

43/2019-T

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. In a class boys and girls are in the ratio 5 : 3. If the number of boys is 16 more than the number of girls, then the total strength of the class is :
(A) 48 (B) 64
(C) 56 (D) 24
2. A father is 5 times as old as his son. If their total age is 48, the age of the son is :
(A) 7 (B) 6
(C) 8 (D) 40
3. In how many years Rs. 5,000 will get a compound interest of Rs. 1,050 at 10% per annum?
(A) 3 (B) 5
(C) 4 (D) 2
4. LCM and HCF of two numbers are 160 and 8 respectively. One of the number is 32, then the other number is :
(A) 40 (B) 30
(C) 20 (D) 16
5. A number is divided by 35 gives 23 as remainder. If the same number is divided by 7 remainder is :
(A) 4 (B) 3
(C) 5 (D) 2
6. The area of a square plot is 6050 sq.mts. The length of its diagonal in meters is :
(A) 100 (B) 120
(C) 130 (D) 110
7. The mean proportional between 25, 81 is :
(A) 40 (B) 50
(C) 45 (D) None of these

A

3

[P.T.O.]

8. How many times in a day the hands of the clock at right angles?
 (A) 22 (B) 40
 (C) 44 (D) 46
9. 5 men can do a job in 16 days. If 3 more men join them then the number of days required to complete the work :
 (A) 6 (B) 10
 (C) 5 (D) 13
10. A train crosses a signal post in 12 seconds, when the speed of the train was 60 km/hr. Then the length of the train in meters :
 (A) 200 (B) 150
 (C) 250 (D) 300
11. Find the odd one out :
 (A) Rambutan (B) Pistachio
 (C) Longan (D) Lychee
12. If 'INDIA' is coded as 'IOFLE', then how is 'CHINA' coded :
 (A) CIKQE (B) CIKPD
 (C) CIKRE (D) CJKQE
13. Find the missing number :
 6, 14, 45, 184, _____.
 (A) 552 (B) 229
 (C) 139 (D) 925
14. What will come in the place of '?' in the following letter series?
 ACZ, CDW, EET, GFQ, ____ ?
 (A) IFO (B) IGP
 (C) IGN (D) JFN
15. If '?' is to Bile as Gland is to '?' :
 (A) Kidney, Blood (B) Spleen, Phlegm
 (C) Liver, Urine (D) Liver, Hormone

16. If 4th of the month falls on Sunday, what day of the week will be the seventh day after 23rd of the month?
- (A) Friday (B) Sunday
(C) Thursday (D) Tuesday
17. A man walked 500 meter west of his house and then turned South and walked 700 meter. Then he turned east and walked 600 meter and finally 100 meter to the west. How far is he from his initial position?
- (A) 600 meter (B) 1200 meter
(C) 700 meter (D) 100 meter
18. 'S' and 'T' are brothers. 'U' and 'V' are sisters. The son of 'S' is brother of 'V'. T is related to 'U' as :
- (A) Brother (B) Uncle
(C) Son (D) Father
19. Exercise : Movement :: Lethargic : ?
- (A) Energetic (B) Assertive
(C) Bold (D) Apathetic
20. Fabulous : Boring :: Imaginary : ?
- (A) Real (B) Fictitious
(C) Made up (D) Mythical
21. Which part of the brain controls involuntary actions such as heart beat and breathing?
- (A) Cerebellum (B) Thalamus
(C) Medulla Oblongata (D) Cerebrum
22. The Allotrope of carbon which is used as a moderator in nuclear reactors?
- (A) Graphite (B) Fullerene
(C) Graphene (D) Charcoal
23. Which is the major component of natural gas?
- (A) Butane (B) Methane
(C) Hydrogen (D) Carbon dioxide

