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## OFFLINE EXAMINATION (PHASE –II)

### CLASS-VI

M.M. 60

TIME: 60 Minutes

Name : \_\_\_\_\_ Regn. No \_\_\_\_\_ Mobile No. \_\_\_\_\_

#### General Instructions:-

1. Duration of the examination is 60. Question Paper contains 60 questions with maximum 60 marks.
2. **There will be negative marking in Phase -II i.e:  $\frac{1}{4}$  mark will be deducted for each incorrect answer.**
3. Use of gadgets is not allowed.
4. Students must abide by the instructions issued during the examination by the invigilator or the centre incharge.
5. Before attempting the question paper ensure that it contains all pages & no question is missing.
6. Immediately fill the particulars on this page of the test booklet with blue/black ball point pen. Use of pencil is strictly prohibited.
7. Darken the bubbles completely. Do not put a tick ☒ or a cross ☒. Fill the bubbles completely.
8. Half-filled or over-filled bubbles will not be read by the software & liable to be rejected.

Correct Method




Student's Signature

Wrong Method




Invigilator's Signature



# ALL INDIA RPS OLYMPIAD-2022

(Organized by RPS Education Society Mahendergarh-Haryana)

M.M. 60

Class -6th

Time: 60 Minutes

## English (15)

1. Complete the following  
(i) Proud is to ..... as vain is to vanity.  
(a) protect                      (b) proud                      (c) patience                      (d) pride
2. They all gave evidence against .....  
(a) either                      (b) neither                      (c) one another                      (d) each other
3. Much ..... she has read, is of no use in the examination.  
(a) which                      (b) that                      (c) who                      (d) Both 'a' and 'b'
4. This event took place prior ..... the second World War.  
(a) before                      (b) after                      (c) than                      (d) to
5. Choose the correct **Adjective** form of 'Fiction'.  
(a) Fectitious                      (b) Fectetious                      (c) Fictitious                      (d) Fictietious

**Directions (6–7): In the following questions, a sentence has been given in Direct/Indirect Speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct Speech.**

6. The karate teacher asked me why I had been absent the day before.  
(a) The karate teacher asked me, "Why are you absent the day before?"  
(b) The karate teacher asked me, "Were you absent the day before?"  
(c) The karate teacher asked me, "Why were you absent yesterday?"  
(d) The karate teacher asked me, "Why are you absent yesterday?"
7. He said, "Oh! Enough!"  
(a) He exclaimed that enough.  
(b) He exclaimed with happiness that you are enough.  
(c) He exclaimed with disgust that it was enough.  
(d) He exclaimed that it is enough.
8. We must conform ..... the rules of the game.  
(a) in                      (b) to                      (c) at                      (d) from
9. It is needless to lament ..... the dead.  
(a) to                      (b) of                      (c) for                      (d) with

10. Our publisher is accustomed ..... hard labour.

- (a) of (b) for (c) to (d) from

**Directions (11-13): In the following questions, some parts of the sentences have errors and some are correct. Find out which part of the sentences has an error. The number of that part is the answer. If a sentence is free from error, your answer is 'No error'.**

11. My father has not heard from my (a)/ younger brother who are abroad (b)/ for over a month. (c)/ No error (d)

12. Swift's Gulliver's Travels have been (a)/ read by me (b)/ several times. (c)/ No error (d)

13. The amount (a)/ of accidents (b)/ is steadily increasing. (c)/ No error (d)

14. The captain as well as his soldiers ..... marching forward.

- (a) is (b) are (c) being (d) Both 'a' and 'b'

15. The thief explained how he .....from the jail.

- (a) escapes (b) had escaped (c) escaped (d) has escaped

### Mathematics (15)

16. Of six consecutive numbers, the sum of first three is 27. What is the sum of next three ?

- (a) 30 (b) 40 (c) 36 (d) 45

17. P and Q are two positive integers such that  $PQ = 64$ . Which of the following is not the correct value of  $P + Q$  ?

