1. "Optical Phenomenon" in the fringe pattern of CD is:
   (A) Diffraction   (B) Interference   (C) Polarisation   (D) Reflection

2. The weakest force among the following:
   (A) Nuclear   (B) Gravitational
   (C) Electro Magnetic   (D) Magnetic

3. Exchange Particle in Quark-Quark Interaction:
   (A) Phonon   (B) Photon   (C) Gluon   (D) Exciton

4. Special Theory of Relativity was proposed in:
   (A) 1900   (B) 1902   (C) 1903   (D) 1905

5. IRADIAN is:
   (A) 57.3°   (B) 63°   (C) 36°   (D) 18° 6'

6. For liquids, both Coefficient of Viscosity and Surface Tension:
   (A) Increases with increase in temperature
   (B) Decreases with increase in temperature
   (C) Remains constant
   (D) None of these

7. Fraction of volume of ice seen outside when immersed in water?
   (A) 2%   (B) 24%   (C) 10.5%   (D) 36%

8. Celsius and Fahrenheit show the same temperature at:
   (A) −20   (B) −30   (C) −40   (D) −50

9. occurs when source of light approach an observer.
   (A) Brewster Effect   (B) Henrich Effect
   (C) Red Shift   (D) Blue Shift

10. Which colour indicates Highest Temperature?
    (A) Dull Red   (B) Cherry Red   (C) Orange Red   (D) White

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11. The country that declared the year 2013 as National Year of Rice:
   (A) India  (B) Philippines  (C) China  (D) U.S.A.

12. The Chairman of the joint parliamentary committee on the 2G scan:
   (A) P.C. Chacko  (B) P.J. Kurien  (C) P.K. Biju  (D) P.C. Thomas

13. The first Aadhaar number holder Ranjana Sadasiv Sonawne belongs to:
   (A) Punjab  (B) Bihar  (C) Maharashtra  (D) Kerala

14. The legless amphibian reported from Meghalaya by a Malayalee scientist:
   (A) Beddomixalus  (B) Caudata  (C) Mercurana  (D) Chikilidae

15. Arogyakeralam award instituted by the Govt. of Kerala is given to:
   (A) Schools  (B) PHC  (C) Social worker  (D) Local bodies

16. The director of the film Celluloid:
   (A) Lal Jose  (B) Kamal  (C) Blessey  (D) Madhupal

17. India’s 100th successful space mission was on:
   (A) 9th September 2012  (B) 20th August 2011  
   (C) 21st May 2011  (D) 25th December 2010

18. Name the first private person of India who was given ‘Z’ security cover by the union Govt.?
   (A) Anil Ambani  (B) Mukesh Ambani
   (C) Lakshmi Mittal  (D) Amitabh Bachchan

19. ‘Saraswati Samman’ 2012 was awarded to poet Sugathakumari for her work:
   (A) Ambalamani  (B) Pathirappookkal
   (C) Manalezhuthu  (D) Muthuchippili

20. Olympics 2012 held at London was the:
   (A) 31st  (B) 26th  (C) 30th  (D) 29th
21. The representative of the crown came to be called as 'viceroy' instead of 'governor general' from the period _______.  
(A) 1947  (B) 1919  (C) 1885  (D) 1858  

22. The 'Vernacular Press Act' was passed in India during the period of _______.  
(A) Lord Curzon  (B) Lord Bentin  
(C) Lord Lytton  (D) Lord Cornwallis  

23. Lord Curzon became the viceroy of India after _______.  
(A)Lord Elgin - II  (B) Lord Ripon  (C) Lord Hastings  (D) Lord Canning  

24. The non-cooperation movement was accepted by the congress party in its _______ session.  
(A) Surat session  (B) Nagpur  (C) Calcutta  (D) Bombay  

25. The river known as 'Sorrow of Bihar' is _______.  
(A) Kosi  (B) Narmada  (C) Ganga  (D) Yamuna  

26. The man named as 'father of Indian archaeology' is _______.  
(A) William Jones  (B) Alexander Cunningham  
(C) John Marshall  (D) Marx Muller  

27. The mountain ranges in the eastern part of India forming its boundary with Myanmar are collectively called as:  
(A) Himachal  (B) Uttarakhand  (C) Sahyathri  (D) Purvanchal  

28. Which one of the following lakes is a salt water lake?  
(A) Dal  (B) Wular  (C) Sambhar  (D) Gobind Sagar  

29. The first population census was taken in India in the year:  
(A) 1872  (B) 1982  (C) 1891  (D) 1901  

30. The country which has higher average population density than India is _______.  
(A) Russia  (B) China  (C) America  (D) Bangladesh  

