RPS GROUP OF SCHOOLS

ADMISSION– *Cum* –SCHOLARSHIP TEST

For Grade **III** to **XI**

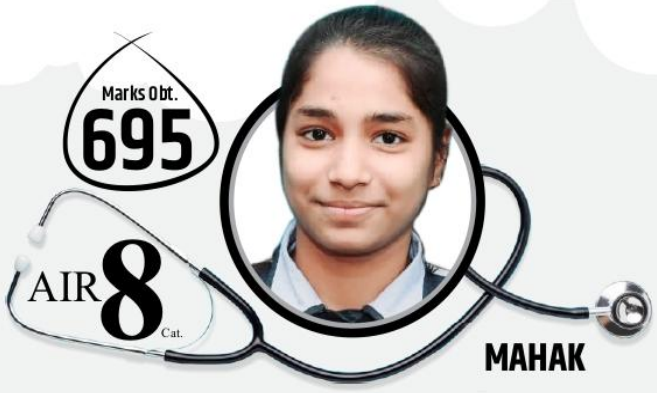
Sunday, 1st January 2023

APPEARING FOR CLASS VII

SCHOLARSHIP ASPIRANTS TODAY
VICTORS IN LIFE TOMORROW !

At **RPS** *Excellence is a* **HABIT**

NEET TOPPER



MAHAK

IIT-JEE TOPPER

AAYUSH

Above **600** Marks
45+ STUDENTS

Above **550** Marks
91+ STUDENTS

Total Qualifiers
405+ STUDENTS

OUR RESULTS SPEAK LOUDER THAN WORDS

SESSION 2022-23

- **405+** STUDENTS NEET
- **451+** STUDENTS IIT-JEE Main
- **91** STUDENTS IIT-JEE Advanced
- **17** STUDENTS KVPY
- **17** STUDENTS CLAT
- **136+** STUDENTS NDA
- **39** STUDENTS CA

RPS GROUP OF SCHOOLS
under the aegis of RPS Education Society, M/Garh

24 YEARS OF EXCELLENCE IN EDUCATION

Where Dreams come True

APPEARING FOR CLASS VII

Science: 1-20	Maths: 21-40	Social Science: 41-60	English: 61-80

TIME: 90 Minutes **M.M. 80**

Student's Name: ..... Father's Name : ..... Mobile No.: .....

Address .....

Present School: .....

General Instructions:

1. *Duration of Test is 90 minutes and Question Paper contains 80 Questions with maximum 80 marks.*
2. *Use of gadgets is not allowed.*
3. *Student should abide by the instructions issued during the examination by the invigilator or the centre incharge.*
4. *Before attempting the question paper ensure that it contains all the pages and that no question is missing.*
5. ***There is No Negative marking.***

Correct Method ●

Wrong Method ○ ⊘ ⊗ ◐ ◉ ⬬

Science (20 Marks)

Physics (07 Marks)

1. A man is revolving in a circular path of radius 'R'. Calculate the distance and displacement of man after half revolution.

   (a) $6\pi R, 2R$ (b) $\pi R, 2R$ (c) $\frac{7}{2}\pi R, 4R$ (d) $8\pi R, r\sqrt{2}$

2. The train of length 100 m is crossing a bridge 200m in length at the speed of 72 km/h. The time taken by the train to cross the bridge is-

   (a) 15 s (b) 30 s (c) 10 s (d) 45 s

3. 160 cm^2 is equal to

   (a) $160 \times 10^{-4} m^2$ (b) 16×10^{-3} m^2 (c) $16 \times 10^{-6} m^2$ (d) both (a) and (b)

4. Choose the correct statement

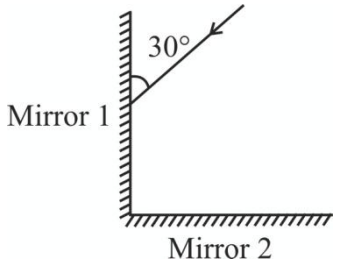
   (i) Geographic north pole and magnetic south pole are southern hemisphere

(ii) Magnetic axis and geographic axis are not parallel to each other

(iii) Magnetic north pole is in Southern hemisphere.

