1. A certain sum increases by 60% in 6 years at a certain rate of simple interest. What will be the compound interest on an amount of Rs. 12000 after 3 years at the same rate of interest?
   (1) Rs. 2160   (2) Rs. 3120
   (3) Rs. 3972   (4) Rs. 6240

2. Sundarbans is coastal forest of
   (1) Gangetic delta
   (2) Gulf of Mannar
   (3) Kaveri delta
   (4) Godavari delta

3. Some letters are missing in the following letter series and that letters are presented in that order in one of the alternatives. Select the correct alternative :
   _stt_tt_tts_
   (1) tsts   (2) ttst
   (3) sstt   (4) tsst

4. Where is the Wanderers test cricket ground located?
   (1) Colombo
   (2) Melbourne
   (3) Auckland
   (4) Johannesburg

5. Where is the headquarters of Geological Survey of India located?
   (1) Patna   (2) Dehradun
   (3) Kolkata   (4) Agra

   Directions (6–10) : Study the following information carefully and answer the questions given below :
   (i) In a family of six members P, Q, R, S, T and U, there are three males and three females.
   (ii) There are two married couples and two persons are unmarried.
   (iii) Each of them reads different newspapers viz., The Times of India, Indian Express, Hindustan Times, Business Herald, Navbharat Times and The Tribune
   (iv) T, who reads Indian Express, is the mother-in-law of P and P is the wife of R.
   (v) S is the father of U and he does not read The Times of India or The Tribune.
   (vi) Q reads Navbharat Times and she is the sister of U. U reads Hindustan Times.
   (vii) R does not read The Tribune.

6. How many sons does T have ?
   (1) One   (2) Two
   (3) Three   (4) Four

7. How U is related to T ?
   (1) Son
   (2) Daughter
   (3) Brother
   (4) Data inadequate

8. Which of the following is a married couple ?
   (1) QU   (2) TU
   (3) SQ   (4) ST

9. Which of the following newspapers does P read ?
   (1) Business Herald
   (2) The Times of India
   (3) Navbharat Times
   (4) None of these

10. Who among the following does read The Times of India ?
    (1) P
    (2) R
    (3) S
    (4) Data inadequate

11. What will be the next term in the following number series ?
    2   6   14   30   62   ?
    (1) 120   (2) 124
    (3) 126   (4) 128

12. A, B and C start a business in partnership with investments in the ratio $\frac{7}{2} : \frac{4}{3} : \frac{6}{5}$. After 4 months from the start of the business, A increases his investment by 50%. If total profit at the end of the year be Rs. 21600, what will be B's share in the profit?
    (1) Rs. 2100   (2) Rs. 2400
    (3) Rs. 2600   (4) Rs. 4000

13. Which of the following trophies is related to football?
    (1) Mumbai Gold Cup
    (2) Everest Cup
    (3) Merdeka Cup
    (4) BCC Cup

14. The rank of Uma from the top is 8th and 37th from the bottom. How many students are there in the class ?
    (1) 43   (2) 44
    (3) 45   (4) 46

15. Where was the 2014 United Nations Climate Change Conference COP20 or CMP10 held?
    (1) Santiago
    (2) Lima
    (3) Rio de Janeiro
    (4) Bogota

16. Some letters are missing in the following letter series and that letters are presented in that order in one of the alternatives. Select the correct alternative :
    gfe_ig_eii_fei_gf_ii
    (1) eifgi   (2) figie
    (3) ifgie   (4) ifige

17. Which country became the 181st member of Multinational Investment Guarantee Agency (MIGA) in December 2014?

(1) Nepal   (2) China

(3) Bhutan   (4) Laos

18. A is 2 years older than B. B's present age is twice to that of C, If the sum of the ages of A, B and C be 27 years, what is the present age of B?

(1) 7 years   (2) 8 years

(3) 9 years   (4) 10 years

19. The ozone layer in outer atmosphere

(1) Makes radio communication possible by reflecting radio waves

(2) Absorbs ultraviolet rays

(3) Regulates atmospheric temperature

(4) Absorbs cosmic-ray particles

20. The captain's age in 11–member cricket team is 26 years. The wicket keeper is 3 years older than captain. If the ages of these two players are removed, the average age of the remaining players is 1 year less than that of the whole team. What is the average age of whole team?

(1) 23 years

(2) 40 years

(3) 25 years

(4) None of these

21. Three years ago, the average of the age of husband and wife was 27 years, and five years ago, wife and children average age was 20 years. Find the present age of huband.

