Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Which of the following is divisible by both 6 and 15?
   - (A) 1215
   - (B) 1720
   - (C) 2160
   - (D) 3260

2. H.C.F. of 24, 48 and 60 is :
   - (A) 6
   - (B) 8
   - (C) 12
   - (D) 24

3. If the surface area and volume of sphere are in the ratio 1:2, what is the radius of the sphere?
   - (A) 2
   - (B) 3
   - (C) 5
   - (D) 6

4. A merchant sells two dolls of price respectively Rs. 100 and Rs. 150 with a profit of 30% on first and a loss of 30% on second. What is his net profit/loss?
   - (A) 6% loss
   - (B) 6% gain
   - (C) 15% loss
   - (D) 15% gain

5. 1ˢᵗ January 2013 is Tuesday. How many Tuesdays are there in 2013?
   - (A) 51
   - (B) 52
   - (C) 53
   - (D) 54

6. Starting from a place P, a man travels 4 km towards North then turns towards right and travels 5 km. After that he turns towards right and travels 8 km. What is his current position with respect to P?
   - (A) 4 km towards East
   - (B) 6 km towards South West
   - (C) 4 km towards North East
   - (D) 6 km towards South East

7. Find the next term in the sequence : 4, 9, 25, 49, —— :
   - (A) 81
   - (B) 121
   - (C) 138
   - (D) 1024

8. Find the odd one out :
   - (A) 8425
   - (B) 6325
   - (C) 7225
   - (D) 9225

B

3

[P.T.O.]
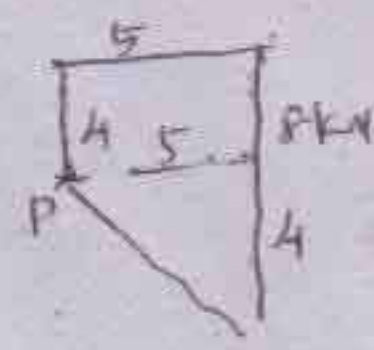
9. Find the next term in the sequence : B, C, E, G, K, —— :

$2 \ 3 \ 5 \ 7 \ 11 \ 13$

    (A) L   (B) M

    (C) N   (D) O

10. In a certain coding APPLE is coded as 5121616O1. Then MANGO is coded as :

    (A) 1507140113   (B) 1301140715

    (C) 15714113   (D) 1570141013

11. $\left(\sqrt{8} + \sqrt{2}\right)^2 =$

    $8 + 2 + 2\sqrt{16}$

    (A) 18   (B) 16

    (C) $18\sqrt{2}$ (D) $16\sqrt{2}$

12. If 14th April 2013 is Sunday, 20th September 2013 is :

    (A) Sunday   (B) Tuesday

    (C) Wednesday   (D) Friday

13. Man is related to Brain. In a similar way computer is related to :

    (A) Monitor   (B) RAM

    (C) UPS   (D) CPU

14. Kavya is elder than Veena, Anu is younger than Kuttan and Veena is elder than Kuttan. Who is eldest?

    K . Ve

    (A) Anu   (B) Kuttan

    (C) Kavya   (D) Veena

15. If we arrange the numbers 1, 2, 6, 3, 5, 2, 4, 9 in ascending order, how many numbers keeps the same position?

    1 2 2 3 4 5 6 9

    (A) 1   (B) 2

    (C) 3   (D) 4

16. Jafer can complete a work in 6 days. Shyam can complete the same work in 3 days. In how many days Jafer and Shyam together can complete the work :

    $\frac{1}{6} + \frac{1}{3} = \frac{3+6}{18} = \frac{9}{18} = \frac{1}{2}$

    (A) 1   (B) 2

    (C) 4   (D) 5

17. A train of length 100 m runs at a speed of 120 km/h from north to south. Another train of length 150 m travels with a speed of 80 km from South to North. What is the time required to cross each other?

    (A) 3.6   (B) 4 sec

    (C) 4.5 sec   (D) 5.2 sec

18. A metallic right circular cone of volume 36π is melt into a sphere. What is the surface area of that sphere?

(A) $40\sqrt{3}\,\pi$

(B) 30π

(C) 46π

(D) 36π

19. 4 years ago Ramu's age is the square root of his father's age. Now the age of Ramu and his father are in the ratio 1:4. Then what is Ramu's age?