(a) (i) and (ii) (b) (ii) and (iii) (c) (i) and (iii) (d) all are correct

5. If Mirror -1 and Mirror- 2 are perpendicular to each other then find angle of reflection from Mirror -2



(a) 35^0 (b) 30^0 (c) 60^0 (d) 90^0

6 Ramesh is observing his image in a plane-Mirror. The distance between the Mirror and his image is 4m. If he moves 100 cm toward the Mirror, calculate the distance between Ramesh and his image ?

(a) 6 m (b) 600 cm (c) 8 m (d) both (a) and (b)

7. In a circuit with one bulb, another bulb is added in series. What happens to the bulbs when current is passed ?

(a) They do not glow (b) They glow less brightly

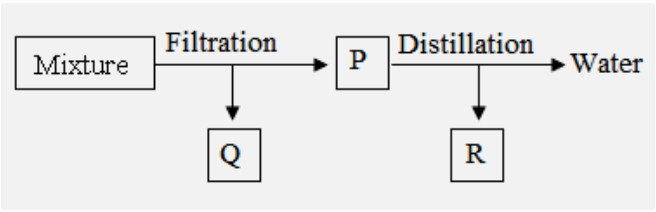
(c) They glow more brightly (d) They get fused

Chemistry (07 Marks)

8. Which of the following properties cannot be used for distinguishing a solid from a liquid ?

(a) Solubility (b) Compressibility (c) Change of state (d) Conductivity

9.



What could the mixture be ?

(a) Water + Sand + Glass (b) Oxygen + hydrogen + Salt

(c) Stones + Rice + Water (d) Chalk Powder + Sugar + Water

10. What kind of mixtures are aerated drinks ?

(a) Solid – Solid (b) Liquid – Solid (c) Gas – Liquid (d) Liquid – Liquid

11. What is a chemical reaction in which heat energy is librated called ?

(a) An Exothermic reaction (b) A physical change

(c) An Endothermic reaction (d) A photochemical reaction

12. Ground water gets recharged by the process of

(a) Aquification (b) Transpiration (c) Infiltration (d) Transportation

13. Temporary hardness of water is due to the presence of

(a) Calcium bicarbonate (b) Sodium carbonate

(c) Potassium carbonate (d) Magnesium hydride

14. Air moves with great speed during –

(a) Drought (b) Cyclones (c) Volcanic eruptions (d) Floods

Biology (06 Marks)

15. Which of the following statements is not true ?

(a) Deficiency diseases can be prevented by eating a balanced diet.

(b) Rickets and scurvy are vitamin deficiency diseases.

(c) Balanced diet should contain a variety of food.

(d) 4 Bowls full of protein rich food provides much more energy than 4 bowls full of carbohydrate rich food.

16. Which of the following lists of food is obtained from roots of the plant ?

(a) Spinach, cabbage, coriander (b) Potato, mango, broccoli

(c) Radish, turnip, carrot (d) Sugarcane, onion, beetroot

17. Match column -1 with column-II and select the correct option.

Column –I	Column –II
A. Weeds	(i) Present in Banana
B. Creepers	(ii) Weak stem
C. Reticulate venation	(iii) Unwanted plants
D. Parallel venation	(iv) Network of veins

(a) A – iii, B- ii, C- i, D – iv (b) A – iii, B – ii, C – iv, D – i

(c) A – ii, B – iii, C – iv, D- i (d) A- ii, B- iii, C- i, D- iv

18. ‘X’ is the skeleton which is present inside the body of an organism ‘Y’. Select the option which correctly identifies X and Y.

	X	Y
(a)	Bony exoskeleton	Earthworm
(b)	Soft exoskeleton	Snail
(c)	Liquid endoskeleton	Earthworm
(d)	Bony endoskeleton	Snail

19. The stem of a plant normally grows away from the Earth, hence is called X whereas roots of a plant normally grow towards the Earth hence are called Y.

	X	Y
(a)	Negatively phototropic	Positively phototropic
(b)	Negatively geotropic	Positively geotropic
(c)	Positively geotropic	Negatively geotropic
(d)	Positively phototropic	Negatively phototropic

20. Which of the following is not a structural adaptation ?

(a) Camels have long eyelashes to protect their eyes from dust storm.

(b) Some animals migrate from less favourable to more favourable places in search of food and to escape harsh weather.

(c) Stem of cactus becomes fleshy to store water and also performs photosynthesis.

