles in the upper 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.**

## ResoFAST 2024 - 25


Q.NO	SUBJECT	NATURE OF QUESTIONS	Marks to be awarded			
			No. of Q's	Correct	Wrong	Total
1 - 7	Physics	Single Choice Questions	7	4	0	28
8 - 14	Chemistry	Single Choice Questions	7	4	0	28
15 - 21	Biology	Single Choice Questions	7	4	0	28
22 - 35	Mathematics	Single Choice Questions	14	4	0	56
36 - 40	Mental-Ability	Single Choice Questions	5	4	0	20

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**VII- PAPER-1****PHYSICS**

1. At High altitude atmospheric pressure \_\_\_\_\_?  
(A) Increases (B) Decreases (C) Same (D) None of these
2. If Body is hot then it has \_\_\_\_\_ Temp.  
(A) Min (B) Max (C) Same (D) None of these
3. What is the colour of water?  
(A) Blue (B) Red (C) White (D) Black
4. 1 Revolution of earth = \_\_\_\_\_ day  
(A) 365 (B) 364 (C) 363 (D) 362
5. Push and Pull is called \_\_\_\_\_?  
(A) Force (B) work (C) Pressure (D) Energy
6. A distance is always:  
(A) Shortest length between two points  
(B) Path covered by an object between two points  
(C) Product of length and time  
(D) None of above
7. Reason for the formation of shadow is that (Shadow):  
(A) Light can bend around the opaque bodies  
(B) Light rays cannot pierce through the opaque bodies  
(C) Opaque bodies allow the light to pass through them  
(D) Light shows the phenomenon of diffraction around the objects

**BIOLOGY**

8. Which of these can u do without adult supervision  
(A) Cut vegetables (B) Set off fire  crackers (C) Read a book (D) Swim
9. Function of nervous system is \_\_\_\_\_.  
(A) Digestion only (B) Circulation only  
(C) Control and Coordination of the body (D) Breathing only



10. Which internal organ is this



- (A) Stomach                      (B) Brain                      (C) Lungs                      (D) Heart
11. What are the types of food groups  
 (A) Fruits                      (B) Vegetables                      (C) Grains                      (D) All of these
12. The growth of vegetation depends on  
 (A) Temperature and moisture                      (B) Temperature  
 (C) Moisture                      (D) None of these
13. Which of the following is not an agent of erosion and deposition?  
 (A) Earthquake                      (B) Glaciers                      (C) Running water                      (D) Wind
14. All living organisms have the ability to produce young one of their own kind. The process is called  
 (A) Excretion                      (B) Reproduction                      (C) Movement                      (D) Respiration

## CHEMISTRY

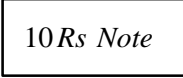
15. \_\_\_\_\_ have definite shape and volume  
 (A) Solid                      (B) Liquids                      (C) Gas                      (D) All of above
16. Water milk and juice are example of  
 (A) Liquid                      (B) Solid                      (C) Gas                      (D) All of above
17. Moving air is called  
 (A) Cyclone                      (B) Wind                      (C) Tsunami                      (D) Strom
18. When molten rock comes cut the surface of earth, it is know as  
 (A) Lava                      (B) Magma                      (C) Laccolith                      (D) Metamorphic
19. Homogeneous mixture –  
 (A) Have uniform composition  
 (B) Do not have uniform composition  
 (C) May or may not have uniform composition  
 (D) None of these
20. The process of making yarns from fibres is known as –  
 (A) boiling                      (B) spinning                      (C) retting                      (D) ginning
21. \_\_\_\_ is formed from remains of plants buried inside the earth  
 (A) coal                      (B) Rocks                      (C) Granite                      (D) Magma

## MATHEMATICS

22. Write the smallest number using digit 5,1,0,9  
 (A) 1059                      (B) 1095                      (C) 1509                      (D) 1905
23. Multiply  $20 \times 30$   
 (A) 60                      (B) 600                      (C) 100                      (D) None