(A) 8

(B) 10

(C) 12

(D) 40

20. What is the smallest number divisible by 8, 9 and 12?

(A) 72

(B) 48

(C) 36

(D) 24

21. In an electrochemical cell, there is the conversion of :

(A) Electrical energy into chemical energy

(B) Chemical energy into electrical energy

(C) Chemical energy into heat energy

(D) Mechanical energy into heat energy

22. Wood charcoal is used in gas masks because :

(A) it is poisonous

(B) it liquifies gas

(C) it is porous

(D) it adsorbs gases

23. The disease caused by a protozoan :

(A) AIDS

(B) Malaria

(C) Chicken guniya

(D) Typhoid

24. A protein solution on warming with concentrated nitric acid may turn yellow called :

(A) Xanthoproteic test

(B) Biuret test

(C) Millions test

(D) Hopkins cole test

25. The same group elements are characterised by :

(A) Ionization potential

(B) Electronegativity

(C) Ionization energy

(D) No. of electrons in the outermost shell

B

5

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[P.T.O.]

26. Acetyl salicyclic acid is known as :
   (A) Oil of wintergreen
   (B) Salol
   (C) Aspirin
   (D) Picric acid

27. The no. of milligrams of potassium hydroxide required to saponify one gram of a fat or oil :
   (A) Esterification
   (B) Saponification
   (C) Hydrogenation
   (D) Cleansing action

28. Which are essential constituents of all atoms?
   (A) Electrons
   (B) Protons
   (C) Neutrons
   (D) Positrons

29. The distance of stars from earth is expressed generally interms of :
   (A) metre
   (B) kilometer
   (C) astronomical unit
   (D) light year

30. High boiling point of water is due to :
   (A) Weak dissociation of water molecules
   (B) High dissociation of water molecules
   (C) Hydrogen bonding amongst water molecules
   (D) Vander Waals forces of attraction amongst the molecule

31. Supreme court granted the right to negative voting on :
   (A) 27th September 2013
   (B) 27th October 2013
   (C) 27th August 2013
   (D) 27th November 2013

32. Capital of Costa Rica :
   (A) Kinshasa
   (B) Nicosia
   (C) Zagreb
   (D) San Jose

33. Who among the following was decorated with bravery award by world peace and prosperity foundation?
   (A) Barack Obama
   (B) Malala Yousafzai
   (C) Ban Ki-moon
   (D) Pope Francis I

34. Which country is joined as the 28th member state of European Union on 1st July 2013?
   (A) Croatia
   (B) Cyprus
   (C) Romania
   (D) Honduras

35. Name the country which win the ICC Women's World Cup?

    (A) France   (B) Italy

    (C) Australia   (D) Germany

36. The India independence bill was passed by the British Parliament on :

    (A) 1st August 1947   (B) 1st May 1947

    (C) 1st June 1947   (D) 1st July 1947

37. The percentage of persons below poverty line in India is :

    (A) 22%   (B) 21%

    (C) 23%   (D) 24%

38. Treaty signed in 1963 which banned nuclear tests in the atmosphere, underwater and in space, but not underground?

    (A) PTBT   (B) NTBT

    (C) NNPT   (D) CTBT

39. What is the full form of POTA?

    (A) Protection Of Trade Association

    (B) Prevention Of Temporal Allotment

    (C) Prevention Of Terrorism Act

    (D) Permanent Association Of Traders

40. Name the country which launched its first pilot carbon trading scheme?

    (A) Japan   (B) Korea

    (C) Singapore   (D) China

41. The first National park in India was :

    (A) Bandipur   (B) Kasiranga

    (C) Jimcorbet   (D) Periyar

42. The first Deputy Chairman of the Planning Commission of India :

    (A) Gulzarilal Nanda   (B) Asok Mehta

    (C) C.M. Trivedi   (D) P. Sivsankar

43. Who was the Governor General of India during the time of the Revolt of 1857?

    (A) Lord Dalhousie   (B) Lord Mayo

    (C) Lord Hardings   (D) Lord Canning

44. Who was the founder of Aligarh Movement?
    (A) Ali Brothers
    (B) Gulam Nabi Azad
    (C) Sir Syed Ahammed Khan
    (D) Moulavi Ahammadulla

45. The newspaper published by Mrs. Annie Besant :
    (A) Mahratta
    (B) Common weal
    (C) Bangabas
    (D) Kesari

46. The leader of salt Satyagraha in Kerala was :
    (A) K. Kelappan
    (B) Ramakrishna Pillai
    (C) T.K. Madhavan
    (D) Vakkom Abdul Khader Moulavi

47. The Lahore session of the congress was held in the year :
    (A) 1928
    (B) 1930
    (C) 1929
    (D) 1931

48. 'Kasi' the holy place was situated on the banks of the river :
    (A) Yamuna
    (B) Ganges
    (C) Brahmaputra
    (D) Indus

