

122/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The sum and product of two numbers are 13 and 40 respectively. The sum of their reciprocals is :
(A) $1/40$ (B) $3/40$
(C) $13/40$ (D) $30/40$
2. The ratio of the age of two sisters is 3:4. The product of their ages is 192. The ratio of their ages after 5 years will be :
(A) 3:4 (B) 21:17
(C) 17:21 (D) 8:9
3. If the breadth of a rectangle is increased by 40% and the length is reduced by 30%. What will be the effect on its area?
(A) Decreases by 2% (B) Increases by 2%
(C) Increases by 10% (D) Decreases by 10%
4. When A, B, C are work together they complete a job in 8 days. When A and C decided to do the work together they completed this job in 12 days. In how many days B alone can complete the work?
(A) 20 (B) 25
(C) 30 (D) 24
5. A man travelling at a speed of 20 km/hr, reached his office 10 minutes late. Next day he travelled at a speed of 30 km/hr and he reached his office 10 minutes earlier. The distance between his office and home is :
(A) 30 km (B) 40 km
(C) 50 km (D) 20 km
6. Find $(125+95)^2 - 4 \times 125 \times 95$:
(A) 400 (B) 900
(C) 1000 (D) 440
7. The angle between both hands of a clock at 9.20 A.M. will be :
(A) 120° (B) 150°
(C) 160° (D) 130°

8. A purse contains 1 rupee, 50 paise and 25 paise coins in the ratio 7:8:9. If the total money in the purse is 159. The number of 50 paise coins in the purse will be :
- (A) 96 (B) 84
(C) 82 (D) 86
9. The radii of bases of a cylinder and a cone are in the ratio 3:4. Volume of cylinder and cone are in the ratio 9:8. Then their heights are in the ratio :
- (A) 3:2 (B) 4:3
(C) 8:9 (D) 2:3
10. Average age of 15 persons is 24 years. Later a boy is included into this group then average becomes 23 years. The age of the boy will be :
- (A) 22 (B) 8
(C) 18 (D) 12
11. In a row of students, Sherin is 12th from the left and Athira is 19th from the right. If they interchange their positions, Sherin becomes 16th from the left. Then, what will be the position of Athira from the right?
- (A) 22nd (B) 23rd
(C) 24th (D) 28th
12. Raghu said, "Manju's father is the brother of my sister's son". How is Manju's father related to Raghu?
- (A) Grandfather (B) Cousin
(C) Nephew (D) None of these
13. If the following words are arranged according to the dictionary order, which will be the second word in that order?
- (A) Disgrace (B) Disgruntled
(C) Disgorge (D) Disguise
14. If PUBLISH is coded as BLUSHIP, how will DESTROY be coded?
- (A) STEROYD (B) STORYED
(C) STOYRDE (D) STEOYRD
15. Among the following list, choose the one that is different from the other ones :
- (A) Potato (B) Cabbage
(C) Carrot (D) Beet root

16. From the following options, choose the word which best expresses the meaning of the word 'illustrious' :
- (A) Decorated (B) Imaginative
(C) Famous (D) Informal
17. On 9th November 2014, Johnson and Lisa celebrated their 6th Wedding Anniversary on Sunday. What will be the day of their 10th anniversary?
- (A) Tuesday (B) Wednesday
(C) Thursday (D) Friday
18. Cup is to coffee as plate is to :
- (A) spoon (B) hotel
(C) idli (D) waiter
19. Complete the following series :
IF, JH, LJ, OL, —
- (A) SN (B) RN
(C) TN (D) SM
20. Salim walked 100 meters facing towards South. From there he turned left and walked 40 meters. Thereafter, he turned to his left, walked 100 meters and stopped. How far and in what direction is Salim now from his starting point?
- (A) 60 meters, North (B) 40 meters, East
(C) 60 meters, East (D) 40 meters, West
21. Which of the following is not a viral disease?
- (A) Avion flue (B) Malaria
(C) Sars (D) Dengue fever
22. Richard Stallman is in connection with :
- (A) Internet (B) Free operating system
(C) Computer virus (D) Search engine
23. Who among the following in India was the first winner of Nobel prize in Physics?
- (A) S. Chandrasekharan (B) C.V. Raman
(C) V. Ramakrishnan (D) Hargovind Khorane