- (a) 20 (b) 65 (c) 16 (d) 35

18.  $\frac{3^{th}}{4}$  part of tank is full of water. When 30 litres of water is taken out, the tank becomes empty. What is the capacity of the tank ?

- (a) 36 litres (b) 42 litres (c) 40 litres (d) 38 litres

19. 30 men can do a piece of work in 16 days. How many men would be required to do the same work in 20 days ?

- (a) 12 (b) 36 (c) 48 (d) 24

20. The perimeters of two squares are 40 cm and 32 cm. The perimeter of a third square whose area is the difference of the area of two squares is

- (a) 24 cm (b) 42 cm (c) 40 cm (d) 20 cm

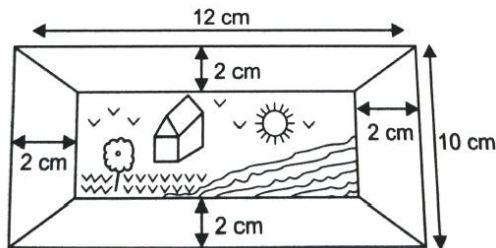
21. How many edges are in triangular prism ?

- (a) 5 (b) 6 (c) 8 (d) 9

22. A polygon has prime number of sides. If number of sides is equal to the sum of the two least consecutive primes. The numbers of diagonals of the polygon is

(a) 4 (b) 5 (c) 7 (d) 10

23. The diagram given below shows a framed picture. Find the area of the picture.

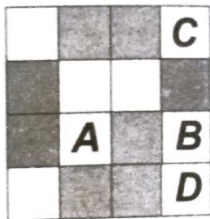


(a)  $48 \text{ cm}^2$  (b)  $39 \text{ cm}^2$  (c)  $92 \text{ cm}^2$  (d)  $120 \text{ cm}^2$

24. Two ropes 16 m and 20 m long are to be cut into small pieces of equal lengths. What will be the maximum length of each piece ?

(a) 5 m (b) 4 m (c) 7 m (d) 10 m

25. Which square must be shaded so that the figure has a line of symmetry ?



(a) A (b) B (c) C (d) D

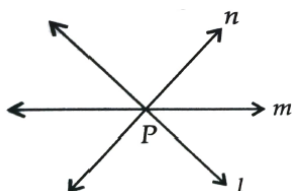
26. Find the share of A, B and c respectively, if Rs. 4340 is divided into  $\frac{1}{2} : \frac{1}{3} : \frac{1}{5}$ .

(a) Rs. 2100, Rs. 1400, Rs. 840 (b) Rs. 840, Rs. 2100, Rs. 1400  
(c) Rs. 1400, Rs. 2100, Rs. 840 (d) Rs. 1400, Rs. 840, Rs. 2100

27. Date obtained in the original form is called .....

(a) bar graph (b) pie chart (c) raw data (d) observation

28. In the given figure, lines l, m and n have been drawn passing through P. How many more lines can we draw through P ?



(a) 0 (b) 1 (c) 5 (d) Infinite

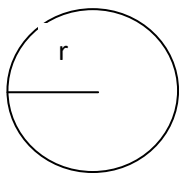
29. The predecessor of 1 million is

(a) 9999 (b) 99999 (c) 999999 (d) 9999999

30. Write down three numbers which have a mode of 7, a median of 7 and a mean of 8.  
(a) 7, 7, 9                      (b) 7, 8, 7                      (c) 10, 7, 7                      (d) 7, 7, 7

### Science (15)

31. Which of the following is another term for magnetization ?  
(a) Magnetic Power                      (b) Magnetic Polarization  
(c) Magnetic Neutrality                      (d) Magnetic Moment
32. A piece of red cloth when suitably illuminated may look black, but a piece of black cloth will never appear red. This phenomena occurs because  
(a) black cloth reflects only black light                      (b) black absorbs all the colours.  
(c) black cloth reflects all colours                      (d) red cloth reflects all colours
33. The ammeter is always connected in ..... with the electric circuit.  
(a) Parallel                      (b) Series                      (c) Both a and b                      (d) None of these
34. A particle is moving in a circular path of radius  $r$ .