24. Which of the following is a gaseous plant hormone?
- (A) Auxine (B) Cytokinin
(C) Ethylene (D) Gibberellin
25. Example of a semiconductor :
- (A) Silicon (B) Copper
(C) Iron (D) Aluminium
26. The catalyst used in the manufacture of Sulphuric Acid :
- (A) Manganese Dioxide (B) Vanadium Pentoxide
(C) Phosphoric Acid (D) Zinc Oxide
27. The compound used to regulate the setting time of cement :
- (A) Limestone (B) Silicon dioxide
(C) Gypsum (D) Calcium oxide
28. Water kept in an earthen pot cools well due to the phenomenon of :
- (A) Vapourisation (B) Sublimation
(C) Condensation (D) Evaporation
29. The visual pigment 'rhodopsin' seen in the rod cells of the retina is derived from which of the following vitamin:
- (A) Vitamin A (B) Vitamin K
(C) Vitamin D (D) Vitamin C
30. The phenomenon of persistence of sound as a result of multiple reflection is :
- (A) Diffraction (B) Echo
(C) Reverberation (D) Resonance
31. Who is the recipient of the Saraswathi Samman for the year 2017?
- (A) Sitanshu Yashaschandra (B) Manoj Das
(C) Padma Sachdev (D) Mahabaleswar Sail
32. In the Swachh Survekshan 2018 Rankings which Indian city was awarded best capital city in the Solid Waste Management?
- (A) Chennai (B) Mumbai
(C) Hyderabad (D) Bhuvanesar

33. The Netaji Subhash Chandra Bose Museum is at :
- (A) Pune (B) Kolkota
(C) Agarthala (D) New Delhi
34. Who has become the first player-ever to win ICC Test, ODI player and Cricketer of the year?
- (A) M.S. Dhoni (B) Virat Kohli
(C) Kane Williamson (D) Rishabh Pant
35. Who wrote 'Shadow Lines'?
- (A) Shankha Ghosh (B) Krishna Sobti
(C) Amitav Ghosh (D) Preethi Shenoy
36. In which of the following cities has started the World's first human rights television?
- (A) London (B) Tokyo
(C) New York (D) Beijing
37. India's first private sector Howitzer gun manufacturing plant has inaugurated in which Indian City?
- (A) Gandhinagar (B) Lucknow
(C) Bhopal (D) Surat
38. DARPAN project relates to :
- (A) Railways (B) Postal reforms
(C) Women Empowerment (D) Insurance reforms
39. The POCSO Act is related to :
- (A) Child Sexual abuse (B) Road safety
(C) Women safety (D) SC/ST atrocity law
40. Who won Dadasaheb Phalke award for the year 2018?
- (A) Girish Karnatak (B) Amitab Bachan
(C) Mrinal Sen (D) Vinod Khanna

41. Who wrote the book 'The Transfer of Power in India'?
- (A) Lord Mount Batten (B) V P Menon
(C) Dr. Ambedkar (D) Sardar Vallabai Patel
42. The Attingal revolt was broke out in the year :
- (A) 1732 (B) 1712
(C) 1721 (D) 1741
43. Which among the following revolts Kaitheri Ambu Nair participated?
- (A) Santhal revolt (B) Kurichya revolt
(C) Mappila revolt (D) Pazhassi revolt
44. Aryasamajam was established by :
- (A) Pandit K P Karuppan (B) Ayyankali
(C) Kumaraguru Devan (D) Sahodaran Ayyappan
45. Who among the following was closely connected with Keezhariyur Bomb Case?
- (A) G.P. Pillai (B) K.B. Menon
(C) T.K. Madhavan (D) Swedesabhimani Ramakrishna Pillai
46. In the Medieval Kerala the term Ayiram stands for :
- (A) Tax (B) Army
(C) Money (D) Council
47. Which Indian river is called as Jamuna in Bangladesh?
- (A) Ganga (B) Yamuna
(C) Brahmaputhra (D) Godavari
48. Amaravathi river is a tributary of :
- (A) Kaveri (B) Narmada
(C) Krishna (D) Tapti