(1) 35 years

(2) 40 years

(3) 50 years

(4) None of these

22. Where is Arid Zone Research Institute located?

(1) Rajasthan

(2) Gujarat

(3) Madhya Pradesh

(4) Odisha

23. What does 'C' stand for in the abbreviation SAARC?

(1) Conference

(2) Commonwealth

(3) Cooperation

(4) Committee

24. The floor of a rectangular floor 15.18 metre long and 9.2 metre broad is to be paved with square tiles. How many least number of square tiles will be required for it?

(1) 814   (2) 820

(3) 660   (4) 844

25. What will be the next number in the following number series?

1   5   13   25   41   ?

(1) 51   (2) 57

(3) 61   (4) 63

26. A student multiplied a number by $\frac{3}{5}$ instead of $\frac{5}{3}$. What is the percentage of error in this calculation ?

(1) 34%   (2) 44%

(3) 54%   (4) 64%

27. What will be the next number in the following number series? 325, 259, 204, 160, 127, 105, ?

(1) 94   (2) 96

(3) 98   (4) 100

28. What will be the next number in the following number series? 4, 7, 12, 19, 28, ?

(1) 30   (2) 36

(3) 39   (4) 49

29. National Cadet Corps is an organization of

(1) Factory workers

(2) School and college students

(3) Farmers

(4) University teachers

30. Find the missing number.

3, 7, 15, ___, 63, 127

(1) 30   (2) 31

(3) 47   (4) 52

31. Some letters are missing in the following letter series and that letters are presented in that order in one of the alternatives. Select the correct alternative :

__a__b__abaa__bab__abb

(1) aaabb   (2) ababb

(3) babab   (4) babba

32. What will be the difference between the compound interest accrued on a sum of Rs. 5000 at 4% per annum and half yearly?

(1) Rs. 2.04   (2) Rs. 3.06

(3) Rs. 4.80   (4) Rs. 8.30

33. Name the cricketer who lost his life in November 2014 due to fatal injury on the play ground?

(1) Merv Hughes

(2) Phillip Hughes

(3) Kim Hughes

(4) None of these

34. Boat race is a feature of which festival?

(1) Onam

(2) Pongal

(3) Rongali Bihu

(4) Navaratri

35. The diagonal of a rectangle is $\sqrt{41}$ cm and its area is 20 sq. cm. The perimeter of the rectangle is

(1) 9 cm.   (2) 18 cm.

(3) 20 cm.   (4) 41 cm.

36. Two numbers A and B are such that sum of 5% of number A and 4% of number B is two–third of the sum of 6% of number A and 8% of number B. Find the ratio between the numbers A and B.

(1) 2 : 3   (2) 1 : 1

(3) 3 : 4   (4) 4 : 3

37. A man walks along the diagonal of a square plot. What per cent did he save by not walking along the sides of square plot?

(1) 20   (2) 24

(3) 30   (4) 33

38. Some letters are missing in the following letter series and that letters are presented in that order in one of the alternatives. Select the correct alternative :

_tu_rt_s_ _ usrtu_

(1) rtusru   (2) rsutrr

(3) rsurtr   (4) rsurts

39. The average monthly income of P and Q is Rs. 5050. The average monthly income of Q and R is Rs. 6250 and that of P and R is Rs. 5200. What is the monthly income of P?

(1) Rs. 3500   (2) Rs. 4000

(3) Rs. 4050   (4) Rs. 5000

40. Father is 24 years elder than his son. After two years his age will be twice the age of his son. What is the present age of his son?

(1) 14 years   (2) 18 years

(3) 20 years   (4) 22 years

41. I go towards north and turns to the left. After walking some distance I turn to the left and then to the right. Again I turn to the left and again I turn to the left. Now I am in which direction ?

(1) North   (2) South

(3) East   (4) West

42. Some letters are missing in the following letter series and that letters are presented in that order in one of the alternatives. Select the correct alternative :

a_bbc_aab_cca_bbcc

(1) bacb   (2) acba

(3) abba   (4) caba

43. Find the missing number.

4, 10, ___, 82, 244, 730

(1) 24   (2) 28

(3) 77   (4) 218

44. If the code of CHAIR is FKDLU, then code of RAID would be :

(1) ULGD   (2) ULKG

(3) ULDG   (4) UDLG

45. Select the missing term of the series from among the given alternatives :

AD, EH, IL, ___, QT

(1) LM   (2) MN

(3) MP   (4) OM

46. The longest dam of India is:

(1) Hirakud

(2) Kosi

(3) Bhakra

(4) Nagarjunsagar

47. The respective ratio of the present ages of Sameer and Anand is 5 : 4. Three years hence the ratio between their ages will be 11 : 9. The present age of Anand is

(1) 24 years

(2) 27 years

(3) 40 years

(4) Cannot be determined

48. A, B and C together contribute a sum of Rs. 50000 for a business. A contributes Rs. 4000 more than that of B and B contributes Rs. 5000 more than that of C. What will A receive in a total annual profit of Rs. 35000?

