Questions 1 to Question 5 Were From Passage.

6. Which of the following takes plural verb?

 A Politics   b. News   c. Nature

7. The antonym of affluence is?   d. Cattle

 a. pride   b. Without   c. Poverty

8. There aren't many apples on the tree, but you can pick …. If you want.   d. Liveliness

 a. little   b. a few   c. few

9. I advise that the company …. on an advertisements.   d. less

 a. to invest   b. investing   c. invest

10. …………..….. of my parents is educated.   d. will invest

 a. Either   b. neither   c. Both

11. Before going to Spain my brother took …..   d. None

 a. an intense   b. a concrete   c. an intensive

12. My father is trembling …. range.   d. a fantastic

 a. of   b. with   c. for   d. on

13.   Fossil is best described as

a.   Dead animal   b. Organic remains   c. Strutted animals   d. Minerals

14.   The roof of archenteron during gastrulation gives rise to

a.   neural plate   b. notochord   c. mesoderm   d. endoderm

15. The cholesterol level per 1 dl of human blood is ….. mg.

 a. 200   b. 800

16. The hear beat of adult is   c. 400   d. 1000

 a. 60-70   b. < 70

17. Amphids are present in   c. > 70   d. None

 a. nematdes   b. platyhelminthis

18. Third cleavage in egg of frog is   c. porifera   d. annelida

 a. Meroblastic and unequal   b. Holoblastic and equal

 c. Holoblastic and unequal

19. Ventral nerve cord is present in   d. Meroblastic and equal

 a. cockroach   b. amoeba

20. The skin of Rana don't contain   c. earthworm   d. both a and c

 a. sweat gland   b. mucous glands

21. The no. of lobes in right lungs of rabbit is   c. pigment cell   d. respiratory pores

 a. 2   b. 4

22. Nucleoside do not contain   c. 3   d. 5

 a. Protein   b. amino acid

23. Prehensile tails is found in   c. nitrogen base   d. phosphate group

 a. Wall lizard   b. Dog squirrel

24. Metamorphosis occurs in   c. Squirrel   d. Chameleon

 a. frog   b. rabbit

25. Photorespiration is common phenomenon in   c. man   d. snake

 a. C3 plants   b. C4 plants   d. C2 plants   d. All of them

26.   Glucose is not

a.   monosaccharide   b. hexose sugar   c. oligosaccharide   d. aldose sugar

27.   Funnel like corolla is present in

a.   solanaceae   b. malvaceae   c. cruciferae   d. fabaceae

28.   Which of the plant organelle is most affected by SO_2?

a.   Cell wall   b. cell membrane   c. Nucleus   d. Mitochondria

29.   Which cell organelle controls all the activities of cell?

a.   vacuole   b. mitochondria   c. nucleus   d. chloroplast

30.   Stilt root is commonly found in

a.   maize   b. mustard   c. apple   d. banana

31.   Which of the following is Initiation code?

a.   AUG   b. GUG   c. GUA   d. UAG

32.   Only living component of Xylem is

a.   vessels   b. ylem parenchyma   c. tracheids   d. companion cell

33.   Azolla is

a.   thallophyta   b. pteridophyta   c. bryophyte   d. gymnosperm

34. O_2 released during photosynthesis comes from

a.   water   b. carbon dioxide   c. glucose   d. enzymes

35.   Co-heritance of genes along the same chromosome is called

a.   linkage   b. epistatis   c. allele   d. mutation

36.   The first phenomenon during the cell germination is

a.   absorption   b. imbibition   c. osmosis   d. translocation

37.   Rate of reaction is independent of

a.   concentration of reactant   b. concentration of product
        c. catalyst   d. temperature

38.   How much mole of HCl reacts with 1 mole of $KMnO_4$?
        a. 5   b. 8

39. Order of reactivity of 1o, 2o , 3o alcohol is   c. 6   d. 3
 a. 1o > 2o > 3o   b. 1o < 2o < 3o   40. What is the oxidation number of Oxygen in H_2O_2?
        c. 1o < 2o > 3o   d. Depends on temperature
        a. +1   b. +2   c. -1   d. -2

41.   In the container it contains 1 mole of H_2, 1 mole of He, 1 mole of O_2, and 1 mole of O_3. What is the ratio of   moles of atoms of H_2, He, O_2 and O_3.

a.   1:2:2:3   b. 3:2:2:1   c. 2:2:1:3   d. 2:1:2:3

42.   Which of the following molecule has highest polarity?

a.   H-F   b. H-Cl   c. H-Br   d. H-I

43.   Which of the following is strongest acid?

a. $HCLO_4$ b. H_2SO_4 c. HCl   d, Aqua regia

44.   Equal weight of CH_4 and H_2 is taken in a vessel. The fraction of total pressure exerted by H_2 molecule is

a.   1/2   b. 1/8   c. 8/9   d. 1/9

45.   Which of the following does not give flame test?

a.   be   b. Mg   c. Na   d. Both a and b

46.   Fehling's test is used for detection of

a.   reducing sugar   b. fat   c. non-reducing sugar   d. amino acid

47.   Which of the following biomolecule has Zwitter ions?

a.   amino acid   b. glucose   c. fructose   d. lipid

48.   Most stable allotrope of Carbon is

a.   diamond   b. graphite   c. fullerence   d. charcoal

49.   In a uniform circular motion, which of the following remains constant?

a.   KE   b. displacement   c. acceleration   d. velocity

50.   Two satellites A and B, A is revolving with a velocity of V and the radius of the orbit for A is R. What is the velocity of Satellite B if it is in orbit of 2R?

