



Affiliated to CBSE

HARYANA
PUBLIC SCHOOL

Affiliation No. 530346

तांत्रिक रो से सकलता तक
विद्या ददाति विनियम



the play school that cares

THE

VENKATESHWAR
SCHOOL

AN ISO 9001 : 2015 Certified

1ST ALL INDIA BRAIN LEAGUE EXAM 2026

Class - VII

Time: 60 Minutes

M.M =45

General Instructions:

1. The duration of the examination is 60 minutes. Question paper contains 45 questions with maximum 45 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 and OMR with BLACK ballpoint pen only. Use of pencil is strictly prohibited.
7. Fill and darken the bubbles completely. Do not put a tick or a cross.
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



Invigilators's Signature

English

1. Choose the correct sentence from The following sentences:
(A) I run faster than him.
(B) I run faster than himself.
(C) I run faster than he.
(D) None of these.
2. The ___ of women is possible only through giving them financial _____.
(A) empowered, freedom
(B) empowerment, freedom
(C) empowerment, freeness
(D) none of these
3. She lives at the ___ end of the lane.
(A) far
(B) further
(C) farthest
(D) more far
4. Churchill was _____ great orator and _____ politician of his time.
(A) a, a
(B) a, x
(C) a, the
(D) the, a
5. A soldier is taught never to fight cowardly. The underlined is a/ an
(A) Noun
(B) Pronoun
(C) Adjective
(D) Adverb
6. Don't touch this switch. Select one sentence which expresses the same sentence in passive voice:
(A) This switch does not be touched.
(B) This switch need not touch.
(C) You are prohibited to touch the switch.
(D) Both b and c

Choose the type of sentence:-

7. She passed the exam although he didn't study much.
(A) simple
(B) compound
(C) complex
(D) both b and c
8. Out of four alternatives, choose the one which best expresses the meaning of the word.
"Prognosis"
(A) Diagnosis
(B) Forecast
(C) Preface
(D) identity

Physics

9. Boojho walks 3km to school in 30mins, then returns home by bicycle in 20mins (after finding school closed). What's his average speed for the whole trip in km/hr?
(A) 7.2km/hr
(B) 8.3km/hr
(C) 5km/hr
(D) 3.6km/hr
10. Consider the following statements and choose the correct option:
Statement 1: When we stand in front of a bonfire, we experience heat transfer Primarily by conduction.
Statement 2: If you touch a metal spoon that has been placed in a hot cup of tea, you will feel heat transfer from the spoon to your hand. This heat transfer is primarily due to convection.
(A) Statement 1 is correct but statement 2 is incorrect.
(B) Statement 1 is incorrect but

statement 2 is correct.

(C) Both the statements are correct.
(D) Both the statements are incorrect.

11. Choose the statement that is not correct in the case of an electric fuse.

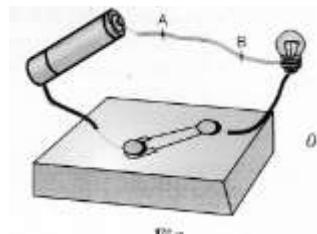
(A) Fuses are inserted in electric circuits of all buildings.
(B) There is a maximum limit on the current which can safely flow through the electric circuits.
(C) There is a minimum limit on the current which can safely flow in the electric circuits.
(D) If a proper fuse is inserted in a circuit it will blow off if current exceeds the safe limit.

12. Complete the sentence:
The change in the shape of a hot tin can containing water vapour, when cold water is poured on it is because_____.



(A) pressure outside the can is the same as that inside
(B) pressure inside the can becomes less than that outside
(C) pressure inside the can becomes equal to the atmospheric pressure
(D) pressure inside the can becomes more than that outside

13. When an electric current flows through a copper wire AB as shown in figure, the wire



(A) deflects a magnetic needle placed near it.
(B) becomes red hot.
(C) gives electric shock.
(D) behaves like a fuse.

Chemistry

14. Galvanisation is a process used to prevent the rusting, Which of the following metal is used for this process?

(A) Iron
(B) Zinc
(C) Aluminium
(D) Copper

15. Identify the INCORRECT statement:

(A) Dead and decaying matter enrich soil of the forest
(B) Interconnected food chains forms a food web.
(C) Forest are called green lungs.
(D) Animal Excreta pollute the forest floor.