(1) Rs. 8400   (2) Rs. 11,900

(3) Rs. 13,600   (4) Rs. 14,700

49. What is the meaning of Midnight Sun?

(1) Rising sun

(2) Twilight

(3) Extremely shining moon

(4) Sunlight for longer duration in polar region

50. Mudumalai Sanctuary is famous for

(1) Bison   (2) Bird

(3) Elephant   (4) Tiger

51. Cancer cells receive energy from

(1) Fatty acid oxidation

(2) Glycolysis

(3) Oxidative phosphorylation

(4) Mitochondria

52. The cause of Hepatitis B is:

(1) RNA virus

(2) DNA virus

(3) Mycoplasma

(4) Mitochondria

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53. Which of the following is not a strong acid?

(1) HNO_3

(2) CH_3COOH

(3) H_2SO_4

(4) HCl

54. Chlamydia leads to

(1) Infertility

(2) Pneunothorax

(3) Congenital disorder in the fetus

(4) None of these

55. Which of the following correctly defines neoplasm?

(1) Cancer

(2) Carcinoma

(3) Tumour

(4) Autonomous new growth

56. Which of the following compounds is not an antioxidant?

(1) SO_2 (2) H_3PO_2

(3) $KMNO_4$ (4) N_2

57. Which of the following are the four basic tissues found in body?

(1) Epithelial, Connective, Muscular and Nervous tissue

(2) Lose, Dense Connective, Dense Regular and Dense Irregular

(3) Bone, Cartilage, Glands and Adipose tissue

(4) Muscle, Cartilage, Glandular and Connective tissue

58. Which of the following is used to balance the constipating effect of calcium in the manufacture of antacid?

(1) Aluminium antacid

(2) Magnesium antacid

(3) Sodium antacid

(4) Alginic acid

59. Which agent is mostly used for the fixation of Pap smear?

(1) Ethyl alcohol

(2) Acetone

(3) Formalin

(4) Xylol

60. Which of the following is involved in oral cavity function?
    (1) Mechanical processing
    (2) Lubrication
    (3) Food analysis
    (4) None of these

61. The common term for heart inflammation is
    (1) Angina pectoris
    (2) Coronary thrombosis
    (3) Carditis
    (4) Bradycardia

62. The main function of carbohydrate is
    (1) To meet the energy needs of body
    (2) To meet formative needs
    (3) To meet protein needs
    (4) To meet enzyme needs

63. The example of dietary protein deficiency is:
    (1) Protein intolerance
    (2) Phenylketonuria
    (3) Cirrhosis
    (4) Kwashiorkor

64. PC-XT is the abbreviated form of
    (1) Personal Computer External Technology
    (2) Personal Computer Extended Technology
    (3) Personal Computer Embedded Technology
    (4) Personal Computer Expended Technology

65. After booting process which file executes automatically?
    (1) config.sys
    (2) command.com
    (3) autoexec.bat
    (4) io.sys

66. Glucose is an example of
    (1) Ketose   (2) Aldose
    (3) Pentose   (4) Tetrose

67. Buboes is seen in
    (1) Plague   (2) Lymphoma
    (3) Filariasis (4) Malaria

68. Which of the following structures play maximum role in cellular function?
    (1) Golgi apparatus
    (2) Nucleus
    (3) Mitochondria
    (4) Ribosome

69. Any medical store will be called an ideal Medical Store if its pharmaceutical inventory
    (1) Is in excess
    (2) Is insufficient
    (3) Is too less
    (4) Is in between excess and insufficient

70. The common cause of fat embolism is
    (1) Trauma to bones
    (2) Cutaneous burns
    (3) Alcoholic fatty liver
    (4) None of these

71. Which nerve cell carries impulses from central nervous system to periphery?
    (1) Celia   (2) Afferent
    (3) Dendrite   (4) Efferent

72. The Unix operating system is specifically used for
    (1) Desktop computers
    (2) Laptop computers
    (3) Supercomputers
    (4) All of the options given above

73. From where do macrophages originate?
    (1) Monocytes
    (2) Tissue cells
    (3) Giant cells
    (4) Lymphocytes

74. All of the following vascular changes are observed in acute inflammation, except:
    (1) Vasodilation
    (2) Stasis of blood
    (3) Increased vascular permeability
    (4) Decreased hydrostatic pressure

