

90/2013

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 indicate Highest Temperature ?
(A) Dull Red (B) Cherry Red (C) Orange Red (D) White

C

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[P.T.O.]

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 2 G 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) Muthuchippi
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 Bentinck
(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) Uttaranchal (C) Sahyadri (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

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 Vaikundar

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 Krishnumatha 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) Veenapoo
(C) Duravastha (D) Chandalabhikshuki

39. Who wrote Islam Matha Siddhantha Samgraham ?

- (A) Mohammed Abdur Rahiman (B) Variyankunnath Kunjahammad Haji
(C) Vakkom Maulavi (D) Ali Musaliyar

40. Where did Mahatma Gandhi and Sree Narayana Guru meet in 1925 ?
(A) Sivagiri (B) Vaikom (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

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. ശരിയായ രൂപം :
- | | |
|--------------|---------------------|
| (A) ഉൽബോധനം | (B) <u>ഉദ്ബോധനം</u> |
| (C) ഉദ്ബോദനം | (D) ഉൽബോദനം |

62. അവഗീതൻ എന്ന പദത്തിന്റെ അർത്ഥം :
- | | |
|-----------------------------|-----------------------------|
| (A) വിവരലില്ലാത്തവൻ | (B) അഭിമാനബോധമുള്ളവൻ |
| (C) കഷ്ടപ്പാട് സഹിക്കുന്നവൻ | (D) <u>നിന്ദയോടുകൂടിയവൻ</u> |

63. വ്യാകരണപരമായി ശരിയേത് ?
- (A) സുന്ദര്യവും സാമർത്ഥ്യവും അന്തസ്സും അഭിജാത്യവുമുള്ള യുവതി
 - (B) സുന്ദരിയായ സാമർത്ഥ്യമുള്ള അന്തസ്സും അഭിജാത്യവുമുള്ള യുവതി
 - (C) സമർത്ഥമായ സുന്ദരിയും മനസ്സുള്ള അഭിജാത്യവുമുള്ള യുവതി
 - (D) സുന്ദരിയും സമർത്ഥയും അന്തസ്സും അഭിജാത്യവുമുള്ള യുവതി

64. കണ്ണിർ എന്ന പദം പിരിച്ചാൽ :
- | | |
|---------------------|---------------|
| (A) കണ് + നീർ | (B) കൺ + നീർ |
| (C) <u>കൺ + നീർ</u> | (D) കണ് + നീർ |

65. 'ചരം' എന്നതിന്റെ വിപരീത പദം :

- (A) ആചരം (B) ദുചരം
(C) സുചരം (D) അചരം

66. ഉഴിയം നടത്തുക എന്ന ശൈലിയുടെ അർത്ഥം :

- (A) കൃത്യബോധം കൂടാതെ വല്ലതും ചെയ്യു തീർക്കുക
(B) കൃത്യബോധത്തോടെ കാര്യങ്ങൾ ചെയ്യുക
(C) വിളിച്ചു പറയുക
(D) സാഹസികമായി കാര്യങ്ങൾ ചെയ്യുക

67. ശരിയായ പദം :

- (A) ആപാദചൂടം (B) ആപാദചൂഡം
(C) ആപാതചൂഡം (D) ആപാതചൂടം

68. അർത്ഥ വ്യത്യാസമുള്ള പദം :

- (A) വദനം (B) വക്രം (C) കപോലം (D) മുഖം

69. 'ഇൽ' എന്ന പ്രത്യയം ഏതു വിഭക്തിയുടെ താണ് ?

- (A) ആധാനികയുടെ (B) ഉദ്ദേശികയുടെ
(C) പ്രതിഗ്രാഹികയുടെ (D) സംബന്ധികയുടെ

70. ചുരുൾ കൊണ്ടിട്ടു ഇതിൽ 'കൊണ്ട്' എന്നത് :

- (A) അനുപ്രയോഗം (B) വ്യാക്ഷേപകം
(C) വിധായകം (D) ഗതി

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

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) NICNET (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

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%

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, ^②Prakashji, ^①Prakashjee, ^③Parakashje, 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

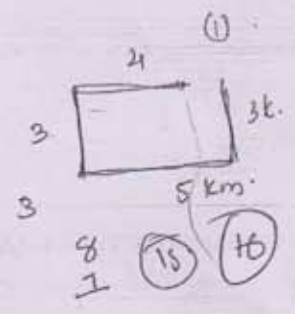
C

Prakashjee
Prakashji

Handwritten notes:
 $2+7 = 4+8 = 23$
 $23 \times 3 = 69$
 $69 - 35 = 34$
 $8 \times 5 = 40$

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

A S +



Box YZ
 PHERD
 CDD
 CO PA X Y Z
 I F G S T P Q
 E I