

071/2016

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. In how many years will a sum of money triple itself, the rate of interest being 10%?
(A) 15 years (B) 20 years
(C) 10 years (D) 18 years
2. If 4 taps can fill a tank in 10 hours. Then how many hours can 6 taps fill the same tank?
(A) $6\frac{2}{3}$ hours (B) $2\frac{2}{5}$ hours
(C) $6\frac{3}{2}$ hours (D) 15 hours
3. Manu's age is 6 times Binu's age. 15 years hence Manu will be 3 times as old as Binu. Find Binu's age :
(A) 60 years (B) 10 years
(C) 45 years (D) 50 years
4. A and B together can do a piece of work in 12 days and A alone can complete the work in 18 days. How long will B alone take to complete the job?
(A) 6 days (B) 30 days
(C) 36 days (D) 21 days
5. Find the time taken by a 180 m long train running at 54 km/hr to cross a man standing on a platform :
(A) 4 seconds (B) 12 seconds
(C) 30 seconds (D) 15 seconds
6. A garden is 90 m long and 75 m broad. A path 5 m wide is to be built outside around it. Find the area of the path :
(A) 850 m² (B) 6750 m²
(C) 1750 m² (D) 7600 m²
7. What number should be subtracted from each of the numbers 23, 30, 57 and 78 so that the remainders are in proportion?
(A) 4 (B) 3
(C) 6 (D) 7

A

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[P.T.O.]

8. Which of the following numbers is divisible by 33?

(A) 1333

(B) 1375

(C) 2133

(D) 2145

9. If $\frac{y-x}{x} = \frac{3}{8}$. Find $y:x$:

(A) 11:8

(B) 8:11

(C) 8:5

(D) 5:8

10. H.C.F of 36 and 264 is:

(A) 6

(B) 36

(C) 792

(D) 12

11. If EDUCATION is coded as NOITACUDE, then REDFORT will be coded as:

(A) TROFDER

(B) FORTRED

(C) TROFRED

(D) FORTDER

12. "Flower" is related to Petal in the same way as "Book" is related to:

(A) Author

(B) Content

(C) Page

(D) Library

13. Find out the pair which is different from the other given pairs:

(A) Cow and Buffalo

(B) Cock and Hen

(C) Horse and Mare

(D) Dog and Bitch

14. Find the missing numbers in this series:

2, 6, 18, 54, _____, 486, 1458.

(A) 152

(B) 182

(C) 162

(D) 108

15. Find the odd one among these:

(A) Lake

(B) River

(C) Pool

(D) Sea

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16. Find out the missing letter :

B, E, H, K, N, _____ ?

(A) P

(B) O

(C) R

(D) Q

17. If HOBBY is coded as IOBY and LOBBY is coded as MOBY then, BOBBY is Coded as :

(A) BOBY

(B) COBY

(C) NOBY

(D) OOBY

18. If 'A' is in the north of B and C is in the west of B. In What direction is A with respect to C?

(A) South

(B) East

(C) South-West

(D) North-East

19. If I = 9 YOU = 61 then WE = _____ ?

(A) 28

(B) 32

(C) 65

(D) 50

20. Statement : All the students passed the examination. Some students are girls.

Conclusion : (I) Some boys passed the Examination.

(II) All the girls failed the Examination.

(III) None of the boys passed the Examination.

(IV) None of the girls failed the Examination.