49. Name the mountain pass which provide access from Wayanad in Kerala to Mysore in Karnataka :
    (A) Thamarasseri pass
    (B) Palghat pass
    (C) Perambadi pass
    (D) Bodinayakkannur pass

50. 'Konark' the famous sun temple is situated in which state?
    (A) Maharashtra
    (B) Rajasthan
    (C) Madhya Pradesh
    (D) Odisha

51. The author of Adi Bhasha :
    (A) Sivayogi
    (B) Chattampi Swami
    (C) Ayyankali
    (D) Karuppan

52. The first of the temples consecrated by Sri Narayana Guru :
    (A) Sivagiri
    (B) Aruvippuram
    (C) Aluva
    (D) Varkala

53. In which year was Saturyanaparipalana Sangam founded?
    (A) 1806
    (B) 1906
    (C) 1907
    (D) 1905

54. Who was the founder of Athmavidyasagam?
    (A) Chattampi Swami   (B) Vagbhatananda
    (C) Palpu   (D) Sivayogi

55. Who was the founder of the periodical Swadeshabhimani?
    (A) Vakkam Moulavi   (B) Ramakrishnapillai
    (C) Dr. Palpu   (D) Kumaranasan

56. Which is the organization founded by Brahmananda Swami Sivayogi?
    (A) Ananda Mahasabha   (B) Vidyaposhini
    (C) Athmavidyasangam   (D) S.N.D.P.

57. Mention the drama written by V.T. Bhattathiripad :
    (A) Kanneerum Kinavum   (B) Pattabacki
    (C) Saraswathi Vijayam   (D) Kalahinidamanakm

58. Bharata puzha originates from the :
    (A) Anamala   (B) Azhimala
    (C) Ponnmudi   (D) Agastyamuzhi

59. Ezhimala situates to the north of :
    (A) Kollam   (B) Calicut
    (C) Kannur   (D) Kasaragod

60. The Kerala-Tamilnadu relations developed through the :
    (A) Tamarassery passes   (B) Palakkadan passes
    (C) Cherampady passes   (D) Periya passes

61. The system of 'Ombudsman' was first introduced in :
    (A) Sweden   (B) India
    (C) USA   (D) Switzerland

62. The National Commission for women in India was formed in the year :
    (A) 1975   (B) 1980
    (C) 1985   (D) 1992

63. Who appoint the Chairman of the State Public Service Commission?
    (A) President   (B) Prime Minister
    (C) Chief Minister   (D) Governor

64. Which of the following types of rights have been described as First Generation Rights?

(A) Social and Economic Rights

(B) Civil and Political Rights

(C) Natural Rights

(D) Cultural Rights

65. Which part of the Indian Constitution deals with Directive Principles of State Policy?

(A) Part II

(B) Part III

(C) Part IV

(D) Part VI

66. Who was the first Chairman of the NHRC?

(A) Justice K.G. Balakrishnan

(B) Justice V.S. Malimath

(C) Justice Ranganath Misra

(D) Justice A.S. Anand

67. The Right to Information Act was passed in India in the year :

(A) 2005

(B) 2002

(C) 2008

(D) 2010

68. Which Article of the Indian Constitution is related to Right to Education?

(A) Article 51A

(B) Article 45

(C) Article 21A

(D) Article 19

69. Who was the President of the Indian Constituent Assembly?

(A) Dr. B.R. Ambedkar

(B) Jawaharlal Nehru

(C) K.M. Munshi

(D) Dr. Rajendra Prasad

70. The members of the Rajya Sabha are elected by the :

(A) People Directly

(B) Members of State Legislative Assemblies

(C) Members of Local Bodies

(D) Members of State Legislative Councils

71. Correct the sentence :

I would pay up if I was you.

(A) I would pay up if I were you

(B) I would pay up if I am you

(C) I would paid up if I were you

(D) I would pay up if I are you

72. Fill in the space using the correct article :

This is ——————— book I was searching for.

    (A) a   (B) an

    (C) the   (D) none

73. Fill in the space using the correct form of the adjective :

He is the ——————— person I have ever met.

    (A) smart   (B) smarter

    (C) smartest   (D) none

74. Convert into passive voice :

They are rebuilding the school.

    (A) The school is rebuilt   (B) The school is being rebuilt

    (C) The school was rebuilt   (D) The school was being rebuilt

75. Choose the correct option :

The police ——————— questioning the suspects.

