K.V.M. GLOBAL SCHOOL PAI (KAITHAL)
ENTRANCE TEST (Set-C)
CLASS 12th

TIME: 1:00 HOUR   MAX. MARKS: 50

Score:

Student's name:- _____   Father's name:- _____
Contact no. _____ Applied for class:- _____ Medium:- _____
Previous school name:- _____ Village:- _____

GENERAL KNOWLEDGE 1. शेर - ए - पंजाब किसका उपनाम है?

   (A) विपिन चंद्रपाल (B) सरदार भगत सिंह (C) लाला लाजपत राय (D) कोई नहीं

2. हरियाणा में कुल कितने जिले हैं?

   (A) 22   (B) 23   (C) 24   (D) 25

3. भारत की आर्थिक राजधानी कौन सी है?

   (A) नई दिल्ली   (B) मुंबई   (C) चेन्नई   (D) कोलकाता

4. सबसे अधिक जनसंख्या वाला महाद्वीप कौनसाहै?

   (A) एशिया   (B) साउथ अफ्रीका   (C) उत्तरी अमेरिका   (D) ऑस्ट्रेलिया

5. हरियाणा की सीमा किस राज्य साथ नहीं लगती है?

   (A) राजस्थान   (B) उत्तर प्रदेश   (C) दिल्ली   (D) जम्मू कश्मीर

6. भारतीय संसद में कितने अंग हैं?

   (A) 3   (B) 4   (C) 2   (D) 5

1

7. हरियाणा के राज्यपाल का नाम क्या है?

   (A) सत्यदेव नारायण   (B) मनोहर लाल   (C) अमित शाह   (D) कंवरपाल गुज्जर

8. भारत में कुल कितने केंद्र शासित प्रदेश हैं?

   (A) 8   (B) 9   (C) 10   (D) 7

9. राज्य सभा के सदस्यों की संख्या कितनी है?

   (A) 250   (B) 252   (C) 245   (D) 254

10. भारतीय कुल साक्षरता दर कितनी है?

    (A) 74.09%   (B) 75%   (C) 73%   (D) 70%

ENGLISH

11. I _____ tennis every Sunday morning.

    (A) playing   (B) play   (C) am playing   (D) am play

12. He fell and was taken to _____ hospital.

    (A) an   (B) a   (C) the   (D) no article

13. The Sun always shines _____ light and life to all.

    (A) bringing   (B) to bring   (C) brought   (D) having brought

14. He said that his mother _____ come that day.

    (A) may   (B) must   (C) might   (D) should

15. _____ party has its own flag.