(A) I and II follow

(B) II and III follow

(C) I, II and III follow

(D) None of the above

21. What is the name of the pigment which helps animal to see in dim light?

(A) Rhodopsin

(B) Haemoglobin

(C) Photopsin

(D) Chromatin

22. The transformer works on which principle :

(A) Electrostatic force

(B) Magnetostatic force

(C) Snell's law

(D) Electromagnetic induction

23. What is oil of vitriol?

(A) Sodium Chloride

(B) Nitric Acid

(C) Sulphuric Acid

(D) Hydrochloric Acid

A

24. Which is the most effective test to determine AIDS?
 (A) Lipid profile test (B) Angiograph
 (C) Western blot test (D) MRI scan
25. What is manufactured using Bessemer process?
 (A) Steel (B) Gold
 (C) Zinc (D) Silver
26. Minamata disease is due to :
 (A) Arsenic (B) Lead
 (C) Copper (D) Mercury
27. A person suffering from bleeding gum need in his food :
 (A) Carotene (B) Citrus
 (C) Vitamin K (D) Codliver oil
28. An alloy used in making heating elements for electric heating device is :
 (A) German silver (B) Alloy steel
 (C) Nichrome (D) Solder
29. Which fossil organism is usually regarded as the connecting link between birds and reptiles?
 (A) Dryopithecus (B) Archaeopteryx
 (C) Australopithecus (D) Ardipithecus
30. Phenomenon behind the formation of rainbow :
 (A) Diffraction of light (B) Scattering of light
 (C) Interference of light (D) Dispersion of light
31. Recently dead Mufti Muhammed Sayyid was the Chief Minister of _____ State.
 (A) Delhi (B) Assam
 (C) Jammu-Kashmir (D) Mizoram
32. Which of the following work won the 'Odakkuzhal Award' to S. Joseph?
 (A) Manushyanu Oru Aamugham (B) Chandranodoppam
 (C) Chakkarappandhal (D) Unnikuttante Lokam

33. Who scored 1009 runs in one innings, in the Bhandari Trophy under-16 Inter School Cricket?
(A) Praveen Dhanvade (B) Prakash Dhanvade
(C) Pratheesh Dhanvade (D) Pranav Dhanvade
34. Who got the 'Dr. Sukumar Azhikode Thatwamasi Endowment' for this year?
(A) Dr. T.M. Thomas Issac (B) V.S. Achuthanandhan
(C) Ramesh Chennithala (D) V.M. Sudheeran
35. 'Miss World', Miriya Lalguna Roso belongs to which of the following country?
(A) Spain (B) France
(C) Indonesia (D) Japan
36. Present Jnanpeed winner Raghuvver Chaudhari is a popular writer in _____ language.
(A) Marathi (B) Gujarati
(C) Bengali (D) Telugu
37. Who among the following was appointed as CEO of NITI AYOOG?
(A) Amithabh Bachan (B) Saniya Mirza
(C) Amithabh Kanth (D) Arun Jaitly
38. Which country was defeated by India to win her Seventh Crown in SAF Games?
(A) Pakistan (B) Afghanistan
(C) Kasakistan (D) Kirgistan
39. World's largest Bird statue is built in Jatayu Nature Park. In which place of Kerala, it is built?
(A) Chennamangalam (B) Kothamangalam
(C) Kaipamangalam (D) Chatayamangalam
40. Who is the present Governor of Reserve Bank of India?
(A) P. Sadasivam (B) C. Sankara Narayanan
(C) Raghuram Rajan (D) Ajith Dowal
41. What is the official name of India?
(A) Democratic State of India (B) Republic of India
(C) Socialist State of India (D) Socialist Secular India

42. The literacy rate of India is :
 (A) 61% (B) 75%
 (C) 80% (D) 50%
43. Which was the first linguistic state in Independent India?
 (A) Karnataka (B) Tamil Nadu
 (C) Andhra Pradesh (D) None of the above
44. Which is the tree generally grown for forestation?
 (A) Mango Tree (B) Coconut Tree
 (C) Bannayan (D) Teak
45. In which river Bhakra-Nangal Dam is situated?
 (A) Sutlej (B) Godavari
 (C) Narmada (D) Krishna
46. Who was the first martyr in First Indian Independence War 1857?
 (A) Jhansi Rani (B) Mangal Pande
 (C) Savarkar (D) None
47. Swami Vivekananda delivered his famous Chicago Speech in :
 (A) 1872 January 12 (B) 1892 September 11
 (C) 1882 October 2 (D) 1867 November 1
48. Who was the Chairman of Nehru Committee Report?
 (A) Jawaharlal Nehru (B) Motilal Nehru
 (C) Arun Nehru (D) None
49. What is the total length of NH49 (Kochi to Dhanushkodi)?
 (A) 500 km (B) 550 km
 (C) 600 km (D) 440 km
50. What is a Republic?
 (A) In a democracy the head of the state is a nominated one
 (B) The government is directly elected by the people
 (C) The head of the state is hereditary and legislative is constituted by the representatives of people
 (D) In a democracy, the head of the state is either directly or indirectly elected by the people

