

157/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. A cuboid has six sides of different colours. The blue side is adjacent to white. The red side is opposite to black. The brown side is adjacent to blue. The red side is face down. Which one of the following would be the opposite to brown?
(A) Red (B) Black
(C) White (D) Blue
2. Yard is to inch as quart is to :
(A) gallon (B) ounce
(C) milk (D) liquid
3. X started to walk straight towards south. After walking 6 m he turned to the left and walked 5 m. Then he turned to the right and walked 5 m. Now to which direction X is facing?
(A) North-East (B) South-West
(C) North (D) South
4. If PENCIL is OGMEHN and CAMEL is BCLGK, then APPLE is :
(A) ZROND (B) COONG
(C) COOKG (D) ZOONG
5. Get odd man out :
(A) Crimson (B) Cardinal
(C) Vermilion (D) Golden
6. Look at this series : 8, 6, 9, 23, 87, ... What number should come next?
(A) 128 (B) 226
(C) 324 (D) 429
7. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali?
(A) Uncle (B) Brother
(C) Son (D) Father

8. Six friends are sitting in a circle and are facing the centre of the circle. Deepa is between Prakash and Pankaj. Priti is between Mukesh and Lalit. Prakash and Mukesh are opposite to each other. Who is sitting opposite to Priti?
- (A) Prakash (B) Pankaj
(C) Deepa (D) Lalit
9. Fill the series : QPO, NML, KJI, ———, EDC
- (A) GHI (B) CAB
(C) JKL (D) HGF
10. Choose the word which is different from the rest.
- (A) Potassium (B) Silicon
(C) Gallium (D) Zirconium
11. Ajith and Salam do 20% of a work in first 3 days. Then Ajith returns because of some physical problem. Then Salam alone finishes the remaining work in 20 days. How many days will Ajith alone take to do the whole work?
- (A) $40\frac{1}{2}$ days (B) $37\frac{1}{2}$ days
(C) 37 days (D) 40 days
12. 2.11.2003 is the first Monday. Which is the fourth Wednesday of November 2003?
- (A) 24.11.2003 (B) 25.11.2003
(C) 23.11.2003 (D) 22.11.2003
13. It takes eight hours for a 600 km journey, if 480 km is done by train and the rest by car. It takes 20 minutes more, if 400 km is done by train and the rest by car. The ratio of the speed of the train to that of the cars is :
- (A) 3:4 (B) 2:3
(C) 3:2 (D) 4:3
14. The compound interest on Rs. 4,000 for 2 years at 10% per annum is double the Simple interest on a certain sum of money for 3 years at 8% per annum. The sum placed on simple interest is :
- (A) Rs. 1,750 (B) Rs. 1,850
(C) Rs. 1,650 (D) Rs. 1,950

15. If $8 : x = 0.5 : 0.75$, then x is equal to :
- (A) 0.12 (B) 1.2
(C) 12 (D) 0.012
16. The length of a rectangle is twice its breadth. If its length is increased by 11 cm and breadth is decreased by 5 cm, the area of the rectangle is increased by 75 sq.cm. What is the length of the rectangle?
- (A) 24 cm (B) 26 cm
(C) 2.6 m (D) 2.4 m
17. Reshma is aged three times more than his son Aman. After 8 years, he would be two and a half times of Aman's age. After further 8 years, how many times would she be of Aman's age?
- (A) 4 times (B) 2 times
(C) 2 and 1/2 times (D) 3 times
18. 864 can be expressed as a product of primes as :
- (A) $2 \times 2 \times 2 \times 2 \times 3 \times 3 \times 3$
(B) $2 \times 2 \times 2 \times 2 \times 3 \times 3 \times 3 \times 3$
(C) $2 \times 2 \times 3 \times 3 \times 2 \times 3 \times 3 \times 3$
(D) $2 \times 3 \times 2 \times 3 \times 2 \times 3 \times 2 \times 3$
19. What will be the least number which when doubled will be exactly divisible by 24, 18, 21 and 10?
- (A) 2520 (B) 1260
(C) 630 (D) 5040
20. The greatest number of 3 digits which is divisible by 5, 15, 21 and 49 is :
- (A) 715 (B) 765
(C) 785 (D) 735
21. Focal length of a plane mirror is :
- (A) Small (B) Very small
(C) Infinite (D) Long
22. Common name of acetic acid is :
- (A) Soda gas (B) Vanaspathi
(C) Citric acid (D) Vinegar