75. Which of the following is a sedative?
    (1) Aloe
    (2) Digitalis
    (3) Vinca
    (4) Ashwagandha

76. Gas gangrene is caused by which organism?
    (1) Clostridium tetani
    (2) Clostridium perfringens
    (3) E. Coli
    (4) None of these

77. Liebermann–Burchard reaction is used in
    (1) Wax test   (2) Oil test
    (3) Fat test   (4) Sterol test

78. The increase in size of organ due to increase in size of individual cells is called
    (1) Hyperplasia
    (2) Dysplasia
    (3) Hypertrophy
    (4) Métaplasia

79. Gangrene is the death of a part accompanied by:
    (1) Suppuration
    (2) Putrefaction
    (3) Calcification
    (4) Fibrosis

80. As which form of chemistry has biochemistry been defined?
    (1) Organism System Chemistry
    (2) Living System Chemistry
    (3) Unorganized System Chemistry
    (4) Inorganic Compound Chemistry

81. Which of the following devices is specially designed to forward packets to specific ports based on the packet's address?
    (1) Specialty hub
    (2) Switching hub
    (3) Port hub
    (4) Filtering hub

82. Which of the following is not an intracellular organism?
    (1) Virus
    (2) Chlamydia
    (3) Mycoplasma
    (4) Rickettsia

83. What is the name of the process wherein the food stuff (such as milk) is heated at very high temperature and then quickly cooled?
   (1) Louisization
   (2) Pasteurization
   (3) Inoculation
   (4) Vaccination

84. Vitamin K deficiency is seen in
   (1) Hepatic jaundice
   (2) Prehepatic jaundice
   (3) Obstructive jaundice
   (4) None of these

85. ESR begins to rise when there is an increase in
   (1) Leucocytes
   (2) Protein
   (3) Complements
   (4) Hageman factor

86. For blood transfusion in a new born baby suffering from Haemolytic disease
   (1) Fresh blood should be used
   (2) Only plasma should be used
   (3) 7 days old blood can be used
   (4) None of these can be used

87. The general test for all types of carbohydrates is:
   (1) Benedict's test
   (2) Molisch test
   (3) Tollen's test
   (4) Barfoed's test

88. The confirmation of Myelofribrosis is done by
   (1) Peripheral smear
   (2) Leucocytes alkaline phosphatease in neutrophils
   (3) Bone marrow biopsy
   (4) None of these

89. The primary defect which leads to sickle cell anemia is
   (1) Abnormality in Porphyrin of hemoglobin
   (2) Glutamate substitution by Valine in ß chain of HbA
   (3) Missense mutation in ß chain of HbA
   (4) Valine substitution by Glutamate in a chain of HbA

90. Which of the following is not a main function of stomach?
   (1) Absorption of water and nutrients
   (2) Bulk storage
   (3) Chemical digestion
   (4) Mechanical breakdown

91. An example of aromatic amino acid is
   (1) Tryosine   (2) Leucine
   (3) Methionine
   (4) Glutamine

92. Necrotic granuloma is especially found in
   (1) Amoeboma
   (2) Leprosy
   (3) Tuberculosis
   (4) Gumma

93. Myxosarcoma originates from
   (1) Skin and soft tissues
   (2) Fibrous tissue
   (3) Cells and connective tissues
   (4) None of these

94. Before expulsion from the body, the increasing dehydration of organic waste and undigested material is known as
   (1) Compaction
   (2) Excretion
   (3) Absorption
   (4) Injection

95. All logical and mathematical calculations are carried out in which part of computer?
   (1) Central Processing Unit
   (2) Motherboard
   (3) Memory
   (4) Central Control Unit

96. The condition in which coronary circulation gets obstructed and cells of cardiac muscle die due to lack of oxygen is known as
   (1) Myocardial infarction
   (2) Coronary thrombosis
   (3) Angina pectoris
   (4) Tachycardia

97. During cell injury, the cell organelle that is most affected is
   (1) Mitochondria
   (2) Lysosomes
   (3) Perioxisomes
   (4) Microtubules

98. Which of the following drugs is used as cardiotonic?
   (1) Senna   (2) Rhubarb
   (3) Aloe   (4) Digitalis

99. Which of the following is a water-soluble vitamin?
   (1) Vitamin A
   (2) Vitamin C
   (3) Vitamin E
   (4) Vitamin K

100. By which structure is fetus protected?
   (1) Decidua
   (2) Amniotic fluid
   (3) Corpus luteum
   (4) Yolk sac