a.   2V   b. V/2   c. 4V   d. V/4

51.   What is the unit of electrical potential?

a.   JC-1   c. C   c. NC   d. NM2/C

52.   Which of the following forms diminished virtual image?

a.   plane mirror   c. concave mirror   c. convex mirror   d. prism

53.   If an electron is drive between two plates with potential difference of 100V. What is the KE gained by the electron?

        a. 100 eV   b. 10 eV   c. 1 eV

54. 212o F is equivalent to …….. degree C. d. 1000 eV

        a. 100   b. 105   c. 110

55. Which of the following have higher elasticity?   d. 200

        a. steel   b. iron   c. cement

56. What happens to illuminance if distance is doubled?   d. rubber

        a. doubles   b. halves   c. remains same

57. 1 dyne sec per cm-1 is equal to d. decrease 4 times

        a. watt   b. Poise   c. Calorie   d. Pascal

58.   What is the induced emf when the flux associated with a coil varies at the rate of 1 weber per min?

a.   1V   b. 1/60 V   c. 0   d. 60 V

59.   A plane glass slab is placed over letters of different colours. Which letter appears to be raised most?

a.   red   b. violet   c. yellow   d. blue

60.   Inside pressure cooker, water boils at

a.   100 degree C   b. 120 degree C   c. 80 degree C   d. doesn't boil

61.   lim   (3-x / 3+x) 1/x

a.   e   b. e2/3   c. e-2/3   d. e1/3

62.   The angle of intersection between x=y2 and x2=y at point (3, -3) is ….. degree.

        a. 45   b. 90

63. If tan-12x + tan-13x = π/4, then x is equal to   c. 180   d. 135

a.   1/   b. 1   c. 1/6   d. 1/3

64. If the line ly + mx - n = 0 is tangent to x2 + y2 = a2, then

        a. n2=a2 (l2 + m2)   b. n=a2 (l2 + m2)   c. n2=a (l2 + m2)

65. If cos(sin-1x)=1/2, the value of x is   d. n2=a2 (l2 + m2)2

        a. - / 4   b. / 4   c. / 2   d. / 3

66.   The value of

    a. 2   b. -2   c. 1   d. 0
67.   The probability of A, B, c is 1/4, 1/5 and 1/6. The probability of that question to be solved is
    a. 1/2
                      b. 1/3   c. 1/30   d. 59/120
  this matrix is

    a. orthogonal   b. triangular   c. symmetric
69. The centre of circle 2x2 + 2y2 - 12x + 4y + 5=0 is   d. vertical
    a. (3, -2)   b. (3, -1)   c. (-3, 2)
70. The sum of n terms of series is 2n2 + 4n. Find its third term.   d. (-3, 1)
    a. 10   b. 8   c. 12
71. For S = t3 - 6t2 - 4t - 12, what is the value of a in time t?   d. 14
    a. 6t-12   b. 6t+12   c. 12
72. Sum of all digits of number when divided by 4 yield remainder 1 is   d. 60
    a. 1020   b. 980   c. 1210   d. 1500
73.   Who is the CNN hero for the year 2015?
a.   Puspa BAsnet   b. Anuradha Koirala   c. Myaggie Doyne   d. Pen Fartig
74.   When was the constitution of Nepal 2072 released?
a.   20 Sept, 2015 b. 19 Sept, 2015   c. 21 Sept, 2015   d. 24 Sept, 2015
75.   Which of the following is knows as Queen of Flowers?
    a. Gladiolus   b. Marigold
76. The study of Female Reproductive organ is called   c. Rose   d. Myanthum
    a. Emology   b. Gynecology   c. Andrology   d. Menstrology
77. Rice do not contain the amino acid
    a. glycine   b. lysine
78. The study of fruits is known as   c. valine   d. phenyl alanine
    a. phenology   b. palynology
79. Photorespiration occurs in   c. pomology   d. frutilogy
    a. C3 plants   b. C4 plants
80. Rouging is associated with   d. C2 plants   d. None
    a. fruit production   b. weed management
    c. cash crop production

        d. seed production

31. a   32. b   33. b   34. a   35. a   36. b   37. b   38. b   39. b   40. c

41. d   42. d   43. a   44. c   45. d   46. a   47. a   48. b   49. a   50. d

51. a   52. c   53. a   54. a   55. a   56. d   57. b   58. b   59. b   60. b

61. c   62. b   63. c   64. a   65. c   66. c   67. a   68. a   69. b   70. d

71. a   72. b   73. c   74. a   75. c   76. b   77. b   78. c   79. a   80. d