

40/2014

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. It is being given that 2^{32} is completely divisible by a whole number. Which of the following numbers is completely divisible by this number?
(A) $2^{16} + 1$ (B) $2^{16} - 1$
(C) 7×2^{23} (D) $2^{96} + 1$
2. The greatest number of four digit which is divisible by 15, 25, 40 and 75 is :
(A) 9000 (B) 9400
(C) 9600 (D) 9800
3. Two bus tickets from city A to B and three tickets from city A to C costs Rs. 90 but three tickets from city A to B and two tickets from city A to C costs Rs. 85. What are the fares for cities B and C from A?
(A) Rs. 10, Rs. 20 (B) Rs. 15, Rs. 20
(C) Rs. 15, Rs. 14 (D) Rs. 20, Rs. 10
4. 14, 28, 20, 40, 32, 64, ———. What number should come next?
(A) 52 (B) 128
(C) 96 (D) 56
5. A woman says "if you reverse my own age the figure represents my husbands age, he is ofcourse senior to me and the difference between our ages is one-eleventh of their sum". The woman's age is :
(A) 24 years (B) 34 years
(C) 45 years (D) 35 years
6. A waiter's salary consists of his salary and tips. During one week his tips were $\frac{5}{4}$ of his salary. What fraction of his income came from tips?
(A) $\frac{4}{9}$ (B) $\frac{5}{4}$
(C) $\frac{5}{8}$ (D) $\frac{5}{9}$
7. A man complete a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km :
(A) 220 km (B) 224 km
(C) 230 km (D) 234 km

8. A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days B had to leave and A alone completed the remaining work. How many days more will A take to finish the work?
- (A) 10 (B) 8
(C) 12 (D) 15
9. The length of the bridge, which a train 130 meters long and travelling at 45 km/hr can cross in 30 seconds is :
- (A) 200 (B) 225
(C) 245 (D) 250
10. If one third of one fourth of a number is 15, then four tenth of that number is :
- (A) 72 (B) 70
(C) 60 (D) 62
11. The angle between the minute hand and the hour hand of a clock when the time 4.20 is :
- (A) 0° (B) 10°
(C) 5° (D) 20°
12. The curved surface area of a cylindrical pillar is 264 m^2 and its volume is 924 m^3 . Find the ratio of its diameter to its height?
- (A) 3:7 (B) 7:6
(C) 6:7 (D) 7:3
13. Today is Monday. After 61 days it will be :
- (A) Wednesday (B) Saturday
(C) Tuesday (D) Thursday
14. Find odd man out :
- 8, 27, 64, 100, 125, 216, 343
- (A) 125 (B) 27
(C) 100 (D) 343
15. The following words have a certain relation to each other. Select the pair which has the relationship
- Distance : mile :
- (A) liquid: litre (B) bushel: corn
(C) weight: scale (D) fame: television

16. Choose the word which best express the meaning of given word?

Infrequent :

(A) never

(B) usual

(C) rare

(D) sometimes

17. Choose the word which is the exact opposite of the given word?

Confess :

(A) deny

(B) refuse

(C) contest

(D) contend

18. Siya runs faster than Jiya. Lily runs faster than Siya. Jiya runs faster than lily. If the first two statements are true, the third statement is :

(A) true

(B) false

(C) both true and false

(D) uncertain

19. Kiran walks 5 km towards east and then turns left and walks 6 km again he turns right and walks 9 km finally he turns to his right and walk 6 km. How far is he from the starting point?

(A) 26 km

(B) 21 km

(C) 14 km

(D) 9 km

20. If the 20% of $a = b$, then $b\%$ of 20 is same as :

(A) 4% of a

(B) 5% of a

(C) 20% of a

(D) none of these

21. Government of India recently declared an animal as National aquatic animal, for protecting aquatic life. Identify the animal :