(d) Some aquatic plants have reduced root system and dissected ribbon like leaves.

Mathematics (20 Marks)

21. The length and breadth of a rectangle are in ratio 3 : 1. If the breadth is 7 cm, then the length of the rectangle is

(a) 14 cm (b) 16 cm (c) 18 cm (d) 21 cm

22. If the cost of 10 m of cloth is Rs. x, then the cost of 1 m of cloth is

(a) Rs. 10 x (b) Rs. $(10-x)$ (c) Rs. $(10+x)$ (d) Rs. $\frac{x}{10}$

23. The equation for the statement half of a number added to 10 is 15 represented as.

(a) $\frac{x}{2}+10=5$ (b) $\frac{x}{2}+10=15$ (c) $\frac{x}{2}+15=10$ (d) $\frac{x}{2}=10+15$

24. How many millions in 1 billion ?

(a) 10 (b) 100 (c) 1000 (d) 10000

25. The difference between the largest 5 – digit number and the largest 5- digit number with three distinct digits are

(a) 10 (b) $\frac{100}{2}$ (c) 12 (d) 123

26. The product of first five whole numbers is

(a) 0 (b) 120 (c) 24 (d) 10

27. Identity element for multiplication of whole numbers is

(a) 0 (b) 1 (c) 2 (d) None of these

28. How many prime numbers are these upto 100 ?

(a) 20 (b) 22 (c) 23 (d) 25

29. The smallest number which when divided by 5, 6, and 8 gives the same remainder 2 is

(a) 122 (b) 118 (c) 120 (d) 124

30. If the area of square is numerically equal to its perimeter, then the length of each side is

(a) 1 unit (b) 2 unit (c) 3 unit (d) 4 unit

31. Four square tables with side 1.3m are placed end to end to form one big rectangular table. The perimeter of rectangular table is

(a) 5.2 m (b) 10.4 m (c) 13 m (d) 20.8 m

32 If the side of a square are doubled, its area becomes

(a) 2 times (b) 3 times (c) 4 times (d) 8 times

33. The angle between the mirror line *l* and the line segment joining a point and its reflection is

(a) 0^0 (b) 45^0 (c) 60^0 (d) 90^0

34. Which of the following words is made of letters having only horizontal line of symmetry ?

(a) MAT (b) HAT (c) BED (d) MOM

35. An acute angle is formed between the hands of a clock at

(a) 9 O'clock (b) 4 O'clock (c) 11 O'clock (d) 6 O'clock

36. What part of a revolution have you turned through if you stand facing north and turn clockwise to face west ?

(a) $\frac{1}{4}$ (b) $\frac{1}{2}$ (c) $\frac{3}{4}$ (d) None of these

37. The greatest negative integer is

(a) 0 (b) 1 (c) –1 (d) Not determinable

38. What must be added to –15 to get 15 ?

(a) 30 (b) – 30 (c) 15 (d) – 15

39. What fraction of numbers from 1 to 15 are prime numbers ?

(a) $\frac{8}{18}$ (b) $\frac{7}{15}$ (c) $\frac{6}{15}$ (d) $\frac{9}{15}$

40. The data arranged in ascending or descending order is known as

(a) Array data (b) Raw data (c) Tally marks (d) Frequency

Social Science (20 Marks)