49. Who was the leader of the revolt of 1857 in Kanpur?
(A) Bhakth Khan (B) Bahadurshah
(C) Vajid Ali Shah (D) Nana Saheb
50. Who among the following was NOT a member of the famous Trio (Lal-Bal Pal) in Indian National Congress?
(A) Bal Gangadhar Tilak (B) Lal Bahadur Sastri
(C) Lala Lajpat Rai (D) Bipin Chandra Pal
51. Dr. Sathyapal and Saifudheen Kitchlew were arrested for their protest against :
(A) Jallianvalabagh massacre (B) Salt law
(C) Rowlatt Acts (D) Reforms of 1919
52. Which of the following movements was closely connected with Ali brothers?
(A) Khilafat movement (B) Malabar rebellion
(C) Direct Action Day (D) Mappila revolts
53. Gandhiji withdrew non-cooperation movement in the year :
(A) 1921 (B) 1922
(C) 1924 (D) 1925
54. Who was the main organizer of the Bardoli Sathyagraha?
(A) Gandhiji (B) Lala Lajpat Rai
(C) Motilal Nehru (D) Sardar Vallabai Patel
55. Which Indus Valley site has been known as Mound of the Dead?
(A) Mohenjodaro (B) Harappa
(C) Lothal (D) Kalibangan
56. Who founded Sathyasodaka Samajam?
(A) Atmaram Pandurang (B) Jyothiba Phule
(C) E.V. Ramaswami Naicker (D) Veeresalingam

57. Who formulated People's Plan in 1945?
(A) Visweswarayya (B) Dadabai Naoroji
(C) Jawaharlal Nehru (D) M N Roy
58. The Electricity agitation of 1936 was broke out at :
(A) Kochi (B) Thrissur
(C) Palakkad (D) Kollam
59. Who published Sivayogavilasam Masika?
(A) Ayyankali (B) Chattambi Swamikal
(C) Vagbatanandan (D) Sree Narayana Guru
60. Which was the ancient name of Padmanabhapuram?
(A) Travancore (B) Kalkulam
(C) Balaramapuram (D) Venad
61. Name the Union Territories of India which have elected Legislators and Governments :
(A) Puducherry and Delhi (B) Delhi and Lakshadweep
(C) Lakshadweep and Puducherry (D) Daman and Diu
62. Which Government removed the Right to property from the list of Fundamental Rights?
(A) Jawaharlal Nehru Government (B) Indira Gandhi Government
(C) Morarji Desai Government (D) V.P. Singh Government
63. The Central legislature of India consists of :
(A) Three Houses (B) One House
(C) Two Houses (D) None of these
64. Which of the following is not a basic feature of Indian Constitution?
(A) Parliamentary Government (B) Independent Judiciary
(C) Presidential Government (D) Unitary Government

65. The Constitution of India adopted the concept of single citizenship from :
- (A) Sri Lanka (B) Britain
(C) China (D) America
66. Which constitutional amendment introduced G.S.T. in India?
- (A) 91th amendment (B) 81st amendment
(C) 100th amendment (D) 101st amendment
67. The concept of Directive Principles of State Policy in the Indian Constitution is borrowed from :
- (A) Irish Constitution (B) Canadian Constitution
(C) French Constitution (D) Australian Constitution
68. The power to regulate the rights of citizenship in India is vested on :
- (A) Supreme Court (B) The Parliament
(C) Union Cabinet (D) Law Minister
69. The Chief Minister of a State is :
- (A) Head of the Government (B) Head of the State
(C) Head of the Election Commission (D) None of these
70. Who was the First Election Commissioner of India?
- (A) T.N. Seshan (B) V.S. Ramadevi
(C) H.S. Brahma (D) Sukumar Sen
71. I would rather you ————— a doctor before you start your journey.
- (A) consult (B) to consult
(C) consulted (D) consulting
72. His article in the journal is a ————— and it achieves much appreciation.
- (A) modus operandi (B) ingenious
(C) de facto (D) bona fide

73. If it had rained, ————— :
- (A) the match would be cancelled (B) the match would have been cancelled
(C) the match will be cancelled (D) the match would have cancelled
74. What is the suitable meaning of the word 'rendezvous'?
- (A) a meeting in an agreed time and place
(B) a meeting in a strange place
(C) a promise to meet
(D) a visit in a holy place
75. Human activities pollute the environment very badly, —————.
- (A) doesn't they (B) don't they
(C) aren't they (D) do they
76. In ————— year's time, I will repay the debt completely.
- (A) the (B) an
(C) a (D) No article is needed
77. Arrange the sentence correctly :
- the president of the organization / mr. chand / a few weeks ago / was selected as
- a b c d
- (A) acdb (B) bdac
(C) cabd (D) bacd
78. The President proposes to ————— our home.
- (A) call for (B) call at
(C) call of (D) call on
79. Write the synonym of the word, 'prodigal' :
- (A) extravagant (B) moderate
(C) niggard (D) economical
80. "I believe that everyone in the country ————— a role to do".
- (A) have (B) had
(C) has (D) having