    (A) Every   (B) None   (C) Either   (D) Each

16. Contact me _____ 11 a.m. and 5 p.m.

    (A) about   (B) before   (C) between   (D) after

17. The number of students _____ ten.

   (A) is   (B) are   (C) has   (D) were

18. The ladder was placed _____ the wall.

   (A) on   (B) against   (C) into   (D) across

19. The battle resulted _____ the victory of India.

   (A) with   (B) for   (C) in   (D) out

20. Study of plants is called.

   (A) Zoology   (B) Biology   (C) Botany   (D) Archeology

MATHEMATICS

41. The number of subsets of a set containing n elements is

   (A) 2n   (B) n^2 (C) 2^n (D) $2^n - 2$

42. If A = {1, 2, 3, 4} and B = {3, 4, 5, 6} Then A ∩ B =

   (A) {1, 3}   (B) {3, 4}   (C) {5, 6}   (D) {1, 2, 3, 4, 5, 6}

43. If (x +2, y - 3) = (4, 5) then the value of x and y is

   (A) x = 2, y = 8   (B) x = 8, y = 2   (C) x = 2, y = 2   (D) x = 8, y = 8

44. Value of Sin750° is

   (A) $\frac{1}{2}$ (B) $\frac{1}{\sqrt{2}}$ (C) $\frac{\sqrt{3}}{2}$ (D) 1

45. The value of tan1°tan2°tan3° .... tan89° is

   (A) 0   (B) 1   (C) $\frac{1}{2}$ (D) none

46. Evaluate , when n = 7, r = 4

   (A) 35   (B) 45   (C) 30   (D) 75

47. The number of possible outcomes when a coin is tossed 6 times is

3

(A) 36   (B) 64   (C) 128   (D) 32

48. Variance of first n natural number is

   (A) $\frac{n^2+1}{2}$ (B) $\frac{n-1}{12}$ (C) $\frac{n^2-1}{12}$ (D) none

49. if $y = \sqrt{x} + \frac{1}{\sqrt{x}}, then \frac{d}{dx} at x = 1 is$

   (A) 1   (B) $\frac{1}{2}$ (C) $\frac{1}{\sqrt{2}}$ (D) 0

50. Distance of the point (3, 4, 5) from the origin is

   (A) $\sqrt{3}$ (B) $\sqrt{50}$ (C) 4   (D) 3

PHYSICS

21. Number of significant figure in 0.01203

   (A) 3   (B) 4   (C) 5   (D) 6

22. Dimensional formula for stress is given as

   (A) $M^1 L^2 T^{-2}$ (B) $M^1 L^1 T^{-2}$ (C) $M^{-1} L^1 T^{-2}$ (D) $M^1 L^{-1} T^{-2}$

23. What is the mass of a body if its weight is 20N and g = 10m/s².

_____

24. Direction of is given by _____ rule.

25. Velocity of an object change from 20 m/s to 10 m/s in 2 sec. Find acceleration.

   (A) 5 m/s²   (B) - 5 m/s²   (C) 10 m/s²   (D) -10 m/s²

26. When the momentum of a body is increased by three times, its K.E. becomes

   (A) Twice   (B) half   (C) four times   (D) nine times

27. SI unit of moment of inertia is

   (A) kg/m²   (B) kg-m²   (C) kg-m   (D) kg-m/s²

28. Work done by gravitational force on moon revolving around earth.

4

(A) positive   (B) negative   (C) zero   (D) none of these

29. Degree of freedom for diatomic gases is

   (A) 4   (B) 5   (C) 6   (D) 3

30. Displacement travelled by a body may be

   (A) positive   (B) negative   (C) zero   (D) all of these

CHEMISTRY

41. 5.6 liters NH_3 contains?

   (A) 2 moles   (B) 4 moles   (C) 0.5 moles   (D) O.25 moles

42. Power to attract electrons in a bond, is called?

   (A) I.E.   (B) E.G.E.   (C) EN   (D) valency

43. How many electrons Zinc contain in its d subshell?

   (A) 4   (B) 9   (C) 10   (D) 5

44. What is name of shape of BrF_3 ?

   (A) tetrahedral   (B) See Saw   (C) T shape   (D) octahedral

45. What is standard value of R (Gas Constant) in liter atm?

   (A) 0.083   (B) 2   (C) 0.082   (D) 8.3

46. A condition, where no change in volume takes place

   (A) isothermal   (B) adiabatic   (C) isochoric   (D) isobaric

47. Factor affecting equilibrium is explained by

   (A) Hunds rules   (B) Le Chatlier principle   (C) Aufbau principle   (D) octet rule

48. IUPAC name of CH_3CH_2CHO is

   (A) Propanal   (B) Ethane nitrile   (C) propane nitrile   (D) isocynide

49. +RESONANCE is found in

(A) Phenol   (B) Benzaldehyde   (C) Benzoic acid   (D) none

50. Mark rule is observed in the following

    (A) alkanes   (B) alkenes   (C) Aldehyde   (D) Benzene

BIOLOGY

51. Which of the following have open circulatory system?

    (A) Arthropoda   (B) Piscs   (C) Aves   (D) Mammals

52. Which of the following is a modification of root?

    (A) Carrot   (B) Potato   (C) Ginger   (D) Turmeric

53. How many base pairs are present in one full turn at DNA helical strand?

    (A) 10   (B) 12   (C) 8   (D) 34

54. If the external solution have more solute than the cytoplasm, it is -

    (A) Hypotonic   (B) Hypertonic   (C) isotonic   (D) none

55. Which part at eye have greatest visual capacity

    (A) Fovea   (B) Blind spot   (C) Iris   (D) Cornea

56. Which bone is known as knee cap?

    (A) Patella   (B) Humerus   (C) Femur   (D) Radius

57. Which blood group is known as universal recipient?

    (A) AB   (B) O   (C) A   (D) B

58. Which PGR helps in ripening at fruits.

    (A) $CH_2=CH_2$ (B) Auxin   (C) Cytokinins   (D) ABA

59. Who gave binomial nomenclature of organisms?

    (A) Linnaeus   (B) R.H. Whitteker   (C) Aristotal   (D) Mendal

60. Oxygen in photosynthesis is comes from -

(A) Water   (B) Carbon dioxide   (C) Glucose   (D) Sunlight

Introduce yourself within 50 words.

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50 शब्दों में अपना परिचय दें।