(A) Whale

(B) Crocodile

(C) River Dolphin

(D) Indian Mackerel

22. How many genes are present in the human genome?

(A) 1,00,000

(B) 30,000

(C) 50,000

(D) 10,000

23. Joule/second is the unit of :

(A) Work

(B) Power

(C) Energy

(D) Force

24. Which country performed the world's first self regulating fully artificial heart transplantation in December 2013?

(A) France

(B) Germany

(C) China

(D) USA

25. Find out the odd one :
(A) Zoological park (B) Botanical Garden
(C) Seed Bank (D) National Park
26. Who invented electric battery?
(A) Thomas Alva Edison (B) Isaac Newton
(C) Alessandro Volta (D) Michael Faraday
27. Which among the following is not a monosaccharide?
(A) Lactose (B) Glucose
(C) Fructose (D) Galactose
28. Wind glasses of vehicles are made by :
(A) Fibre Glass (B) Borosilicate Glass
(C) Flint Glass (D) Safety Glass
29. Fuel with highest calorific value is :
(A) Methane (B) Biogas
(C) Hydrogen (D) Petrol
30. Lens used to rectify farsightedness :
(A) Concave (B) Convex
(C) Cylindrical (D) Biconcave
31. The first ISO certified police station in Kerala :
(A) Thiruvananthapuram (B) Thrissur
(C) Ernakulam (D) Kozhikkode
32. In which year Kuriakose Elias Chavara died?
(A) 1871 (B) 1873
(C) 1874 (D) 1881
33. The season of retreating monsoon :
(A) June-September (B) December-February
(C) October-November (D) March-May
34. In which year India became a member of ADB?
(A) 1991 (B) 1966
(C) 1986 (D) 1996

35. The first woman Keralite to become a member of both Lok Sabha and Rajya Sabha :
(A) Ammu Swaminathan (B) Akkamma Cheriyan
(C) Annie Mascarene (D) Suseela Gopalan
36. The author of the book 'Swaraj' :
(A) Thushar Gandhi (B) Aravind kejriwal
(C) Bal Thackaray (D) Narendra Modi
37. 'Kuruva Island' is situated in :
(A) Kabani (B) Bhavani
(C) Pambar (D) Chaliyar
38. The state which has lowest sex ratio :
(A) Bihar (B) Orissa
(C) Arunachal Pradesh (D) Tripura
39. The founder of 'sidhashramam' :
(A) Sree Narayana Guru (B) Vagbhatananda
(C) Ayya Vaikundar (D) Brahmananda Sivayogi
40. Who proclaimed "Go back to Gita"?
(A) Dayananda Saraswathi (B) Swami Vivekanandan
(C) Gandhiji (D) Sree Ramakrishna Paramahamsan
41. Which country hosts World Men Hockey Tournament in 2018?
(A) Australia (B) Kuwait
(C) India (D) Newzealand
42. The social reformer who is also known as 'Pulayan Mathayi' :
(A) Kumara Guru (B) Sahodaran Ayyappan
(C) Pandit Karuppan (D) Dr. Palpu
43. The river flowing between vindya and Satpura Ranges :
(A) Brahmaputra (B) Mahanadi
(C) Krishna (D) Narmada
44. The first film released through internet :
(A) Vivah (B) Munnabai MBBS
(C) Dhoom (D) Sholay

45. 'In the Line of Fire' is the autobiography of :
(A) Ariel Sharon (B) Saddam Hussain
(C) Parvez Mushraf (D) Vladimir Putin
46. The World Environment Day is :
(A) May 5 (B) June 22
(C) July 10 (D) June 5
47. Hari Prasad Chorasya is famous in which field :
(A) Tabla (B) Flute
(C) Guitar (D) Violin
48. Which country shares the shortest international boundary with India?
(A) Myanmar (B) Nepal
(C) Bangladesh (D) Afghanistan
49. Soil which predominates in sundarban Area :
(A) Alluvial soil (B) Red soil
(C) Litterate soil (D) Black soil
50. The first aircraft carrier of Indian Navy :
(A) INS Vikrant (B) INS Tharangini
(C) INS Chakra (D) INS Virat
51. 'JalMahal' situated in :
(A) Jodhpur (B) Udhapur
(C) Jaipur (D) Raipur
52. Noutanki is the dance form of which Indian state :
(A) Manipur (B) Uttar Pradesh
(C) Gujarath (D) Punjab
53. Rajiv Gandhi Indian Institute of Management is in :
(A) New Delhi (B) Dehradun
(C) Shillong (D) Hyderabad
54. Where was the 2010 winter Olympics held?
(A) USA (B) Switzerland
(C) Italy (D) Canada