The displacement after half a circle would be-

- (a) Zero                      (b)  $\pi r$                       (c)  $2r$                       (d)  $2\pi r$
35. The strength of the Earth's magnetic field is  
(a) zero everywhere                      (b) constant everywhere  
(c) vary from place to place on the earth surface                      (d) having very high value
36. All pure substances :-  
(a) have good taste                      (b) are made up of the same kind of molecules.  
(c) are good for health                      (d) are made up of two or more different kinds of molecules.
37. In the looms, the yarn is placed lengthwise on the frame is called :  
(a) bobbins                      (b) weft                      (c) warp                      (d) shuttle
38. A process by which gas is turned into liquid is known as :-  
(a) solution                      (b) condensation                      (c) fusion                      (d) evaporation
39. Gas that impairs the Oxygen absorbing capacity of the blood is :-  
(a) carbon dioxide                      (b) carbon monoxide  
(c) nitrogen                      (d) None of these
40. We are not able to see through a material, the material is said to be opaque and this property is called—

- (a) solubility                      (b) floating                      (c) transparency                      (d) opacity
41. The ..... is the longest and strongest bone in the body.  
(a) Femur                      (b) Radius                      (c) Ulna                      (d) Ankle bone
42. A protein molecule is formed of a number of smaller molecules called .....  
(a) body building nutrients                      (b) milk  
(c) amino acid                      (d) proteins
43. Which vitamin helps in formation of RBCs.  
(a) Vitamin B<sub>1</sub>                      (b) Vitamin B<sub>6</sub>                      (c) Vitamin B<sub>2</sub>                      (d) Vitamin B<sub>12</sub>
44. Birds and insects that fly in the air are called ?  
(a) Arboreal                      (b) Halophytes                      (c) Aerial                      (d) Amphibious
45. Which is a shrub among the following ?  
(a) Spinach                      (b) Mango                      (c) Lemon                      (d) Pipal

### Aptitude (Reasoning-15)

46. 90, 180, 12, 50, 100, 200, ....., 3, 50, 4, 25, 2, 6, 30, 3  
(a) 150                      (b) 175                      (c) 225                      (d) 250
47. Analogy :  
18 : 30 :: 36 : .....  
(a) 54                      (b) 62                      (c) 64                      (d) 66
48. In a certain code, 'POETRY' is written as QONDSQX and 'OVER' is written as PNUDQ. How is MORE written in that code language.  
(a) LNNQD                      (b) NNNQD                      (c) NLNQD                      (d) None of these
49. If RED is coded as 6720, then how would GREEN be coded ?  
(a) 1677209                      (b) 1677199                      (c) 16717209                      (d) None of these
50. If x is the brother of the son of y's son, how is x related to y ?  
(a) Son                      (b) Brother                      (c) Cousion                      (d) Grandson
51. A, B, C and D are to be seated in a row. But C and D cannot be together. Also B cannot be at the third place ?  
If A and B are together, then which of the following must be necessarily true ?  
(a) C is at the first place                      (b) D is at the First Place  
(c) C is not at the first place                      (d) A is at the third place

52.

11	6	8
17	12	-----
25	34	19
19	28	11

- (a) 9 (b) 13 (c) 15 (d) 16

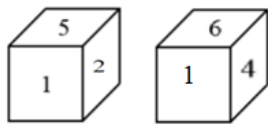
53. A shepherd had 17 sheep. All but Nine died. How many was he left with ?

