

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

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

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

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) Unnikkuttante 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 Raghuv eer 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 AYO G?
 (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) Banniyam (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 Prāja 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