23. Type of lense used in magnifying glass :
- (A) Concave (B) Convex
(C) Plane (D) Oblique
24. Metal ,which kept in kerosene :
- (A) Sodium (B) Potassium
(C) Mercury (D) Calcium
25. Leucoplasts are responsible for :
- (A) Respiration (B) Photosynthesis
(C) Conduction (D) Storage
26. At sunset, the sun looks reddish :
- (A) Dispersion of light (B) Diversion of light
(C) Scattering of light (D) Refraction of light
27. Sudden and heritable change occurs in chromosome :
- (A) Mutualism (B) Mutation
(C) Guttation (D) Predation
28. Loss of water in the form of vapour through stomata :
- (A) Transportation (B) Translocation
(C) Transpiration (D) Evaporation
29. Gens are located in :
- (A) Mitochondrion (B) Chromosome
(C) Golgi bodies (D) Chloroplast
30. Chemical name of "AJINOMOTO" :
- (A) Monosodium glutamate (B) Disodium glutamate
(C) Trisodium glutamate (D) Glutamate
31. Who among the following Prime Ministers of Thailand was ordered to step down by Constitutional court of Thailand on 7 May 2014?
- (A) Somchai Wongsawat (B) Chuan Leekpai
(C) Yingluck Shinawartra (D) Abhisit Vejjajiva

32. Which date was observed as "Malala Day" by United Nations in 2013?
(A) 12th July (B) 12th September
(C) 25th December (D) 30th January
33. The world's biggest building "New Century Global Centre" is built in which city?
(A) New York (B) Chengdu
(C) Dubai (D) Chennai
34. Which part of Ukrain is voted to join Russia?
(A) Kharkiv (B) Kiev
(C) Volya (D) Crimea
35. Which film is the 2013 Oscar best picture winner?
(A) 12 years a slave (B) American Hustle
(C) Gravity (D) Dallas Buyers Club
36. Who are the two former Popes of Catholic Church declared saints by Pope Francis on April 27, 2014?
(A) John Paul II & Stephen II (B) Francis I & Fabian I
(C) John XXIII & John Paul II (D) Clement X & Innocent XI
37. Which country is hosting the FIFA World Cup 2014?
(A) South Africa (B) England
(C) Argentina (D) Brazil
38. Who won the national award for best actor 2013 for his role in *Perariyathavar*?
(A) Salim Kumar (B) Mohan Lal
(C) Suraj Venjaramoode (D) Suresh Gopi
39. Which Indian writer was killed by Taliban in Afganistan?
(A) Rita Basu (B) Susmitha Banergy
(C) Amish Thripadi (D) Anitha Desai
40. Prime Minister Narendra Modi belong to which national coalition?
(A) NDA (B) UPA
(C) Federal Front (D) Third Front

41. The oldest Indian mountain range :
- (A) Western Ghats (B) Aravalli Range
(C) Satpura Range (D) Himalayan Range
42. Which type of soil constitutes most of the total land surface in India?
- (A) Red Soil (B) Laterite Soil
(C) Black Soil (D) Alluvial Soil
43. The City which is known to be the Kashmir of Rajasthan?
- (A) Udaipur (B) Jaipur
(C) Jodhpur (D) Ranakpur
44. The British governor general in India during the Great Rebellion :
- (A) Lord Dalhousie (B) Lord Hardinge
(C) Lord Canning (D) Lord Wellesly
45. The Satyagraha which is considered to be the forerunner of Gandhiji's hunger strikes in India :
- (A) Champaran (B) Bardoli
(C) Ahmedabad (D) Kaira
46. The nationalist leader who exposed the exploitation of the British Rule in India :
- (A) W. C. Banerjee (B) G.K. Gokhale
(C) M.G. Ranade (D) Dadabhai Naoroji
47. Asia's largest road cum rail bridge is built across the river :
- (A) Mahanadi (B) Krishna
(C) Tungabhadra (D) Godavari
48. The Manchester of India :
- (A) Ludhiana (B) Tirupur
(C) Ahmedabad (D) Mumbai
49. Which monsoon brings the dry, cool and dense Central Asian air masses to large parts of India?
- (A) South East Monsoon (B) South West Monsoon
(C) North East Monsoon (D) North West Monsoon