55. Who established Bharathiya Vidya Bhavan?
(A) P. Mithra (B) Lala hardayal
(C) K.M. Munshi (D) Athma Ram Pandurang
56. World Teachers Day is celebrated on :
(A) September 5 (B) October 5
(C) September 20 (D) November 5
57. Who won the world Chess Championship 2013?
(A) Magnus Carlsen (B) Vladimir Dyokovich
(C) Viswanathan Anand (D) P. Harikrishnan
58. Indian Prime Minister who established National Dairy Development Board.
(A) Jawaharlal Nehru (B) Narasimha Rao
(C) Morarji Desai (D) Indira Gandhi
59. The first cyber forensic laboratory in India.
(A) Maharashtra (B) Tripura
(C) Andra Pradesh (D) Kerala
60. Who was the first Indian woman to receive Magsaysay award?
(A) Indira Gandhi (B) Captain Lakshmi Sehgal
(C) Vandana Shiva (D) Kiran Bedi
61. What is the minimum age qualification required for a candidate to be elected as a member of the Rajya Sabha?
(A) 25 years (B) 30 years
(C) 18 years (D) 35 years
62. Which one among the following was described by Dr. Ambedkar as the 'heart and soul' of the Constitution?
(A) Right to freedom of speech and expression
(B) Right to equality
(C) Right to constitutional remedies
(D) Right against exploitation

63. Who among the following can preside but cannot vote in one of the Houses of Parliament?
- (A) Speaker of Lok Sabha
 - (B) Deputy Speaker of Lok Sabha
 - (C) Vice President of India
 - (D) Deputy Chairman of Rajya Sabha
64. The Chief Election Commissioner holds office :
- (A) for a period of six years
 - (B) during the pleasure of the President
 - (C) for a period of five years
 - (D) for a period of six years or till the age of 65 years whichever is earlier
65. Who among the following was not a member of the Drafting Committee for the Constitution of India?
- (A) T. Prakasam
 - (B) Alladi Krishnaswamy Iyer
 - (C) T.T. Krishnamachari
 - (D) N. Gopalaswami Iyengar
66. The 97th amendment to the Constitution dealt with :
- (A) The structure of Election Commission
 - (B) Universalising Elementary Education
 - (C) Anti defection
 - (D) The powers of Panchayati Raj institutions
67. The age of retirement of the judges of the High Courts is :
- (A) 62 years
 - (B) 60 years
 - (C) 58 years
 - (D) 65 years
68. The joint session of both Houses of Parliament is presided over by
- (A) The President
 - (B) The Speaker of Lok Sabha
 - (C) Chairman of Rajya Sabha
 - (D) The Prime Minister
69. While General Emergency is in operation, the duration of Lok Sabha can be extended for a period of
- (A) six months only
 - (B) six months at a time
 - (C) one year only
 - (D) one year at a time

70. Under which of the following articles of the Indian Constitution provisions for the creation and abolition of Legislative Councils in states are made?
- (A) 168 (B) 169
(C) 170 (D) 171
71. Which part of the following sentence is incorrect?
- (A) The film (B) that I watched yesterday
(C) is about a young lady (D) who was a famous actress
72. The wall was _____ high that I could not reach its top.
- (A) so (B) very
(C) too (D) much
73. When Sunny arrived home his children :
- (A) went to sleep (B) had gone to sleep
(C) has gone to sleep (D) was going to sleep
74. The expression 'vox populi' means :
- (A) popular hatred (B) electoral verdict
(C) opinion poll (D) popular opinion
75. Why don't you look _____ the dictionary to get the correct meaning of this word?
- (A) at (B) on
(C) up (D) upon
76. The passive form of the sentence "Her recklessness did her in." is :
- (A) She is done in by her recklessness
(B) She was done in by her recklessness
(C) She has been done in by her recklessness
(D) She had been done in by her recklessness
77. Germany is _____ European country.
- (A) a (B) an
(C) the (D) no article required
78. Nowadays, companies _____ and fire employs as they please.
- (A) hair (B) here
(C) hire (D) hear