81. எதிர்ச்சொல் தருக 'அறம்' :
- (A) இகழ் (B) மறம்
(C) பொய் (D) தீது
82. பிரித்தெழுதுக – 'தேம்பாவணி' :
- (A) தேன் + பா + அணி (B) தேன்பா + வணி
(C) தேன் + பாவணி (D) தேன் + பா + வணி
83. சரியான சொல் எது :
- (A) வெத்திலை (B) வெத்தலை
(C) வெற்றிலை (D) வெற்றிளை
84. Tit for Tat – இதற்கு இணையான தமிழ் பழமொழி எது?
- (A) ஆழம் தெரியாமல் காலை விடாதே (B) மாரியல்லது காரியமில்லை
(C) புயலுக்குப்பின் அமைதி (D) பழிக்குப்பழி
85. பொருள் தருக 'கழனி' :
- (A) நெல் (B) புல்
(C) வயல் (D) செடி
86. சேர்த்தெழுதுக – அருமை + உயிர் :
- (A) ஆருயிர் (B) அருமையுயிர்
(C) அருமை உயிர் (D) அருமையான உயிர்
87. சரியான வாக்கிய அமைப்பு எது :
- (A) விவசாயிகள் வயல் உழுதான் (B) விவசாயி வயல் உழுதனர்
(C) விவசாயிகள் வயல்களை உழுதனர் (D) விவசாயி வயலை உழுதனர்
88. கீழ்காணும் விடுகதையின் விடை எது:
'ஆயிரம் முடிச்சுகள் இருந்தாலும் கூடவே ஆயிரம் ஓட்டைகளும் இருக்கும்'
- (A) இலை (B) வலை
(C) போர்வை (D) சன்னல்
89. தொடர்களை இணைத்தெழுதுக :
- 'கலா பாடினாள் ; மாலா பாடினாள்'
- (A) கலா, மாலாவும் பாடினார்கள் (B) கலாவுடன் மாலா பாடினாள்
(C) கலாவும் மாலாவும் பாடினார்கள் (D) கலா பாடியதால் மாலா பாடினாள்
90. மொழி பெயர்க்க :
- Teaching is an Art
- (A) கற்பது ஒரு கலை (B) கற்பித்தல் கலையாகும்
(C) கற்பித்தல் ஒரு கலை (D) கற்றல் என்பது கலையாகும்

91. Which of the following is an input device?
(A) Monitor (B) Plotter
(C) Joystick (D) Speakers
92. What is OCR?
(A) File Translation Process (B) Optimum Character Recognition
(C) Optical Code Recorder (D) Optical Character Recognition
93. Which of the following decimal numbers represent the hexadecimal number 1A?
(A) 26 (B) 24
(C) 16 (D) 14
94. One of the advantage of using a database management system is :
(A) Two factor authentication (B) Manage concurrency control
(C) Enhance redundancy (D) Reduce data integrity
95. What is Digital signature?
(A) Authentication of any electronic record by means of digitized signature of a person
(B) Authentication of any electronic record by means of an electronic procedure
(C) Digitally stored signature of a person
(D) Scanned picture of a person's signature on any electronic record
96. The search engines that collect results from other search engines are known as :
(A) Second search engines (B) Primary search engines
(C) Topical search engines (D) Meta search engines
97. Which of the following is address of a web page in the internet?
(A) HTTP (B) Uniform Page Locator
(C) Uniform Resource Locator (D) Port number
98. A software that acts as an intermediary between user of a computer and the computer hardware :
(A) Utility software (B) Application software
(C) BIOS (D) Operating system
99. Which is the national nodal Agency for cyber security incident response?
(A) CERT-In (B) CCA
(C) C-DAC (D) NIC
100. The Information Technology Amendment Act was made effective from :
(A) 27 October 2000 (B) 17 October 2008
(C) 27 October 2009 (D) 17 October 2000

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