

Information Bulletin
RET– 2024
(APPLYING FOR CLASS – IX)
Currently Studying Class VIII

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 5th to 10th 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 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
<p style="text-align: center;">Physics</p>	<p>Motion & Time (VII) Electricity (VII) Light (VII) Heat (VII) Force (VIII) Pressure (VIII) Friction (VIII)</p>
<p style="text-align: center;">Chemistry</p>	<p>General Chemistry (VII) Fiber to Fabric (VII) Acid bases and Salts (VII) Physical and Chemical Changes (VII) Water and Waste Water (VII) Matter and It's Composition (VII) Elements, Compounds and Mixture (VII) Atomic Structure (VIII) Metals and Nonmetals (VIII) Air and atmosphere (VII) Synthetic Clothing Material (VIII)</p>
<p style="text-align: center;">Biology</p>	<p>Nutrition in Plants & Animals (VII) Transportation & Respiration in Organisms (VII) Reproduction in Plants (VII) Weather – Climate (VII) Soil (VII) Forest (VII) Cell- Structure & Functions (VIII) Microorganisms: Friend & Foe (VIII) Reaching the Age of Adolescence (VIII) Reproduction in Animals (VIII) Conservation of Plants & Animals (VIII)</p>
<p style="text-align: center;">Mathematics</p>	<p>Integers (VII) Fractions & Decimals (VII) Simple equations (VII) Lines and Angles (VII) Triangle & Its Properties (VII) Rational numbers (VII) Rational Numbers (VIII) Squares & Square roots (VIII) Cubes and Cube roots (VIII) Linear equation in one variable (VIII) Exponent and Powers (VIII) Comparing Quantities (VIII)</p>
<p style="text-align: center;">Mental Ability</p>	<p>Logical Alphabet number Coding – Decoding</p>

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**[®]
Educational Institutions
—Telangana & Andhra Pradesh—

TEST ID
0001

Academic Session : 2024 - 25

Reso Eligibility Test (RET) - 2024

**For Students moving in Class - IX
(Presently Studying in Class VIII)**

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

* * *

**IX- PAPER-1****PHYSICS**

1. When a body covers equal distance in equal intervals of time, its motion is said to be
(A) Non-uniform (B) Uniform (C) Accelerated (D) Back and forth
2. The motion along a straight line is called :
(A) Vibratory (B) Stationary (C) Circular (D) Linear
3. A particle is travelling with a constant speed. This means:
(A) Its position remains constant as time passes
(B) It covers equal distances in equal interval of time
(C) Its acceleration is zero
(D) It does not change its direction of motion
4. The rate of change of displacement is :
(A) Speed (B) Velocity (C) Acceleration (D) Retardation
5. Speed is never :
(A) Zero (B) Fraction (C) Negative (D) Positive
6. The motion of a body covering unequal distances in same intervals of time is said to be :
(A) Zigzag (B) Fast (C) Slow (D) Variable
7. Unit of velocity is :
(A) ms (B) ms^{-1} (C) ms^2 (D) none of these

CHEMISTRY

8. Which of the following statements is/are correct?
(A) Intermolecular forces of attraction in solids are maximum.
(B) Intermolecular forces of attraction in gases are minimum.
(C) Intermolecular spaces in solids are minimum.
(D) All of the above
9. Which of the following statements is/are correct ?
(A) Interparticle spaces are maximum in the gaseous state of a substance.
(B) Particles which constitute gas follow a zig-zag path.
(C) Solid state is the most compact state of substance.
(D) All are correct
10. Which of the following is/are application(s) of high compressibility of gases ?
(A) L.P.G. is used as fuel in homes for cooking food .
(B) Oxygen cylinders are supplied to hospitals.
(C) C.N.G. is used as fuel in vehicles.
(D) All of these
11. On changing which of the following, the states of matter will change?
(A) Temperature (B) Pressure (C) (A) & (B) both (D) None of these



12. During evaporation of liquid -
 (A) the temperature of the liquid falls.
 (B) the temperature of the liquid rises.
 (C) the temperature of the liquid remains unchanged.
 (D) all statements are wrong.
13. Which of the following is a compound?
 (A) Air (B) Milk (C) Iodine (D) Water
14. Air is regarded as a -
 (A) compound (B) mixture (C) element (D) electrolyte

MATHEMATICS

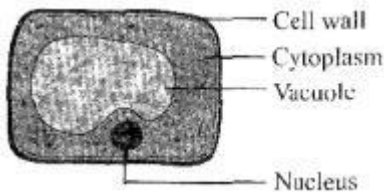
15. Which of the following integer has the greatest value?
 (A) -11 (B) -89 (C) -8 (D) -6
16. $\frac{1}{2} + \frac{3}{4} \times \frac{5}{6} \div \frac{5}{7} =$
 (A) $\frac{11}{8}$ (B) $\frac{8}{11}$ (C) $\frac{7}{9}$ (D) $\frac{11}{10}$
17. Twelve years hence a man will be four times as he was twelve years ago, then his present age is:
 (A) 20 years (B) 25 years (C) 28 years (D) 30 years
18. If the supplement of an angle is three times its complement, then angle is :
 (A) 40° (B) 35° (C) 50° (D) 45°
19. The angles of a triangle are in the ratio 3: 2: 1, then the angles are :
 (A) $90^\circ, 60^\circ, 30^\circ$ (B) $100^\circ, 50^\circ, 30^\circ$ (C) $80^\circ, 60^\circ, 40^\circ$ (D) $70^\circ, 60^\circ, 50^\circ$
20. What will be the correct sign in the following between $\frac{1}{5}$ and $\frac{2}{3}$?
 (A) = (B) > (C) < (D) \geq
21. Lowest form of $\frac{-219}{365}$.
 (A) $-\frac{73}{125}$ (B) $-\frac{3}{5}$ (C) $\frac{3}{5}$ (D) None of these
22. The value of $\sqrt{214 + \sqrt{130 - \sqrt{88 - \sqrt{44 + \sqrt{25}}}}}$:
 (A) 14 (B) 15 (C) 16 (D) 17
23. The cube root of 1.331 is :
 (A) 0.11 (B) 0.011 (C) 11 (D) 1.1
24. $8^3 - 5^3$ is divisible by
 (A) 3 (B) 7 (C) 8 (D) 5
25. If $\frac{2x+7}{5x+8} = \frac{2x+6}{5x+4}$, then $x = ?$
 (A) $-6\frac{2}{3}$ (B) $-3\frac{1}{2}$ (C) $-2\frac{1}{2}$ (D) $-3\frac{6}{7}$