24. Over production of which hormone leads to exophthalmic goitre?
(A) Iodine (B) Insulin
(C) Thyroxine (D) ADH
25. A liquid having pH value more than 7 is :
(A) Citric acid (B) Lime water
(C) Soda water (D) Vinagiri
26. Which among the following is not correctly paired?
(A) Dynamo – Alfred Nobel (B) Television – J.L. Baird
(C) Computer – Charles Babbage (D) DDT – Pole Muller
27. The instrument used to measure the growth of plant is :
(A) Durometer (B) Auxanometer
(C) Potometer (D) Cryometer
28. Which one among the following is a molecular scissor?
(A) Ligas (B) Restriction endonuclease
(C) Super bugs (D) Endrophyl
29. The first nuclear reactor in India, is :
(A) Saras (B) Param 9000
(C) Apsara (D) Durga
30. Which element is in chlorophyll?
(A) Na (B) K
(C) Mg (D) Ca
31. "One Vision, One Identity, One Community" is the motto of which of the following organisations?
(A) APEC (B) ASEAN
(C) NATO (D) NAM
32. What is the ordinal number of Ban Ki Moon as the Secretary General of U.N.O.?
(A) Seventh (B) Ninth
(C) Tenth (D) Eighth

33. Which year was declared as the international year of Family Farming?
(A) 2013 (B) 2014
(C) 2015 (D) 2016
34. Nobel Prize for Literature for 2013 was awarded to :
(A) Alice Munro (B) Eleanor Carlon
(C) Martin Karplus (D) James E. Rothman
35. Asian Games 2014 was held at :
(A) Tokyo (B) Hanoy
(C) Incheon (D) Colombo
36. The Right to Free and Compulsory Education Act was enacted in :
(A) 2008 (B) 2009
(C) 2010 (D) 2012
37. The founder of Wiki Leaks is :
(A) Bill Gates (B) Julian Assange
(C) Gill Abramson (D) Jacob J. Lew
38. The Seventeenth SAARC Summit was held at :
(A) New Delhi (B) Colombo
(C) Thimpu (D) Addu
39. Rajeev Awaas Yojana aims at :
(A) Poverty Free India (B) Slum Free India
(C) Rural Employment (D) Rural Road Development
40. The new name of Planning Commission :
(A) NNPC (B) Bharat Ayog
(C) NITI Ayog (D) NEET Ayog
41. What was the original name of Chattampi Swamikal?
(A) Kunjan Pillai (B) Raman Pillai
(C) Thanu Pillai (D) Rajappan Pillai
42. Who is Pulaya Raja in Kerala Renaissance Movement?
(A) Kumaran Asan (B) Ayyankali
(C) Sree Narayana Guru (D) Vagbhatananda

43. Which is the largest backwater in Kerala?
- (A) Vembanad kayal (B) Ashtamudi kayal
(C) Sasthamkotta kayal (D) Kayamkulam kayal
44. In which year Sree Narayana Guru established a Siva temple at Aruvippuram?
- (A) 1880 (B) 1885
(C) 1886 (D) 1887
45. A famous renaissance leader of Kerala who founded Atma Vidya Sangham?
- (A) V.T. Bhattathiripad (B) Poikayil Yohannan
(C) Pandit Karuppan (D) Vagbhatananda
46. Social Justice and brotherhood of man were the cardinal principles of _____ teaching.
- (A) Brahmananda Swami Sivayogi (B) Ayya Vaikundar
(C) Mannathu Padmanabhan (D) Sree Narayana Guru
47. For his outstanding and selfless social activities, the people of Kerala honoured with the title "Bharata Kesari", who is that leader?
- (A) Chavara Kuriakose Elias (B) Nidhirikkal Mani Kathanar
(C) Mannathu Padmanabhan (D) Vakkom Moulavi
48. Who is associated with 'Pidiyari System' (a small amount of rice) in Kerala society?
- (A) Kumaran Asan (B) Dr. Palpu
(C) R. Sankar (D) Chavara Kuriakose Elias
49. Where is the headquarter of Prathyaksha Reksha Daiva Sabha?
- (A) Kumbanad (B) Vattakottal
(C) Eraviperoor (D) Pullad
50. In which year Sree Narayana Guru convened an inter-religious conference at Aluva where he gave the noble message of 'One caste, One religion and One God for men'?
- (A) 1921 (B) 1922
(C) 1923 (D) 1924
51. _____ marked the first mass campaign against British Rule led by Indian National Congress.
- (A) Ahmedabad Mill Strike (B) Non Co-operation Movement
(C) Civil Disobedience Movement (D) Khilafat Movement