41. Which of the following was the capital of the Pallavas ?

(a) Madurai (b) Kanchipuram (c) Aihole (d) Mathura

42. In the Tamil region, ordinary ploughmen were known as –

(a) Kadaisiyar (b) Grihapatis (c) Adimai (d) Uzhavar

43. Where did Gautama Buddha pass away ?

(a) Sarnath (b) Kusinara (c) Bodh Gaya (d) Lumbini

44. Ravikirti was the court poet of ...

(a) Samudragupta (b) Ashoka (c) Pulakeshin II (d) ChandraguptaII

45. What is the longitudinal extent of India ?

(a) $8^0$4'N – $37^0$6'N (b) $68^0$7'W – $97^0$25W

(c) $8^0$6' E – $68^0$7'E (d) $68^0$7'E – $97^0$25'E

46 Bachendri Pal climbed the Mt. Everest on .....

(a) 29th May 1953 (b) 16th May 1984

(c) 23rd May 1984 (d) 10th May 1953

47 Spring Equinox occurs in the Southern Hemisphere on .....

(a) 21 March (b) 21 June (c) 23 September (d) 22 December

48 Who coined the Phrase "unity in diversity" ?

(a) Mahatma Gandhi (b) Dr. B. R. Ambedkar

(c) Rabindranath Tagore (d) Jawahar Lal Nehru

49. When did the women in the UK get the right to vote ?

(a) 1928 (b) 1982 (c) 1920 (d) 1828

50. The city of surat had a plague scare in .....

(a) 1984 (b) 1994 (c) 2004 (d) 2010

51. The word 'manu' which means 'hand' is taken from which language ?

(a) Latin (b) Roman (c) Greek (d) Arabi

52. In which state is Brahmagiri site located ? ?

(a) Kashmir (b) Uttar Pradesh (c) Madhya Pradesh (d) Karnataka

53. The literal meaning of Upanishad is

(a) Emancipation (b) Thirst (c) Sitting near Guru (d) Soul

54. How many major religions are there in the world ?

(a) 4 (b) 6 (c) 8 (d) 10

55. Dr. Ambedkar was born in .....

(a) 1890 (b) 1891 (c) 1892 (d) 1993

56. In the U.S.A the women got the right to vote in .....

(a) 1914 (b) 1919 (c) 1920 (d) 1928

57. The age for becoming a member of the Gram Panchayat should be :

(a) 18 years (b) 20 years (c) 21 years (d) 24 years

58. Earth's twin planet is :

(a) Mercury (b) Venus (c) Mars (d) Saturn

59. How many time zones are there in Russia ?

(a) 10 (b) 11 (c) 12 (d) 13

60. Which is/are the day/days of equinox ?

(a) 21st March (b) 23rd September (c) Both (a) and (b) (d) None of these

English (20 Marks)

61. The **jury** were divided in their opinions. (State the kind of noun of the underlined word.)

(a) Collective Noun (b) Proper Noun

(c) Common Noun (d) Abstract Noun

62. A group of peacocks is known as .....

(a) flight (b) leash (c) muster (d) gaggle

63. What is the plural of 'MBA' ?

(a) MBAS (b) MBA's (c) MBAes (d) MBA

64. Balinda is **a fashion model**. (Identify the underlined part.)

(a) Subject (b) Object (c) Adjunct (d) Complement

65. We talked in whispers as not to disturb anyone. (State the type of verb.)

(a) Finite verb (b) Non- finite verb (c) Main verb (d) None of these

66. He is **rather** busy. (Identify the type of adverb.)

(a) Adverb of manner (b) Adverb of frequency

(c) Adverb of degree (d) Adverb of duration

67. ..... Sweta, all the girls were present in the class.

(a) Beside (b) Besides (c) Beyond (d) None of these

68. ..... had he reached the school ..... it began to rain.

(a) Not only, but also (b) Either, or

(c) Hardly, when (d) Both, and

69. Let's make some Diwali greeting cards and send them to our soldiers on the border.

(State the type of sentence.)

(a) Simple Sentence (b) Compound sentence

(c) Complex sentence (d) None of these

70. The teacher said to the students, "A little knowledge is a dangerous thing."

(a) The teacher said to the students that a little knowledge is a dangerous thing.

(b) The teacher told the students if a little knowledge was a dangerous thing.

(c) The teacher told the students that a little knowledge is a dangerous thing.

(d) The teacher told the students that a little knowledge was a dangerous thing.

71. I have a house ..... large windows.

(a) of (b) from (c) with (d) off

72. The question paper was **extremely difficult**. (State the type of phrase)

(a) Noun Phrase (b) Adjective Phrase (c) Adverb Phrase (d) Verb Phrase

73. **Which** film did you see? (State the type of word.)

(a) Interrogative Pronoun (b) Interrogative Adjective

(c) Adjective of quality (d) Demonstrative Adjective

74. Everest is not so ..... as most people believe it to be.

(a) tall (b) taller (c) tallest (d) none of these

75. ..... spectators who came to see the match were disappointed with India's batting.

(a) Few (b) A few (c) The few (d) The little

76. The poet and the philosopher ..... dead.

(a) is (b) was (c) has (d) are

77. One lakh ..... a large sum of money.

(a) is (b) are (c) were (d) have

78. Did the train .....in the morning?

(a) start (b) starts (c) started (d) starting

79. The patient needs an ambulance. (Change the voice.)

(a) An ambulance is needs by the patient.