16. Identify the physical change from the following:

(A) Digestion of food
(B) Melting of wax
(C) Extraction of iron from ore
(D) Formation of manure from leaves

17. Read the statements given below and select the correct option:
Statement 1: The branched part of a tree above the stem is called the crown of the

tree.

Statement 2: The covering of large trees that serve as a roof to shelter an area or other plants in forests is called understorey.

- (A) Statement 1 is correct but statement 2 is incorrect.
- (B) Statement 1 is incorrect but statement 2 is correct.
- (C) Both the statements are correct.
- (D) Both the statements are incorrect.

18. How will the addition of turmeric affect the colour of lime water?

- (A) The solution becomes blue in colour
- (B) The solution becomes red in colour
- (C) The solution becomes yellow in colour.
- (D) The solution becomes pink in colour

Biology

19. During inhalation, the diaphragm:

- (A) Relaxes and moves up
- (B) Contracts and moves down
- (C) Reduce space in the lungs
- (D) None of the above

20. Given below from (i) to (iv) are some food items.

- (i) Boiled and mashed potato
- (ii) Glucose solution
- (iii) A slice of bread
- (iv) Mustard oil

Which of the above will give blue-black colour when tested with iodine?

- (A) (i) and (ii)
- (B) (i) and (iii)
- (C) (ii) and (iii)
- (D) (iii) and (iv)

21. Cellulose-rich food substances are good source of roughage in human beings because

- (A) human beings do not have cellulose-

digesting enzymes.

- (B) cellulose gets absorbed in the human blood and converts into fibres.
- (C) the cellulose-digesting bacteria convert cellulose into fibres.
- (D) cellulose breaks down into smaller components which are egested as roughage.

22. Assertion (A): The small intestine is the main site for absorption of nutrients.

Reason (R): The inner walls of the small intestine have finger-like projections.

- (A) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true, but R is false.
- (D) A is false but R is true.

23. Water and minerals are transported from roots to other parts of the plants by

- (A) Phloem
- (B) Xylem
- (C) Chlorophyll
- (D) Stomata

Maths

24. If $(3a+5b) : (3a-5b) = 5:1$ then a:b is...

- (A) 2:1
- (B) 3:2
- (C) 5:2
- (D) 5:3

25. In $\triangle ABC$, $\angle A = 50^\circ$ and $\angle B = 60^\circ$.

What is the measure of the exterior angle at vertex C?

- (A) 70°
- (B) 110°
- (C) 120°
- (D) 130°

26. The product of $4st(s-t) - 6s^2(t-t^2) - 3t^2(2s^2-s) + 2st(s-t)$

(A) $-3st^2$
 (B) $-9st^2$
 (C) $4st^2$
 (D) $-5st^2$

27. The angles of a triangle are $(3x)^\circ$, $(2x-7)^\circ$ and $(4x-11)^\circ$ Then x is...

(A) 18
 (B) 20
 (C) 22
 (D) 30

28. The perimeter of a rectangular sheet of paper is $56\frac{1}{2}$ cm and its width is $12\frac{1}{2}$ cm. Its length is _____

A. $29\frac{1}{2}$ cm
 B. $20\frac{2}{3}$ cm
 C. $15\frac{3}{4}$ cm
 D. $18\frac{3}{4}$ cm

29. The product of $[3x - \frac{4}{5}y^2x][\frac{1}{2}xy]$
 Is....

A. $[\frac{4}{7}x^2y - \frac{2}{5}x^2y^2]$
 B. $[\frac{3}{2}x^2y - \frac{2}{11}x^2y^2]$
 C. $[\frac{1}{7}x^2y - \frac{2}{5}x^2y^2]$
 D. $[\frac{3}{2}x^2y - \frac{2}{5}x^3y^2]$

30. If $25^{(n-1)} + 100 = 5^{(2n-1)}$ then the value of n is

(A) 2
 (B) 4
 (C) 6
 (D) 8

31. The numerator of a fraction is 4 less than the denominator. If 1 is added to both its numerator and denominator, it becomes $\frac{1}{2}$. The fraction is..