- (a) Nil (b) 8 (c) 9 (d) 17

54. If  $A > D$ ,  $B > C$  and  $C > D$  then which of the following conclusion is definitely wrong ?

- (a)  $A > D$  (b)  $A > C$  (c)  $D > A$  (d)  $B > D$

55. When six is at the bottom, what number will be at top ?



- (a) 1 (b) 2 (c) 4 (d) 5

56. Analogy :

$$9 : 24 :: ? : 6$$

- (a) 1 (b) 2 (c) 5 (d) 3

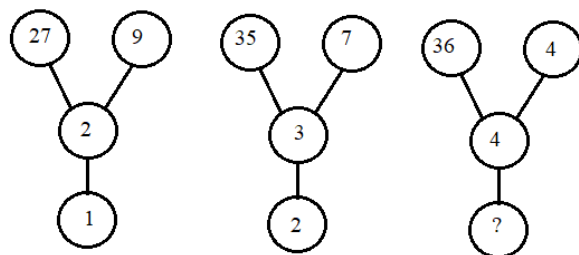
57. If the English alphabet is written in reverse order, then which letter is 7<sup>th</sup> to the left of 11<sup>th</sup> letter from right ?

- (a) W (b) H (c) R (d) D

58. If CAT = 12, then MAN = ?

- (a) 14 (b) 24 (c) 16 (d) 15

59.



- (a) 3 (b) 4 (c) 5 (d) 6

60. Bharati is 8 ranks ahead of Divya, who ranks 26<sup>th</sup> in a class of 42. What is Bharati's rank from the last ?

- (a) 9<sup>th</sup> (b) 24<sup>th</sup> (c) 25<sup>th</sup> (d) 34<sup>th</sup>



**SPACE FOR ROUGH WORK**

# RPS - THE COMPLETE SCHOOL

## BEST IN HARYANA

IN CULTURAL

IN SPORTS

IN ACADEMICS



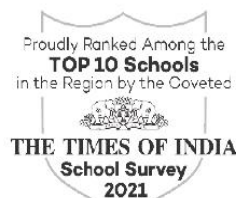
Highest Number of  
**Girls Qualifiers** in  
**NDA**  
Among Schools of India



in **World Dancer Online**  
International Dance Contest 2021  
to **Amishi Gautam**  
by Akhil Nalrajam Aantur sanskritik  
Sangh, Nagpur



Sensational performance by  
**LAXIT**  
in the **ASIAN PARALYMPIC**  
GAMES (Bahrain)  
**Bronze Medal**  
(Javelin Throw)



RPS International School  
Sec-50 Gurugram,  
**Rank-4** in Gurugram  
Challengers Category

RPS International School  
Sec-89 Gurugram,  
**Rank-5** in Gurugram  
Challengers Category

RPS International School  
Behror, Rajasthan,  
**Rank-7** among Top 10  
Boarding Schools of North India



**SANYAM BANSAL**  
IN **COMMERCE**  
**WIZARD-2021**  
by Institute of  
Chartered  
Accountants  
of India  
& won  
Prize of ₹ 1 Lakh

**RPS PUBLIC SCHOOL (HANSARA)**  
**OVERALL CHAMPION**  
in Distt. Rewari in Bal Mahotsava 2021  
9th Time in a Row

**RPS SR. SEC. SCHOOL**  
(MAHENDERGARH) Claimed Distt. Narnaul  
**CHAMPION'S TROPHY**  
in Bal Mahotsava 2021, 12th Time in a Row



**RPS PUBLIC SCHOOL**  
(DHARUHERA) stood proud as  
**First Runner Up**  
in Bal Mahotsava Rewari 2021

**RPS INTERNATIONAL SCHOOL**  
(Sec-50, Gurugram)  
**CHAMPION'S TROPHY**  
in Bal Mahotsava, Gurugram-2021

**SUPER**  
Achievements  
of **RPS**  
GROUP OF  
SCHOOLS

**40**  
STUDENTS

**AIIMS**  
2021

**66**  
STUDENTS

**NTSE-II**  
2022

**507**  
STUDENTS

**NEET**

**441**  
STUDENTS

**IIT-JEE**  
Main

**80**  
STUDENTS

**IIT-JEE**  
Advanced

**15**  
STUDENTS

**KVPY**

**110**  
STUDENTS

**NDA**

**62**  
STUDENTS

Securing 600  
marks & Above in  
**NEET**

**17**  
STUDENTS

**CLAT**