52. The Pioneer Martyr of 1857 revolt :
- (A) Rani Lakshmi Bai (B) Mangal Pandey
(C) Nana Sahib (D) Tantia Tope
53. Swaraj is my birth right and I shall have it :
- (A) Bal Gangadar Tilak (B) Lala Lajpat Rai
(C) Bipin Chandra Pal (D) Gopala Krishna Gokhale
54. Who is the Frontier Gandhi?
- (A) Khan Abdul Gaffer Khan (B) Muhammed Ali Jinnah
(C) Muhammad Iqbal (D) Sir Sayyed Ahammad Khan
55. The first Education Minister of free India :
- (A) Motilal Nehru (B) Sardar Patel
(C) V.P. Menon (D) Maulana Abdul Kalam Azad
56. Who was the Grand Old man of India?
- (A) A.O. Hume (B) W.C. Bannerji
(C) C.R. Das (D) Dadabai Nauoroji
57. What was the importance of the year 1942 in the history of India's struggle for Independence?
- (A) Quit India Movement (B) Cabinet Mission Plan
(C) Simla Conference (D) Mountbatten plan
58. Who was the political Guru of Mahatma Gandhi?
- (A) Annie Besant (B) Bipin Chandra Pal
(C) Gopala Krishna Gokhale (D) W.C. Bannerji
59. Who was popularly known as the "Lion of the Punjab"?
- (A) Lala Lajpat Rai (B) Maharaja Ranjit Singh
(C) C.R. Das (D) Motilal Nehru
60. Who was the founder of Benares Hindu University?
- (A) Bipin Chandra Pal (B) Motilal Nehru
(C) C.R. Das (D) Pandit Madan Mohan Malaviya

61. The National Commission for women was constituted in :
- (A) 1985 (B) 1990
(C) 1995 (D) 2000
62. The number of members nominated by the princely states to the Constituent Assembly were :
- (A) 36 (B) 39
(C) 63 (D) 93
63. The nomination of members in the Rajya sabha by the President was borrowed by the Constitution of India from :
- (A) UK (B) USA
(C) Australia (D) Ireland
64. Which among the following is not a way for acquisition of citizenship in India?
- (A) Renunciation (B) Descent
(C) Registration (D) Incorporation of territory
65. The constitution first Amendment Act sought to :
- (A) declare that an amendment passed in accordance with Article 368 will not be law with the meaning of Article 13
(B) nullify the judicially created doctrine of basic features
(C) curtail the right to property guaranteed by Article 31
(D) none of the above
66. Who was appointed as the advisor of the Constituent assembly?
- (A) Dr. Rajendra Prasad (B) K.M. Munshi
(C) B.N. Rao (D) Dr. B.R. Ambedkar
67. The Article in the Indian Constitution which prohibits intoxicating drinks and drugs :
- (A) Article 45 (B) Article 47
(C) Article 48 (D) Article 50
68. The President of India may sometimes simply keep a Bill on his table indefinitely without giving or refusing assent. This is :
- (A) Absolute Veto (B) Qualified Veto
(C) Suspensive Veto (D) Pocket Veto

69. A member of the State Public Service Commission may resign his office by writing addressed to :
- (A) The President (B) The Governor
(C) The Chief Minister (D) The Chairman
70. Obiter Dicta is :
- (A) that part of the judgement which was strictly not necessary for the disposal of the cause or matter before the court
(B) that which was necessary to dispose of the matter and forms the crux of the decision
(C) both
(D) none of the above
71. Fill in the blanks using an article :
- I went to _____ hospital to see my uncle.
- (A) a (B) an
(C) the (D) some
72. In the following sentence, supply a verb in agreement with its subject :
- Neither food nor water _____ to be found there.
- (A) were (B) was
(C) are (D) have
73. Fill in the blank with suitable preposition :
- My friends stood _____ me during my difficult times.
- (A) beside (B) by
(C) among (D) over
74. Bring out the meaning of the idiom in the following sentence :
- We shall fight tooth and nail for our rights.
- (A) with all our power (B) using tooth and nail
(C) peacefully (D) without soldiers
75. Identify the sentence which is in passive voice?
- (A) The boy is climbing the cliff (B) They made him king
(C) They painted the house red (D) Alice was not much surprised at this