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31. Which among the following is a Megalitic Burial Site in Kerala?
   (A) Peruvanam  (B) Muzhikkalam
   (C) Cheramanangad  (D) None of these

32. In which district of Kerala, Edakkal is situated?
   (A) Wynad  (B) Kollam  (C) Ernakulam  (D) Kannur

33. Who among the following is associated with Ayyavazhi?
   (A) Thycaud Ayya  (B) Ayyankali
   (C) Brahmananda Sivayogi  (D) Ayya Vajkundar

34. Which was the rail line in Kerala through which train passed first?
   (A) Tanur-Pothundi  (B) Beppur-Tirur
   (C) Chengotta-Punalur  (D) Kayamkulam-Kollam

35. Who wrote the book Krishthumatha Chedanam?
   (A) Vagbhatananda  (B) Chattampi Swamikal
   (C) Kumara Guru  (D) None of these

36. Under whose leadership, Vala Samudaya Parishkarini Sabha was organised?
   (A) Ayyankali  (B) Krishnathi Asan
   (C) Pandit K.P. Karuppan  (D) None of these

37. Which was the place of conference in which Sree Narayana Guru called for the abolition of Talikettukalyanam?
   (A) Paravur  (B) Alwaye  (C) Sivagiri  (D) Chempazhanthi

38. Which poem of Kumaran Asan portrays the story of Matangi?
   (A) Karuna  (B) Veenapoov
   (C) Duravastha  (D) Chandalabikshuki

39. Who wrote Islam Matha Siddhantha Samgraham?
   (A) Mohammed Abdur Rahiman  (B) Variyankunnath Kunjahammad Haji
   (C) Vakkom Maulavi  (D) Ali Musaliyar

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40. Where did Mahatma Gandhi and Sree Narayana Guru meet in 1925?
   (A) Sivagiri  (B) Vaikkom  (C) Guruvayur  (D) None of these

41. The rights of minorities to establish and administer educational institutions is guaranteed in the:
   (A) Art. 32  (B) Art. 30  (C) Art. 45  (D) Art. 14

42. The statement “Eternal Vigilance is the Price of liberty” means:
   (A) People should not bother about liberty
   (B) People should pay for liberty
   (C) People should be conscious of their rights
   (D) Rights are insignificant

43. The assets of a dead man without heir or will undertaken by the state is called:
   (A) Fines  (B) Penalties
   (C) Special assessment  (D) Escheats

44. The Principle of Rule of Law implies:
   (A) Law is baseless  (B) Inequality is the reality
   (C) All should be treated as equals  (D) Rule is important

45. Who among the following formulated ‘People’s Plan’?
   (A) M.N. Roy  (B) Jawaharlal Nehru
   (C) M.K. Gandhi  (D) P.C. Joshi

46. Which of the following is not established by the constitution of India?
   (A) Finance Commission  (B) UPSC
   (C) Election Commission  (D) Planning Commission

47. Parliamentary Committee on Subordinate Legislation came into existence in:
   (A) 1948  (B) 1953  (C) 1969  (D) 1951

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48. Judicial Review Power of the Supreme Court relates to:
   (A) Constitutional Validity of law  (B) Law interpretation
   (C) Law application  (D) Law making

49. The minimum age required to be eligible to contest Presidential election in India is:
   (A) 21 years  (B) 35 years  (C) 55 years  (D) 32 years

50. The National Human Rights Commission was established in:
   (A) 1951  (B) 1983  (C) 1993  (D) 1981

51. We ________ Ravi yesterday.
   (A) have met  (B) met  (C) had met  (D) were met

52. He comes home everyday.
   (A) Isn’t it?  (B) Hasn’t he?  (C) doesn’t he?  (D) won’t he?

53. Reena has a ________ for painting.
   (A) flair  (B) fair  (C) flare  (D) fare

54. My father is ________ home.
   (A) in  (B) at  (C) from  (D) by

55. Reena is not ________ ugly girl.
   (A) a  (B) an  (C) one  (D) the

56. James passed ________ his old school today morning.
   (A) along  (B) into  (C) with  (D) by

57. The robber looted the bank in ________ with the security.
   (A) collusion  (B) collision  (C) coalition  (D) combination

58. The mistakes ________ admitted by the student.
   (A) have  (B) was  (C) were  (D) is
59. Choose the correct form:
   (A) Neither did I read nor I did speak
   (B) Neither I did read nor I did speak
   (C) Neither did I read nor did I speak
   (D) Neither I did read nor did I speak