51. Who founded 'Ananda Mahasabha' in 1918?
 (A) Sahodaran Ayyappan (B) Vagbhatanandan
 (C) Brahmananda Sivayogi (D) Agamananda Swami
52. Kochi Rajya Praja Mandalam was formed in the year :
 (A) 1940 (B) 1941
 (C) 1942 (D) 1943
53. Who wrote the famous book 'A Short History of the Peasant Movement' in Kerala?
 (A) E.M.S. Namboothirippad (B) C. Achutha Menon
 (C) P.K. Vasudevan Nair (D) Pattom Tanupillai
54. The original name of vagbhatanandan, the famous social reformer in Kerala?
 (A) Kelu Kuruppu (B) Kunji Kannan
 (C) Krishnan-Ayyan (D) Kutti Krishnan
55. Who founded Jatinasini Sabha?
 (A) Anandatheerthan (B) Chattampi Swamikal
 (C) Pandit Karuppan (D) Thycaud Ayya
56. Gayathripuzha is the tributary of which river?
 (A) Periyar (B) Bharatha Puzha
 (C) Chaliyar (D) Pampa
57. In which district Mangalavanam, the smallest wild life sanctuary in Kerala situated?
 (A) Ernakulam (B) Trissur
 (C) Wayanad (D) Idukki
58. K.S.E.B. was formed in the year :
 (A) 1957 (B) 1956
 (C) 1958 (D) 1959
59. Where is Kerala coconut research station situated?
 (A) Kayamkulam (B) Sadanandapuram
 (C) Mannuthi (D) Vellayani

60. What is the name of rain water harvest programme organised by Kerala Government?
(A) Jalanidhi (B) Harita
(C) Varsha (D) Anugraha
61. The Fundamental Rights of the Indian Citizens are enshrined in :
(A) The Preamble (B) Part III of the constitution
(C) Part IV of the constitution (D) Part V-A of the constitution
62. The authority to issue 'writs' for the enforcement of Fundamental Rights rests with :
(A) The Parliament (B) The President
(C) The Supreme Court and High Courts (D) The CBI
63. Which of the following Article of the constitution deals with the Fundamental Duties of the Indian Citizens?
(A) Article 51-A (B) Article 29-B
(C) Article 21-A (D) Article 39-C
64. Who is the Chairman of the Rajya Sabha?
(A) The President (B) The Vice-President
(C) Lok-Sabha Speaker (D) The Governor
65. In which year the National Development Council (NDC) was established?
(A) 1948 (B) 1950
(C) 1952 (D) 1957
66. The Public Service Commission in India, as the Union Public Service Commission was first called, was established in the year :
(A) 1919 (B) 1926
(C) 1947 (D) 1950
67. The National Human Rights Commission was established in the year :
(A) 1993 (B) 1975
(C) 2001 (D) 1996
68. Which Constitutional Amendment made right to free and compulsory education as a fundamental right?
(A) 73rd (B) 86th
(C) 52nd (D) 74th

69. Who is the Chairperson of Kerala State Vanitha Commission?
 (A) K. Ajitha (B) Sugathakumari
 (C) C.K. Janu (D) K.C. Rosakutty
70. Who is the present CAG?
 (A) Shashi Kant Sharma (B) Vinod Rai
 (C) Agarwal (D) H.K. Khanna
71. Let us go for a walk, :
 (A) do we? (B) shall we?
 (C) don't we? (D) didn't we?
72. The passive form of "This shop sells all the vegetables." Is :
 (A) All the vegetables are sold by this shop
 (B) All the vegetables are sold in this shop
 (C) All the vegetables have been sold by this shop
 (D) All the vegetables are being sold by this shop
73. It was raining when I _____ home yesterday.
 (A) had reached (B) has reached
 (C) had been reaching (D) reached
74. I was going _____ the documents last evening.
 (A) on (B) in
 (C) through (D) about
75. Germany is _____ European country.
 (A) a (B) an
 (C) the (D) no article required
76. The problem was _____ difficult that I could not solve it.
 (A) very (B) so
 (C) too (D) much

A

$\frac{10}{4} = 2.5$
 $\frac{15}{6} = 2.5$
 $\frac{12+3}{15} = \frac{15}{15} = 1$
 $\frac{18+3}{21} = \frac{21}{21} = 1$

In which part of the questions 77 and 78 is the mistake?