    (A) is   (B) are

    (C) has   (D) have

76. The antonym of "acquit" is :

    (A) convict   (B) evict

    (C) depict   (D) debit

77. A wide road with trees on either side is called :

    (A) street   (B) alley

    (C) lane   (D) avenue

78. Choose the correct option for the following :

A "Dark Horse" is :

    (A) An evil character

    (B) A dark coloured horse

    (C) A person whose abilities are hidden or unknown

    (D) A horse likely to win a race

79. Fill in the space using the correct preposition :

I was born ——————— Mumbai.

(A) at   (B) in

(C) on   (D) from

80. Convert the sentence into indirect speech :

"You may leave the room", said the principal.

(A) The principal said I might leave the room

(B) The principal said I may leave the room

(C) The principal says I might leave the room

(D) The principal said I could leave the room

81. Which of the following schemes has as its objective the integrated development of selected SC majority villages?

(A) Valmiki Ambedkar Awaas Yojana (VAMBAY)

(B) Indira Awaas Yojana (IAY)

(C) Pradhan Mantri Adarsh Gram Yojana (PMAGY)

(D) Sampoorna Grameen Rozgar Yojana (SGRY)

82. The Chairman of the Governing Body of Kudumbashree Mission is :

(A) Minister for LSG   (B) Principal Secretary, LSGD

(C) Director of Panchayats   (D) Commissioner for Rural Development

83. Which of the following is a Scheme for providing self-employment to educated unemployed youth?

(A) Prime Minister's Rozgar Yojana (PMRY)

(B) Indira Awaas Yojana (IAY)

(C) National Food for Work Programme (NFWP)

(D) Samagra Awaas Yojana (SAY)

84. An IAY [Indira Awaas Yojana] house shall not be alienated for a period of :

(A) 10 years   (B) 15 years

(C) 20 years   (D) 25 years

85. Who among the following is entitled as of right to an 'Antyodaya card'?

    (A) A person belonging to BPL social category

    (B) A person belonging to a primitive tribe

    (C) A person above the age of 65 years

    (D) All the above

86. The Nodal Officer at the district level for the implementation of the National Food for Work Programme is :

    (A) The District Judge   (B) The President, District Panchayat

    (C) The Anganwadi Supervisor   (D) The District Collector

87. Which of the following Schemes aims to provide food security for all through Public Distribution System?

    (A) Antyodaya Anna Yojana (AAY)

    (B) Indira Awaas Yojana (IAY)

    (C) Balika Samriddhi Yojana (BSY)

    (D) Valmiki Ambedkar Awaas Yojana (VAMBAY)

88. The limit of micro-credit to a beneficiary under the Mahila Samridhi Yojana Scheme is :

    (A) Rs. 10,000   (B) Rs. 15,000

    (C) Rs. 20,000   (D) Rs. 25,000

89. Allotment of an Indira Awaas Yojana (IAY) house :

    (A) Shall be jointly in the name of husband and wife except in the case of a widow/unmarried/separated person

    (B) May be solely in the name of the woman

    (C) Both (A) and (B)

    (D) None of the above

90. Services under the ICDS Programme are rendered through :

    (A) Anganwadi Centers   (B) Primary Health Centers

    (C) Police Stations   (D) None of the above

91. Binary number of the decimal number 15 is :

    (A) 1010   (B) 1111

    (C) 1101   (D) 1001

92. 1's complement of the 1011 :
    (A) 1100
    (B) 0011
    (C) 0100
    (D) 0110

93. In a client/server computer network, the user's computer is usually called :
    (A) Client
    (B) Network
    (C) Server
    (D) Website

94. The extension of .com, .edu, .org, .net etc are usually called :
    (A) Network
    (B) IP address
    (C) Domain name
    (D) Mail id

95. FTP stands for :
    (A) First Transfer Protocol
    (B) File Text Protocol
    (C) File Transport Protocol
    (D) File Transfer Protocol

96. Which of the following is a cyber crime?
    (A) Hacking
    (B) Trojan
    (C) Email spoofing
    (D) None of the above

97. What is a firewall protection?
    (A) Spam messages
    (B) Most of the viruses
    (C) Security
    (D) Malicious worms

98. Which computer language is used for Artificial Intelligence among the following?
    (A) FORTRAN
    (B) C
    (C) PROLOG
    (D) COBOL

99. Who invented the high level programming language C?
    (A) Dennis M. Ritchie
    (B) Robert E. Kahn
    (C) Donald Ritchie
    (D) James Gosling

100. Expansion of UNIVAC is :
    (A) Universal Vacuum Computer
    (B) Universal Automatic Computer
    (C) Universal Integrated Vacuum Computer
    (D) United Vacuum Computer