60. "I saw this car here a week ago", she said. She said that
   (A) she saw that car here a week ago
   (B) she saw that car there a week ago
   (C) she saw that car there a week since
   (D) she saw that car there a week before

61. തെറാവെ പ്രയാവ്:
   (A) ഗുരുമുള്ളുകൾ (B) ഗുരുമുള്ളുകൾ
   (C) ഗുരുമുള്ളുകൾ (D) ഗുരുമുള്ളുകൾ

62. തെമ്പിക എന്ന ഉപയോഗിക്കുന്ന പദാർത്ഥം:
   (A) പ്രിയബന്ധികളായി (B) തൽക്കാവുകളായി
   (C) കാലക്കരി മനസസ്‌വാമി (D) ഗമ്ഭീരമായിരിക്കാൻ

63. നിയമം വന്നത് എന്താണ്?
   (A) മുഖ്യമായും മരുന്നുമായും കറവായും മുറിയെന്നെയാണ്
   (B) മുഖ്യമായും മരുന്നുമായും കറവായും മുറിയെന്നെയാണ്
   (C) സാധ്യം മുഖ്യമായും മരുന്നുമായും കറവായും മുറിയെന്നെയാണ്
   (D) സാധ്യമായും മരുന്നുമായും കറവായും മുറിയെന്നെയാണ്

64. കുട്ടികൾ ചെയ്യുന്ന നിയമങ്ങൾ:
   (A) കുട്ടി + കുട്ടി (B) കുട്ടി + കുട്ടി
   (C) കുട്ടി + കുട്ടി (D) കുട്ടി + കുട്ടി

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65. 'മൂല' എന്നതിന്റെ മാർജിന്‌ പ്രകാരം:
(A) കൊണ്ട വിരുദ്ധ (B) കൊണ്ടും വിരുദ്ധ
(C) കൊണ്ടും (D) കൊണ്ടും

66. േരുവിള എന്നതും കാര്യ സാങ്കേതികതയുടെ വിഭാഗത്തിലും:
(A) കാർഷിക പരമാണുഭാവം വായുഭാഷ പരമാണുഭാവം
(B) കാർഷികോപ്പനെത്താനും കുറഞ്ഞും വിധം
(C) പരമാണുഭാവം
(D) സാങ്കേതികമായി കുറഞ്ഞായി വിധം

67. പേട് 1 ആണ്:
(A) കിഴക്കെയാണ് (B) കിഴക്കെയാണ്
(C) ക്യാമ്പസിൽ (D) ക്യാമ്പസ്

68. തെറ്റാണ്കിയുടെ പേര്:
(A) പാടം (B) പാടം (C) കനേയാണ് (D) കനേ

69. 'തീർ' എന്ന വാക്കിന് യഥാർത്ഥ സാംസ്കാരികതയുടെ സാംസ്കാരിക വിഭാഗങ്ങൾ എന്താണ്?
(A) സാംസ്കാരിക പരമാണുഭാവം (B) സാംസ്കാരിക പരമാണുഭാവം
(C) സാംസ്കാരിക പരമാണുഭാവം (D) സാംസ്കാരിക പരമാണുഭാവം

70. സ്വാത്യത്തിലെ ഒരു സാംസ്കാരിക പ്രണയം:
(A) സാംസ്കാരിക പരമാണുഭാവം (B) സാംസ്കാരിക പരമാണുഭാവം
(C) സാംസ്കാരിക പരമാണുഭാവം (D) സാംസ്കാരിക പരമാണുഭാവം

71. This is based on individual who knows how to use information and communication technologies and those who do not?
(A) Access (B) Usage
(C) Usage quality (D) None of the above

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72. This kind of crime involves altering raw data just before a computer processes it and then changing it back after the processing is completed:
   (A) Data diddling  (B) Data tampering  
   (C) Salami attacks  (D) None of the above

73. Information Technology Act in India was amended in:
   (A) 2000  (B) 2004  (C) 2008  (D) 2010

74. This network is an autonomous Inter-University Centre of the University Grants Commission:
   (A) NICENET  (B) BRNET  (C) INFLIBNET  (D) NICNET

75. Which of the following is not a wireless communication device?
   (A) Blue tooth  (B) GPS  
   (C) Infra red communication  (D) None of these

76. Computer to computer exchange of business documents is done through:
   (A) EDI  (B) ERP  (C) CAM  (D) CAD

77. Who started Free Software Foundation?
   (A) Linus Torvald  (B) Richard Stallman  
   (C) Bill Gates  (D) GNU

78. Linux is a
   (A) Database Program  (B) Application Program  
   (C) Operating System  (D) None of the above

79. Which of the following is not an e-governance project in India?
   (A) PRAYAN  (B) FRIENDS  (C) Bhoomi  (D) CARD

80. The resolution of a monitor is governed by the:
   (A) Size of the screen  
   (B) Cost of the monitor  
   (C) Contrast of the pixels on the screen  (D) Number of pixels