76. Pick out the sentence which is grammatically correct?
(A) One should not waste his time
(B) The boy who does best he will get a prize
(C) I asked for his book, but he did not lend me
(D) He has been studying hard for the last two weeks
77. Find the word which is not a synonym of 'modest'?
(A) Intelligent (B) Shy
(C) Silent (D) Timid
78. Give one word substitute for 'things of different nature':
(A) homogeneous (B) uniform
(C) heterogeneous (D) compatible
79. Complete the following sentence using an appropriate adjective :
He is the _____ member of the club.
(A) eldest (B) old
(C) oldest (D) elder
80. Find the other gender of 'horse':
(A) mare (B) rooster
(C) mule (D) doe
81. Which is the thrust area of Valmiki Ambedkar Awaas Yojana?
(A) Rural areas (B) Urban slums
(C) Tribal areas (D) None of these
82. When was "Andyodaya Anna Yojana" launched?
(A) August 15, 2000 (B) August 15, 2010
(C) December 25, 2000 (D) December 25, 2010
83. Which is not included in Bharat Nirman?
(A) The Rural Roads (B) The Rural housing
(C) The Rural Water Supply (D) The Rural Health
84. Expand IAY :
(A) Indian Antipoverty Yojana (B) Integrated Antipoverty Yojana
(C) Indian Awaas Yojana (D) Indira Awaas Yojana

85. Which scheme targets the most vulnerable groups of population including children up to 6 years of age, pregnant women and nursing mothers in backward rural areas, tribal areas and urban slums?
- (A) ICDS (B) DWCRA
(C) AAY (D) JRY
86. When did "Pradhan Mantri Adharsh Gram Yojana" formally launched?
- (A) 2008 (B) 2010
(C) 2012 (D) 2014
87. Which is the thrust area of Prime Minister's Rozgar Yojana?
- (A) Old age people (B) Unemployed youth
(C) Destitute women (D) Differentially able population
88. In Kerala which Programme is formally registered as the "State Poverty Eradication Mission" a society registered under the Travancore Kochi Literary Scientific and Charitable Society Act?
- (A) MGNREGA (B) BSY
(C) Kudumbasree (D) ICDS
89. Expand NREGP :
- (A) National Rural Educational Growth Programme
(B) National Road and Electricity Generating Programme
(C) National Rural Employment Guarantee Programme
(D) National Railway Engineering Growth Project
90. Which is the grass root functionary of Kudumbasree?
- (A) N.H.G (B) C.D.S
(C) A.D.S (D) Grama sabha
91. Which of the following computer language is used for artificial intelligence?
- (A) FORTRAN (B) PROLOG
(C) C (D) COBOL
92. Programmed Instruction to the computer is known as :
- (A) Data (B) Code
(C) Documentation (D) Database

93. IBM 1401 is _____ Generation computer.
- (A) First (B) Second
(C) Third (D) Fourth
94. The term associated with the processing speed of computer :
- (A) FFTS (B) MPG
(C) MIPS (D) CPS
95. In 1983, who defined the term 'Computer Virus'?
- (A) Fred Cohen (B) Smith
(C) Norton (D) Mcafee
96. When IT Act, 2000 of India came into force?
- (A) 17 October 2000 (B) 17 January 2001
(C) 17 November 2000 (D) 17 September 2000
97. Unauthorized attempts to bypass the security mechanisms of an information system or network is called :
- (A) Spoofing (B) Blocking
(C) Hacking (D) Resisting
98. A printer is this kind of device :
- (A) Input (B) Word processing
(C) Processing (D) Output
99. Which one is a text editor for Microsoft windows?
- (A) MS Word (B) MS Excel
(C) Wordpad (D) Notepad
100. Software which allows the user to load a web page is called :
- (A) Operating system (B) Web site
(C) Browser (D) Home page