26. The difference of squares of two consecutive numbers is 61 . What will be the sum of these numbers?
 (A) 81 (B) 41 (C) 61 (D) 51
27. Choose the greatest number among the following :
 $[(5 + 5)^2]^2$, $[5 \times 5 \times 5]^2$, $[5 + 5 + 5]^3$, $[5^5 + 5^5]$, $[5^5 + 5^5 + 5^5 + 5^5]$
 (A) $[(5 + 5)^2]^2$ (B) $[5 \times 5 \times 5]^2$ (C) $[5 + 5 + 5]^3$ (D) $[5^5 + 5^5]$
28. The correct formula is :
 (A) Profit % = $\frac{C.P. \times 100}{Loss}$ (B) Profit % = $\frac{Loss \times 100}{C.P.}$ (C) Profit % = $\frac{Profit \times 100}{C.P.}$ (D) None of these

BIOLOGY

29. Who discovered the first cell -
 (A) Louise Pasteur (B) Robert Hooke (C) Alexander Fleming (D) A.V. Leeuwenhoek
30. Environment in which an animal lives is called its
 (A) habitat (B) home (C) reservoir (D) resort.
31. The cell shown below cannot be an animal cell because it has



- (i) Cytoplasm (ii) Nucleus (iii) Cell wall (iv) Large vacuole
 (A) (i) & (ii) (B) (i) & (iii) (C) (ii) & (iv) (D) (iii) & (iv)
32. Insectivorous plant is -
 (A) Mustard (B) Cuscuta (C) Nepenthes (D) Neem
33. Read the given paragraph with few blanks.
 (i) body of birds reduces resistance offered by wind. Their (ii) are modified into wings which help them in flight. Birds have (iii) bones which make their body light. Birds are (iv) and maintain constant body temperature. (v) are attached to their lungs which serve as reservoirs of air. Birds maintain equilibrium in flight due to well developed (vi) of brain.
 Select the option that correctly fills any 3 of these blanks.
 (A) (i) Spindle shaped, (ii) Hindlimbs, (vi) Cerebrum
 (B) (ii) Forelimbs, (iv) Homeothermic, (vi) Cerebellum
 (C) (i) Radially symmetrical, (iii) Pneumatic, (v) Air sacs
 (D) (iv) Poikilothermic, (v) Air sacs, (vi) Cerebrum
34. Conduction of minerals takes place through : -
 (A) Xylem (B) Phloem (C) Parenchyma (D) None of these
35. Unweathered rocks are present in which horizon of soil?
 (A) A-Horizon (B) B – Horizon (C) C – Horizon (D) D – Horizon

MENTAL ABILITY

36. How many 6's are there in the following sequence, which are either immediately preceded by 2 or immediately followed by
- 5 6 2 4 3 6 9 2 6 7 1 6 4 7 6 8 2 6 3 4 6 9 8 6 2
- (A) 1 (B) 2 (C) 3 (D) 4
37. If the following numbers are written in ascending order, the sum of the digits of middle number will be
- 810, 912, 910, 809, 781, 673, 573
- (A) 9 (B) 12 (C) 17 (D) 13
38. In a row of girls, Mradula is 18th from the right and Sanjana is 18th from the left. If both of them exchange their position, Sanjana becomes 25th from the left, how many girls are there in the row?
- (A) 40 (B) 41 (C) 42 (D) 35
39. If BOOK is coded as 43, what will be the code number for PEN ?
- (A) 53 (B) 33 (C) 35 (D) 43
40. In a certain code language, **Pat Zoo Sim** means **Eat Good Mangoes**. **Pus Sim Tim** means **Mangoes And Sweets** and **Tim Zoo Kit** means **Purchase Good Sweets**. Which word in the language means Good ?
- (A) Zoo (B) Pus (C) Sim (D) Tim

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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TEST ID

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Student Name:

Father's Name:

School Name:

Class: Area:

Phone No: 1) 2)

Invigilator's Sign:

A B C D

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A B C D

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**ANSWER KEY CLASS-IX PAPER-1****PHYSICS**

1) B	2) D	3) B	4) B	5) C	6) D	7) B
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CHEMISTRY

8) D	9) D	10) D	11) C	12) A	13) D	14) B
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MATHEMATICS

15) D	16) A	17) A	18) D	19) A	20) C	21) B
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22) B	23) D	24) A	25) A	26) C	27) B	28) C
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BIOLOGY

29) B	30) A	31) D	32) C	33) B	34) A	35) D
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MENTAL ABILITY

36) D	37) C	38) C	39) C	40) A
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