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81. If 30% of 30 – x% of 90 then the value of x is:
   (A) 90   (B) 10   (C) 9   (D) 3

82. If x = 2y = 3z then x : y : z is:
   (A) 1 : 2 : 3   (B) 3 : 2 : 1   (C) 2 : 3 : 6   (D) 6 : 3 : 2

83. There are 24 boys and 16 girls in a class. For a class test the average marks of boys is 25 and that of girls is 24. The average mark of the total students in that class is:
   (A) 24.6   (B) 26.4   (C) 24.5   (D) 24.8

84. If 2^x = 8^y then the possible values of x and y are:
   (A) 8 and 2   (B) 6 and 2   (C) 8 and 4   (D) 6 and 4

85. Ravi and Biju invested the amounts Rs. 10 lakhs and 8 lakhs respectively, in a joint venture of business. After 1 year they got a total profit of Rs. 6,30,000. They decided to divide the profit according to the ratio of the amounts invested. How much amount would Ravi get as profit?
   (A) 3,50,000   (B) 2,80,000   (C) 70,000   (D) 3,20,000

86. The sum of the ages of a father and a son is 52. The difference of their ages is 28, then the age of the father is:
   (A) 48   (B) 34   (C) 40   (D) 36

87. 4 men can do a work in 5 days and 6 women can do the same work in 4 days. If 5 men and 6 women work together they will complete the work in:
   (A) 1 day   (B) 2 days   (C) 3 days   (D) 4 days

88. A vegetable-fruit merchant purchased 200 boxes of apples at the rate 5 boxes for Rs. 40 and sold all the apples at the rate 4 boxes for Rs. 50. Percentage of his profit is:
   (A) 56.25%   (B) 42.75%   (C) 36%   (D) 40%

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89. A bus of length 10 m is overtaking another bus of the same length. If their speeds are 12 m/s and 8 m/s, how much time would be taken for overtaking?
(A) 2.5 sec (B) 4 sec (C) 8 sec (D) 5 sec

90. Three men are walking along three circular paths which are concentric, with the same speed. The perimeters of the circles are 20 m, 30 m and 40 m. If their starting points are on the same line, the distance travelled by each of them, when all they again reached together at the line of starting points is:
(A) 120 m (B) 240 m (C) 1200 m (D) 2400 m

91. Identify the next number in the series
9, 8, 8, 8, 7, 8, 6, _ ?_
(A) 5 (B) 6 (C) 8 (D) 4

92. Identify the missing term:
AZB, _ ? _, CTB, DQB, ENB
(A) BWB (B) BXB (C) BVB (D) CUB

93. Complete the following series by filling the question mark
2, 7, 14, 23, _ ? _, 47, ........
(A) 28 (B) 34 (C) 31 (D) 38

94. Which of the following names will appear in the middle if they are arranged alphabetically?
Parakashji, Prakashji, Prakashjee, Parakashje, Parkashji
(A) Parakashje (B) Parkashji (C) Prakashji (D) Parakashji

95. If the following series is written in the reverse order then which will be the 7th letter to the right of the 4th letter from your left?
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
(A) Q (B) O (C) N (D) P

96. If BOX is coded as CDPQYZ, what will be the last two letters of word in the same code for HERO?
(A) NM (B) MN (C) PQ (D) QP

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97. 'Tree' is related to 'Sapling' in the same way a 'Woman' is related to:
(A) Off-spring  (B) Father  (C) Boy  (D) Girl

98. Find out the option which has the same type of relationship as 'Retirement and Service'.
(A) Employment and Salary  (B) Arrangement and Flowers  
(C) Contract and Agreement  (D) Graduation and Studies

99. Identify the odd man out:
(A) JULY  (B) MAY  (C) JUNE  (D) MARCH

100. A and B started from a fixed place. A moves 3 km to the North and turns right, then walks 4 km. B moves towards West and walks 5 km then turns to right and walks 3 km. How far A is from B?
(A) 9 km  (B) 16 km  (C) 13 km  (D) 10 km
7. C    32. A    57. A    82. D
8. C    33. D    58. C    83. A
10. D   35. B    60. D    85. A
13. C   38. D    63. A    88. A
15. D   40. A    65. D    90. A
17. A   42. C    67. B    92. A
20. C   45. A    70. D    95. D
25. A   50. C    75. D    100. A

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