24. Mark angle in the picture 
- (A) Acute (B) Right (C) Zero (D) Obtuse

25. Match shadow of the object 



26. What do you get when you divide 11 by 5  
 (A)  $11/5$  (B)  $5/11$  (C)  $1/5$  (D) None
27. Which of these numbers are divisible by 5  
 (A) 26 (B) 36 (C) 45 (D) 46
28. The successor of 49,999 is  
 (A) 49998 (B) 50,000 (C) 49990 (D) 49000
29. The whole number which is not a natural number is  
 (A) 1 (B) 0 (C) 9 (D) 2
30. Which of the following is a composite number  
 (A) 1 (B) 2 (C) 5 (D) 8
31. If  $1+a=0$  then  $a=$   
 (A) -1 (B) 0 (C) 2 (D) -2
32. The sum of  $2+(-2)+2+(-2)+\dots$  (If the number of terms are 50) is  
 (A) 2 (B) -2 (C) 100 (D) 0
33. The sum of all prime numbers between 10 to 25 is  
 (A) 83 (B) 84 (C) 85 (D) 86
34. A whole number is added to 50 and same number is subtracted from 50. Find the sum of resulting numbers  
 (A) 0 (B) 25 (C) 50 (D) 100
35. Find the difference in the place value of the digit '5' in the number 57568  
 (A) 49500 (B) 45900 (C) 49000 (D) 86000

### MENTAL ABILITY

36. Which of the following is in the seventh position to the right of the eighteenth position from the right end in the letter number sequence given below?  
 B3KG5PD79ERK1MT6ZHQ8W2A  
 (A) J (B) 1 (C) M (D) K





37. If the letters of the English alphabetical series are arranged in reverse order, which letter will be in the midway between the 19th letter from the left end and the 18th letter from the right end?
- (A) I                      (B) J                      (C) M                      (D) S
38. 20, 19, 17, ?, 10, 5
- (A) 12                      (B) 14                      (C) 13                      (D) 15
39. 1, 4, 9, ?, 25, 36
- (A) 11                      (B) 19                      (C) 21                      (D) 16
40. Find the missing term in place of question mark ('?') in the number series given below.
- 102, 96, 89, 81, 72, ?, 51
- (A) 63                      (B) 61                      (C) 60                      (D) 62

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### Instructions for filling OMR

- (a) Student ID must be correctly filled, else OMR won't be evaluated
- (b) If you make a mistake filling your Student ID, use a new OMR
- (c) Use Blue/Black Pen for marking

**WRONG METHODS**



**CORRECT METHOD**



**Student Hall Ticket No**

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4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**TEST ID**

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9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Student Name: .....

Father's Name: .....

School Name: .....

Class: ..... Area: .....

Phone No: 1) ..... 2) .....

Invigilator's Sign: .....

**A B C D**

1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**A B C D**

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9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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26	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

31	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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33	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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16	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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18	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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# ANSWER KEY CLASS –VII PAPER-1

## PHYSICS

1) <b>B</b>	2) <b>B</b>	3) <b>A</b>	4) <b>A</b>	5) <b>A</b>	6) <b>B</b>	7) <b>B</b>
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## BIOLOGY

8) <b>C</b>	9) <b>C</b>	10) <b>B</b>	11) <b>D</b>	12) <b>A</b>	13) <b>B</b>	14) <b>B</b>
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## CHEMISTRY

15) <b>A</b>	16) <b>A</b>	17) <b>B</b>	18) <b>A</b>	19) <b>A</b>	20) <b>B</b>	21) <b>A</b>
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## MATHEMATICS

22) <b>A</b>	23) <b>B</b>	24) <b>B</b>	25) <b>A</b>	26) <b>A</b>	27) <b>C</b>	28) <b>B</b>
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29) <b>B</b>	30) <b>D</b>	31) <b>A</b>	32) <b>D</b>	33) <b>A</b>	34) <b>D</b>	35) <b>A</b>
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## MENTAL ABILITY

36) <b>B</b>	37) <b>C</b>	38) <b>B</b>	39) <b>D</b>	40) <b>D</b>
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