Discover the Star within you and Get Rewarded

Paper Code: 11

ACHIEVER'S ACADEMY

Presents

आरम्भ

सुनहरे भविष्य का

TEST OF BRILLIANCE

SCHOLARSHIP EXAM

SCHOLARSHIP EXAM - 2021

CLASS - 7th

Duration : 1.00 hours **Maximum marks : 200**

Instruction to Candidates

1. CP Star Test consists of total 50 questions and has been divided in three sections as follows:

a.	Science	24 Questions	Que. No. 01 to 24
b.	Maths	16 Questions	Que. No. 25 to 40
c.	Mental Ability	10 Questions	Que. No. 41 to 50

2. All questions are compulsory.
3. All the answers will be encircled in OMR sheet which is being provided along with this paper.
4. For every correct answer marked by you, **4** marks will be allotted.
5. For every incorrect answer marked by you, **1** marks will be deducted.
6. Use of calculator is not permitted in any case.
7. Any kind of malpractice will expel you from exam immediately.
8. For any confusion please talk to the invigilator in the examination hall.

SECTION - A [SCIENCE]

1. Water reaches the leaves from the root by

(1) stomata (2) phloem

(3) xylem (4) none

2. The chemical used in starch test is

(1) safranin (2) blue ink

(3) iodine (4) litmus

3. The semi-sold mass which is produced after thoroughly mix up of food and gastric juice is called

(1) bulus (2) chynal

(3) bile (4) villus

4. The movement of food in food pipe is called

(1) linear movement

(2) rectilinear movement

(3) smooth movement

(4) peristaltic movement

5. Scientific name of mulberry is

(1) legumes (2) morus alba

(3) spirogyra (4) none

6. Which bacterium causes a total blood disease?

(1) rhizobium (2) anthrax

(3) both (1) and (2) (4) none of these

7. What is the normal temperature of a healthy person?

(1) 37^0C (2) 37^0F

(3) 37K (4) None of these

8. Conduction is the method of transfer of heat in

(1) liquids (2) solids

(3) gases (4) vacuum

9. Which of the folloiwng ion is responsible for the acidic nature of hydrochloric acid?

(1) hydrogen ion (2) hydroxide ion

(3) chloride ion (4) hydrochloride ion

10. Tartaric acid is found in

(1) vinegar (2) curd

(3) amla (4) tamarind

11. Ozone layer protects us from harmful

(1) ultraviolet radiation (2) infrared radiation

(3) visibel radiation (4) heat radiation

12. Which of the following changes is accompanied by sound?

(1) Photosynthesis

(2) spoilage of food

(3) explosion of fire works

(4) none

13. Which of the following part of India has hot and dry climate?

(1) Kashmir (2) Rajasthan

(3) Kerala (4) None of these

14. The temperature in polar regions in winter can be as low as

(1) -40^0C (2) 34^0C

(3) 45^0C (4) -37^0C

15. The India meteorological department forecasts cyclones with the help of

(1) rohini satellite

(2) aryabhatta satillite

(3) insat (INSAT)satellite

(4) none of these

16. Winds are expected to blow towards the equator, at a latitude of

(1) 40^0N (2) 30^0N

(3) 20^0N (4) None

17. Which physical property of soil is important to us?

(1) texture

(2) water holdingcapacity

(3) both (1) and (2)

(4) None of these

18. Availability of water and minerals in the soil for maximum absorption by roots is in

(1) B-horizon (2) C-horizon

(3) A-horizon (4) None of these

19. The vital biological process of organisms is

(1) inspiration (2) respirotion

(3) transperation (4) None of these

20. A person can hold air in the lungs is-

(1) 50 ml (2) 5000 ml

(3) 500 ml (4) 0.5 ml

21. The percentage of oxygen in exhaled air is

(1) 14.4% (2) 4.4 %

(3) 16.4 % (4) 0.04%

22. The fluid part of the blood is known as

(1) membrane (2) plasma

(3) RBC (4) WBC

23. A spore producing plant is

(1) rose (2) potato

(3) bread mould (4) ginger

24. The zygote develops into

(1) A seed (2) An ovule

(3) A fruit (4) An embryo

SECTION - B [MATHS]

25. $(-1)\times(-1)\times(-1)\times$.....10 times is equal to
(1) 1 (2) –1
(3) 1 or –1 (4) none of these