50. The scheme started by the Indian government in order to provide food to senior citizens who cannot take care of themselves.
- (A) National Family Benefit Scheme
 (B) Annapurna
 (C) Integrated Rural Development Programme
 (D) Jawahar Gram Samridhi Yojana
51. 'Yokashema Sabha' was founded by :
- (A) Pandit Karuppan (B) Chattampi Swamikal
 (C) V.T. Bhattatirippad (D) Vagbhatananda
52. The leader of 'Ezhava Memorial' :
- (A) A.K. Gopalan (B) C. Krishnan
 (C) G.P. Pillai (D) Dr. Palpu
53. The lines connecting places of equal air pressure :
- (A) Isobars (B) Isohyets
 (C) Isotherms (D) Isohels
54. Pedology is the scientific study of :
- (A) Rocks (B) Soils
 (C) Bricks (D) Fossils
55. The Vaikom Sathyagraha was started on :
- (A) 1924 April 20 (B) 1924 November 10
 (C) 1924 February 28 (D) 1924 March 30
56. The most important incident of Quit India Movement in Kerala was :
- (A) Wagon tragedy (B) Kizhariyur bomb case
 (C) Aikya Kerala Movement (D) Hunger March
57. The author of 'Atmopadesa Satakam' :
- (A) Sree Narayana Guru (B) Sankaracharya
 (C) Swami Vivekananda (D) Ayya Vaikundar
58. 'Hortus Malabaricus' was the contribution of :
- (A) Portuguese (B) French
 (C) Dutch (D) English

59. Which is known as 'Magnacarta of Travancore'?
- (A) Temple entry proclamation (B) Kundara proclamation
(C) Malayali memorial (D) Trippadidanam
60. The Abstention Movement was started in :
- (A) 1931 (B) 1932
(C) 1930 (D) 1933
61. How many schedules are there in the Indian constitution?
- (A) 10 (B) 12
(C) 16 (D) None of the above
62. The term 'Socialist' was added to the Indian constitution by :
- (A) the 25th amendment (B) 74th amendment
(C) 44th amendment (D) none of the above
63. In the case of preventive detention the maximum period of detention without the recommendation of advisory board is :
- (A) Six months (B) One year
(C) Two years (D) None of the above
64. The following is not a power of the Indian President :
- (A) Declaration of war (B) Issue of ordinances
(C) Appointment of Prime Minister (D) None of the above
65. The member of a state public commission can be removed by :
- (A) The Governor of the state (B) The High Court of the state
(C) The Legislature of the state (D) The President of India
66. The following article of the Indian constitution can be amended only with the ratification of states :
- (A) Article - 14 (B) Article - 4
(C) Article - 54 (D) Article - 240
67. Identify the officer with a right to speak in both houses of parliament..
- (A) Comptroller General of India (B) Governor
(C) Attorney General (D) Supreme Court Chief Justice

68. The minimum number of judges required for hearing a presidential reference under Article 143 is :
- (A) 25 (B) 2
(C) 5 (D) 9
69. The following is a subject included in concurrent list :
- (A) Electricity (B) Public health and sanitation
(C) Census (D) Taxes on agricultural income
70. The idea of unified personal laws is associated with :
- (A) Article 14 (B) Article 15
(C) Article 39 (D) Article 44
71. There is _____ hourly bus from here to the capital city. (Insert the correct article)
- (A) the (B) an
(C) a (D) none of these
72. I must apologize _____ you for the delay in reaching here. (Insert the correct preposition)
- (A) for (B) to
(C) of (D) from
73. As he is unemployed, he has _____ money to buy a scooter. (Choose the correct adjective)
- (A) the little (B) a little
(C) little (D) least
74. The stranger said to me, 'which is the shortest route to the railway station?' (Turn to indirect speech)
- (A) The stranger asked me which is the shortest route to the railway station
(B) The stranger asked me which route was the shortest to the railway station
(C) The stranger told me the shortest route to the railway station
(D) The stranger told me the route to the railway station is the shortest
75. Give a one word substitute for a person who leaves his own country to settle in another.
- (A) emigrant (B) exile
(C) migrant (D) resident