(b) An ambulance is needed by the patient.

(c) An ambulance was needed by the patient.

(d) An ambulance was needed with the patient.

80. Choose the correct spelling.

(a) Buraceucracy (b) Bureaucracy

(c) Bureuacracy (d) Burueacracy

(Space for rough work)

THANK YOU FOR BELIEVING IN US!

X CLASS TOPPER

VINAYAK

99.2% IN CLASS X
CBSE BOARD EXAMINATION 2022

XII CLASS TOPPER

SANYAM BANSAL

SANYAM BANSAL

1ST RANK

- 1ST RANK, INTERNATIONAL COMMERCE OLYMPIAD, CTF, DELHI
- 1ST RANK– ICAI, COMMERCE WIZARD (REWARDED WITH RS. 1 LAC BY THE GOVT. OF INDIA)
- 1ST RANK (STATE)–STSE, RAJASTHAN

99.8% IN CLASS XII
CBSE BOARD EXAMINATION 2022

Class X-2022

98% & Above	95% & Above	90% & Above	85% & Above	80% & Above
39 STUDENTS	228 STUDENTS	807 STUDENTS	1346 STUDENTS	1773 STUDENTS

TOTAL MERITS 2151

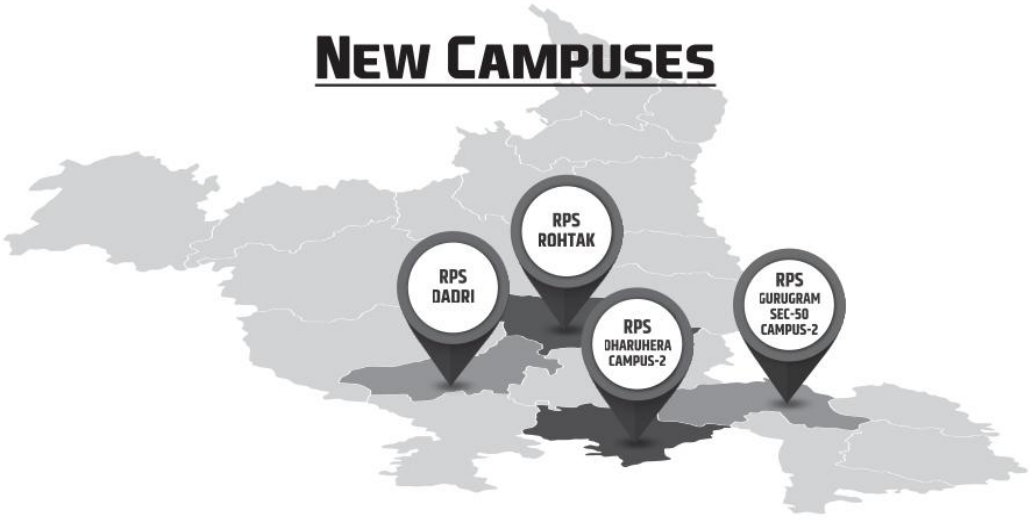
Class XII-2022

98% & Above	95% & Above	90% & Above	85% & Above	80% & Above
16 STUDENTS	109 STUDENTS	497 STUDENTS	999 STUDENTS	1360 STUDENTS

TOTAL MERITS 1887

WE ARE SPREADING OUR WINGS

NEW CAMPUSES



New Campuses

Dharuhera Campus -2 Ph.: 9467064534 | **Rohtak** Ph.: 7419998800 | **Dadri** Ph.: 8222048283, 84 | **Gurugram Sec-50 Campus 2**: 8409989898

Mahendergarh Ph.:01285-222645, 9416150201 | **Rewari** Ph.:8222000359 | **Rewari City** Ph.:9053555526 | **Dharuhera** Ph.:9467064534 | **Kosli** Ph.:9255148141 | **Behror** Ph.:9529678004 | **Narnaul** Ph.:01282-248014, 8198976666 | **Hansi** Ph.:9813196969, 9896100407 | **Gurugram Sec- 50** Ph.:8409989898, 7827466258 | **Gurugram Sec- 89** Ph.:8222999182| | **Hisar** Ph.:8307760465 | **Karnal** Ph.:8398000304/06

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