26. The additive identity for integers is
(1) 1 (2) –1
(3) 0 (4) none of these

27. A water bottle contains 2 litres of water meenu drank 1/8 of water. How much water did meenu drink.
(1) 1/2 litre (2) 1/8 litre
(3) 1/4 litre (4) none of these

28. The solution of the equation $\frac{p}{2}+1=3$ is
(1) 1 (2) 2
(3) 3 (4) 4

29. Find the measure of the angle which is double of its complementary angle?
(1) 60^0 (2) 30^0
(3) 45^0 (4) 120^0

30. Which of the following pairs of angles is not a pair of supplementary angles?
(1) $90^0, 90^0$ (2) $32^0, 58^0$
(3) $0^0, 180^0$ (4) $76^0, 104^0$

31. The ratio of the measures of the three angles of a triangle is 2 : 3 : 4. the measure of the largest angle is
(1) 80^0 (2) 60^0
(3) 40^0 (4) 180^0

32. The ratio of 15 days to 72 hours is
(1) 2 : 1 (2) 3 : 1
(3) 4 : 1 (4) 5 : 1

33. Outof 40 children in a class, 10 are boys what is the percentage of boys?
(1) 10% (2) 40%
(3) 4% (4) 25%

34. If $\frac{-8}{-9}=\frac{-16}{?}$, then ? =
(1) 18 (2) –18
(3) 9 (4) –9

35. The reciprocal of $\frac{-2}{5}$ is
(1) $-\frac{5}{2}$ (2) $\frac{5}{2}$
(3) $\frac{2}{5}$ (4) $-\frac{2}{5}$

36. $\frac{7}{12}\div\left(\frac{-7}{12}\right)=$
(1) 1 (2) –1
(3) 7 (4) –7

37. Which vertex of ΔABC is right angled if $\overline{AB}=8cm, \overline{AC}=6cm$ and $\overline{BC}=10cm$.
(1) <C (2) <A
(3) <B (4) A or C

38. 1 hectare =
(1) 10 m^2 (2) 100 m^2
(3) 1000 m^2 (4) 10000 m^2

39. The area of parallelogram of base 5 cm and height 3.2 cm is
(1) 8 cm^2 (2) 12 cm^2
(3) 16 cm^2 (4) 20 cm^2

40. How many terms are there in the expression $2p^3-3p^2+4p+7$
(1) 1 (2) 2
(3) 3 (4) 4

SECTION - C [MENTAL ABILITY]

41. 1, 4, 9, 16 ___?

(1) 20 (2) 25

(3) 36 (4) 30

42. Z, X, V, T, R ___?

(1) S (2) T

(3) P (4) O

43. Find the odd one out:

(1) Car (2) Jeep

(3) Van (4) Cycle

44. Knife : Cut :: Pen : ___?

(1) Pencil (2) Sew

(3) Ink (4) Write

45. 5 : 8 : : 15 : ?

(1) 18 (2) 19

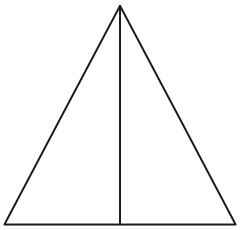
(3) 20 (4) 21

46. 6, 12, 20, 30, ?

(1) 40 (2) 41

(3) 42 (4) 48

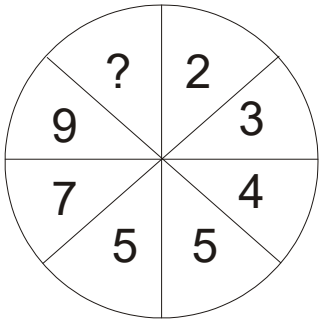
47. How many trinagles are there in the figure below?



(1) 2 (2) 3

(3) 4 (4) 1

48.



(1) 10 (2) 11

(3) 12 (4) 13

49. Find the odd one out-

(1) Square

(2) Rectangle

(3) Triangle

(4) Circle

50. Cotton : White : : Coal : ?

(1) Fire

(2) Mine

(3) Wood

(4) Black

ACHIEVER'S ACADEMY

CAREER POINT

ALWAR BRANCH

NEET | JEE | NTSE | OLYMPIAD | 7th to 10th

13 वर्षों से हर बार लगातार अलवर जिले में

JEE एवं NEET के सर्वश्रेष्ठ परिणाम देने वाला एकमात्र संस्थान

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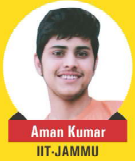
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