76. Give the synonym of *Benevolent* :
- (A) beautiful (B) rude
(C) generous (D) unkind
77. Find out the antonym for *modest* :
- (A) reserved (B) frank
(C) immodest (D) cynic
78. A wild goose chase means :
- (A) a useful attempt (B) a foolish attempt
(C) chasing a goose (D) killing a goose
79. Which of the following sentence is correct?
- (A) My brother has returned from Bombay yesterday.
(B) My brother had returned from Bombay yesterday.
(C) My brother returns from Bombay yesterday.
(D) My brother returned from Bombay yesterday.
80. Let them build a hospital here (Change the voice) :
- (A) Let a hospital be build by them
(B) Let a hospital be built by them here
(C) Let a hospital be build by them here
(D) Let a hospital be built here by them
81. The Integrated Child Development scheme was first set up in which district of Kerala :
- (A) Thiruvananthapuram (B) Thrissur
(C) Malappuram (D) Ernakulum
82. Antyodaya Anna Yojana was launched on :
- (A) 25th December 2000 (B) 25th Nov 2000
(C) 29th September 2000 (D) 28th Jan 2000
83. The project Bharath Nirman was mainly intended to the development of :
- (A) Urban planning (B) Rural infrastructure
(C) Child development (D) Food and sanitation

84. Jawahar Rozgar Yojana mainly intended to promote _____ among rural people.
- (A) Education (B) Housing facility
(C) Life skills (D) Employment opportunities
85. The first executive director of Kudumbasree mission :
- (A) T.K. Jose (B) K.B. Valsala Kumary
(C) James Varghese (D) Sharada Muraleedharan
86. The recognition for innovative practices of Kudumbasree was awarded by UN in 1995 is :
- (A) We the People (B) UNCHS
(C) EMPI (D) CAPAM
87. Sampoora Grameen Rozar was implemented through :
- (A) State government (B) Urban local bodies
(C) Labour welfare department (D) Panchayat Raj Institutions
88. Valmiki Ambedkar Awas Yojana launched by :
- (A) Narendra Modi (B) ManMohan Singh
(C) AB Vajpayee (D) Pranab Mukherjee
89. Kudumbasree literally means :
- (A) Prosperity of Family (B) Prosperity of Women
(C) Prosperity of Children (D) None of these
90. Which was the first state to enact an employment guarantee act in the 1970s?
- (A) Kerala (B) Tamilnadu
(C) Punjab (D) Maharashtra
91. A flip-flop is a binary cell capable of storing information of :
- (A) One bit (B) Zero bit
(C) Four bit (D) Eight bit
92. Which of the following is a Universal Gate?
- (A) AND (B) XNOR
(C) NAND (D) OR

93. The term gigabytes refers to :
- (A) 1024 Bytes (B) 1024 Kilobytes
(C) 1024 Megabytes (D) 1024 Terabytes
94. Which Layer is not present in TCP/IP model?
- (A) Application Layer (B) Internet Layer
(C) Transport Layer (D) Presentation Layer
95. iRAM stands for :
- (A) Independent Random Access Memory
(B) Integrated Random Access Memory
(C) Interdependent Random Access Memory
(D) Integrated Random Axis Memory
96. In which year was Cyber law implemented in India?
- (A) 2003 (B) 2000
(C) 2002 (D) 2001
97. FTP means :
- (A) Flat Transmission Protocol (B) Fast Transmission Protocol
(C) File Transfer Protocol (D) File Transmission Protocol
98. RISC stands for :
- (A) Regular Instruction Set Computer
(B) Repeated Instruction Set Computer
(C) Random Instruction Set Computer
(D) Reduced Instruction Set Computer
99. DMA refers to :
- (A) Direct Memory Addition
(B) Direct Memory Access
(C) Direct Multiplication Array
(D) Direct Memory Application
100. In TCP protocol header "Checksum" is of :
- (A) 16 bits (B) 8 bits
(C) 32 bits (D) 64 bits