(A) $\frac{2}{5}$
 (B) $\frac{4}{9}$
 (C) $\frac{3}{7}$
 (D) $\frac{6}{7}$

32. If $\frac{3}{4}(7x-1) - (2x - \frac{1}{2}) = x + \frac{3}{2}$ then the value of is

a. $\frac{2}{5}$
 b. $\frac{-2}{5}$
 c. $\frac{-1}{9}$
 d. $\frac{7}{9}$

33. $\frac{4}{3}$ of a number is greater than $\frac{3}{4}$ of the Number by 4. The is ...

a. 12
 b. 64
 c. 80
 d. 102

34. A man goes 24 m due east and then 10 m due north. How far is he away from his initial position?

(A) 18m
 (B) 26 m
 (C) 28 m
 (D) 30 m

35. The ages of A and B are in the ratio of 5: 3. After 6 years their ages will be in the ratio of 7:5. The present age of A is...

(A) 5 years
 (B) 10 years
 (C) 15 years

(D) 20 years

36. A steel wire when bent in the form of a square encloses an area of 121 sq. cm. What will be the area of the same wire if rebent in the form of a circle?

(A) 124sq.cm
 (B) 154 sq.cm
 (C) 168 sq. cm
 (D) 193 sq.cm

37. The value of $[-8 u^2 v^6] \times [-20 uv]$ for $u = 2.5$ and $v = 1$ is...

(A) 2200
 (B) 2300
 (C) 2400
 (D) 2500

38. The mean of first 15 prime numbers is...

(A) 72.10
 (B) 21.87
 (C) 82.22
 (D) 66.32

Aptitude

39. If A is the brother of B, B's father is C, and C's only sister is D, then how is D related to A?

(A) Aunt
 (B) Mother
 (C) Grandmother
 (D) Cousin

40. Rita starts at point A, walks 8 m north, then turns right and walks 6 m, then turns left and walks 8 m, and finally turns right and walks 10 m. In which direction is she now from point A?

(A) North-East
 (B) South-West
 (C) North-West
 (D) South-East

41. In a certain code language, the word "POLNET" is written as "RQNPVG". Using the same rule, how will "MARS" be written?

(A) NCTU
 (B) NBRU
 (C) OCTU
 (D) NDSW

42. A clock shows 3 : 27 pm. The minute hand moves 1260° in the next 7 hours. What will be the exact time on the clock after those 7 hours?

(A) 10:27 pm
 (B) 10:27 am
 (C) 9:27 am
 (D) 9:27 pm

43. Find the missing term in the series:
 AZ , CX , FU , JQ , ?

(A) BY
 (B) CH
 (C) DN
 (D) OL

44. In a survey of 60 students, 35 said they enjoy reading, 28 said they enjoy playing video games, and 12 said they do both. How many students enjoy only reading?

(A) 23
 (B) 21
 (C) 24
 (D) 22

45. Find the next number in the sequence.
 5, 6, 11, 34, 135, ?

A. 679
 B. 677
 C. 678
 D. 676

Answer Key 7th

1 A.	9. A 7.2 km/hr	24. c 5:2	39. (A) Aunt
2 b	10. D	25. b 110°	40. (A) North-- East
3 c		26. a	41. (C) OCTU
4 B	11.C		
5 D	12.B		42. (B) 10:27 am
6 C		27. C	43. (D) OL
7 B	13.A		44. (A) 23
8 B	Chemistry	28.c $15\frac{3}{4}$ cm ³	45. D) 676
	14.B zinc	29.d $[\frac{3}{2}x^2y - \frac{2}{5}y^2$ $x^2]$	
	15.D		
	16.B	30.a 2	
	17.A		
	18.B The solution becomes red in colour	31.c $\frac{3}{7}$	
		32.d $\frac{7}{9}$	
	Biology		
	19. B Contracts and moves down	33.c 80	
	20.B (i) and (iii)	34.b 26 m	
	21.A.	35.c 15 years	
	22.A	36.b 154 sq.cm	
	23. B	37.d 2500	
		38.b 21.87	