77. (A) the film (B) that I saw yesterday
(C) was about an old man (D) who was living a long time ago
78. (A) it was Shakespeare
(B) and not no one else
(C) who wrote this play
(D) at the beginning of the sixteenth century
79. Milk is _____ in proteins and minerals.
(A) good (B) large
(C) big (D) rich
80. The indirect form of 'Do you like comics?' she asked me. is :
(A) She asked me whether I like comics
(B) She asked me whether I have liked comics
(C) She asked me whether I liked comics
(D) She asked me did I like comics
81. Who is the implementing officer at district level responsible for the monitoring and supervision of national food for work programme?
(A) District industrial officer (B) District Collector
(C) District civil supplies officer (D) District information officer
82. Anganwadi centres are functioning under the programme :
(A) IRDP (B) NRDP
(C) KUDAMBASHREE (D) ICDS
83. Jawhar Rozgar Yojna was launched in April 1st 1989, by combining the two programmes :
(A) RLEGP, NRDP (B) IRDP, NREP
(C) NREP, RLEGP (D) NRDP, IRDP
84. The _____ was launched in December 2001 to ameliorate the conditions of the urban slum dwellers living below the poverty line without adequate shelter.
(A) Valmiki Ambedkar Awas Yojana (B) Bharat Nirman
(C) Samagra Awas Yojana (D) PMRY

85. Kudumbashree mission was launched on May 17th 1998 by our former Prime Minister :
- (A) Sri. Narasimha Rao (B) Sri. Manmohan Singh
(C) Sri A.B. Vajpai (D) Sri. SR. Devagouda
86. This is a comprehensive housing scheme launched with a view to ensure the integrated provision of shelter, sanitation and drinking water. The basic objective of the programme is to improve the quality of life of the people as well as the overall habitat in rural areas :
- (A) Samagra Awas Yojna (B) Antyodaya Anna Yojana
(C) Sampurna Grameen Rozgar Yojana (D) Adarsh Gram Yojana
87. Mahila Samridi Yojana was started in 1998 on the day of :
- (A) Women's day (B) Gandhi Jayanthi
(C) Independence day (D) Republic day
88. Which programme is launched on the lookout for the 'poorest of the poor' by providing them 35 kilograms of rice and wheat at Rs. 3 and Rs. 2 per kg. respectively?
- (A) National Food for Work Programme (B) Adarsh Gram Yojana
(C) Antyodya Anna Yojna (D) Sampurna Grameen Rozgar Yojana
89. To change negative family and community attitudes towards the girl child at birth and towards her mother is the prime objective of :
- (A) Integrated Child Development Scheme (B) Mahila Samridhi Yojana
(C) Indira Awas Yojana (D) Balika Samridhi Yojana
90. Which plan was called as Mehalnobis plan named after the well-known economist ?
- (A) First plan 1951 to 56 (B) Second plan 1956 to 61
(C) Third plan 1961 to 66 (D) Fourth plan 1969 to 74
91. An attempt to make a computer resource unavailable to its intended users is called :
- (A) Malware attack (B) Worms attack
(C) Denial-of-service attack (D) Adware attack
92. Name the Act that governs the internet usage in India :
- (A) The IT Gazette of India Act, 2004
(B) The Information Technology Act, 2000
(C) The Internet Usage Act, 2002
(D) The Right to Information Act, 2005

A

23

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93. Who is considered to be the first programmer?
(A) Ada Lovelace (B) Alan Turing
(C) Charles Babbage (D) Von Neumann
94. An attempt to criminally and fraudulently acquire sensitive information, such as usernames, passwords and credit card details, by masquerading as a trustworthy entity in an electronic communication is termed as :
(A) Spooling (B) Tracking
(C) Bugging (D) Phishing
95. A computer program that is used to convert an assembly language to machine language is :
(A) Compiler (B) Interpreter
(C) Assembler (D) Comparator
96. A device that modulates signals to encode digital information and demodulates signals to decode the transmitted information :
(A) modem (B) decoder
(C) encoder (D) modulator
97. Codes consisting of light and dark marks of various thickness which may be optically read is known as :
(A) Operand (B) Bar code
(C) Decoder (D) Op code
98. '.mpg' extension refers usually to what kind of file?
(A) Text/Document file (B) Image file
(C) Animation/movie file (D) All the above
99. The inventor of world wide web :
(A) Tim Berner's Lee (B) Marc Andreessen
(C) James H. Clark (D) Robert Cailliau
100. The brain of any computer system is :
(A) Memory (B) Peripheral Unit
(C) CPU (D) Control unit