79. The indirect form of the sentence "How did you solve this problem?" the teacher asked the girl". is :
- (A) The teacher asked the girl how she solved that problem
 - (B) The teacher asked the girl how she had solved that problem
 - (C) The teacher asked the girl how she has solved the problem
 - (D) The teacher asked the girl whether she had solved that problem
80. When I came to the railway station, the train had ——— left.
- (A) lately
 - (B) yet
 - (C) earlier
 - (D) already
81. National Rural Employment Guarantee Act was passed in the year :
- (A) 2001
 - (B) 2003
 - (C) 2005
 - (D) 2007
82. Aam Admi Bima Yojana is a programme meant for :
- (A) Housing for slum dwellers
 - (B) Housing for Rural Landless Poor
 - (C) Insurance for SC/ST
 - (D) Insurance for Rural Landless Poor
83. 'Slum Free India' is an objective of :
- (A) Indira Awas Yojana
 - (B) Rajiv Awas Yojana
 - (C) Samagra Awas Yojana
 - (D) Bharath Nirman
84. The programme implemented for the empowerment of women according to National Education Policy :
- (A) Indira Mahila Yojana
 - (B) Mahila Samakhya
 - (C) Rashtriya Mahila Khosh
 - (D) Mahila Samridhi Yojana
85. Food for Work Programme was started in the year :
- (A) 1957
 - (B) 1974
 - (C) 1977
 - (D) 1979
86. PURA stands for :
- (A) Poverty reduction in Urban and Rural Areas
 - (B) Provision of Urban Amenities in Rural Areas
 - (C) Provision of electricity in Urban and Rural Areas
 - (D) Poverty and Unemployment Reduction Agency

87. Valmiki Awas Yojana is planned to provide :
(A) Housing for Rural landless poor
(B) Housing for Urban Landless poor
(C) Housing for Slum Inhabitants
(D) Housing for SC/ST below poverty line
88. Kutir Jyoti is a welfare programme for providing :
(A) Housing for rural poor
(B) Electrification of houses of SC/ST
(C) Housing for SC/ST
(D) Electrification of urban slums
89. Integrated Child Development Services was started in the year
(A) 1970 (B) 1972
(C) 1975 (D) 1980
90. Annapoorna is a welfare programme for :
(A) Providing Food for work (B) Food security of SC/ST
(C) Food security of senior citizens (D) Food security of disabled
91. A group of four bits is known as a/an :
(A) byte (B) nibble
(C) quartet (D) octet
92. The Hexadecimal equivalent of the decimal number 162 is :
(A) A2 (B) B2
(C) C2 (D) D2
93. Which of the following system software translate and execute high level language source code, statement by statement?
(A) Assembler (B) Compiler
(C) Interpreter (D) Operating system
94. Which of the following technology is used for exchange of data between different systems?
(A) Extensible markup language
(B) Hypertext markup language
(C) Dynamic Hypertext markup Language
(D) Practical Extraction and Reporting Language

95. A java program that execute from a web page is called :
- (A) Portlet (B) Servlet
(C) Weblet (D) Applet
96. A private computer network within an organisation or company that allows controlled access from the outside is known as :
- (A) Intranet (B) Extranet
(C) Biznet (D) Firmnet
97. Which is the standard protocol for sending emails across the Internet?
- (A) Hyper Text Transfer Protocols (HTTP)
(B) Post Office Protocol (POP)
(C) Simple Mail Transfer Protocol (SMTP)
(D) Internet Message Access Protocol (IMAP)
98. 'Software Piracy' refers to :
- (A) Unauthorised copying of software
(B) Data theft by means of software
(C) Spreading of malicious software
(D) Denial of service attack on a server
99. Which of the following terms is not associated with the cyber crime of attempting to acquire information by masquerading as a trustworthy entity?
- (A) Whaling (B) Clone phishing
(C) Bait phishing (D) Spear phishing
100. Section 67 of IT Act 2000 deals with :
- (A) Tampering of computer source documents
(B) Penalty for damage to computer, computer systems etc.
(C) Establishment of cyber appellate Tribunal
(D) Publishing of information which is obscene in electronic form