

4/2013

- Which lamp has the highest energy efficiency ?
(A) Incandescent Lamp (B) LED Lamp
(C) CFL (D) Arc Lamp
- Yellow light is a combination of _____ primary colors.
(A) Blue, Green (B) Red, Blue
(C) Red, Green (D) Red, Blue and Green
- Diverging lens produces _____ type of images.
(A) small virtual image (B) big real image
(C) small real image (D) big virtual image
- The process used to produce Ammonia is :
(A) Contact process (B) Haber process
(C) Chlor-alkali process (D) Creighton process
- The non-metal which exists in liquid state at room temperature is :
(A) Mercury (B) Sodium (C) Potassium (D) Bromine
- 2007 Nobel prize for Chemistry was awarded to :
(A) Gerhard Ertl (B) Dan Shechtman
(C) Richard Fred Heck (D) Venkatraman Ramakrishnan
- The 5th state of matter is :
(A) Plasma (B) Magma
(C) Bose-Einstein condensate (D) Fermionic condensate
- Speed of Blue color light in vacuum is :
(A) $> 3 \times 10^8$ m/s (B) $= 3 \times 10^8$ m/s (C) $< 3 \times 10^8$ m/s (D) 300 m/s

9. Which fuel has the highest Calorific Value ?
(A) Bio-Gas (B) Methane (C) Petrol (D) Hydrogen
10. In which direction does rainbow appear in the morning ?
(A) North (B) South (C) East (D) West
11. The Chief Minister of Uttarakhand is _____.
(A) Manohar parrikar (B) Vijay Bahuguna
(C) B.C.Khanduri (D) Arjun Munda
12. Who is the President of France ?
(A) Nicolas Sarkozy (B) Jacques chirac
(C) Francois Hollande (D) Joachim Gauck
13. The Booker Prize winner of 2012 is _____.
(A) Jeet Thayil (B) Hilary Mantel (C) Julian Barnes (D) Mo Yan
14. ICC T20 World Cup winner of 2012 is _____.
(A) Sri Lanka (B) Australia (C) India (D) West Indies
15. Who won the women's 100 meter Gold in 2012 London Olympics :
(A) Shelly-Ann Fraser-Pryce (B) Carmelita Jeter
(C) Christine Ohuruogo (D) Felix Sanchez
16. The 59th National Film Award for Best Director was won by :
(A) Gurvinder Singh (B) Salim Ahamed
(C) Suveeran (D) Vetrimaaran

17. God's particle is the pseudonym of _____.
- (A) Large Hadron Collider (B) Quarks
(C) Leptons (D) Higgs Boson
18. Which rocket was launched by ISRO during its 100th mission ?
- (A) ASLV-C21 (B) GSLV-C21 (C) PSLV-C21 (D) INSAT-C21
19. The 2012 Nobel Peace Prize was awarded to _____.
- (A) Liu Xiaobo (B) European Union
(C) Barack Obama (D) Inter governmental Panel on climate change
20. The Minister for Cooperation in Kerala is :
- (A) C.N. Balakrishnan (B) K. Babu
(C) Adoor Prakash (D) V.K. Ebrahim Kunju
21. India is called a tropical country mainly on account of its :
- (A) Latitudinal Extent (B) Longitudinal Extent
(C) Areal Size (D) Tropical Monsoon Climate
22. The marshy and forested land in northern part of Uttar Pradesh is :
- (A) Khadar (B) Bangar (C) Terai (D) Siwaliks
23. Which river is called a river between the two mountains ?
- (A) Narmada (B) Ganga (C) Godhavari (D) Sutlej
24. Which state is called the agricultural epitome of India ?
- (A) West Bengal (B) Uttar Pradesh (C) Tamil Nadu (D) Madhya Pradesh

25. Which region of India has a larger female population than the male population ?
 (A) West Bengal (B) Mizoram (C) Nagaland (D) Puducherry
26. Who was the first propounder of the doctrine of 'Passive Resistance' ?
 (A) B.G. Thilak (B) Aurobindo Ghosh
 (C) G.K. Gokhalae (D) M.K. Gandhi
27. In which Five Year Plan University Grants Commission was set up for promoting and strengthening higher education :
 (A) First Five Year Plan (B) Third Five Year Plan
 (C) Fifth Five Year Plan (D) Eleventh Five Year Plan
28. Who is known as the father of Renaissance of Western India ?
 (A) B.M. Malabari (B) M.G. Ranade
 (C) R.G. Bhandarkar (D) K.T. Telang
29. The Longest river in Peninsular India :
 (A) Godavari (B) Krishna (C) Kaveri (D) Mahanadi
30. The largest producer of rice in India :
 (A) Kerala (B) Andhra Pradesh
 (C) Tamil Nadu (D) Gujarat
31. The national animal of Kerala :
 (A) Tiger (B) Elephant (C) Leopard (D) Deer
32. The southern most river in Kerala :
 (A) Kallada (B) Karamanayar (C) Ithikkara (D) Neyyar
33. The largest National Park in Kerala :
 (A) Eravikulam (B) Silent Valley
 (C) Pambadum chola (D) Mathikettan chola

34. The First dam in Kerala :
 (A) Malampuzha (B) Mullapperiyar (C) Sabarigiri (D) Peechi
35. The most populated district in Kerala as per 2001 census :
 (A) Thiruvananthapuram (B) Ernakulam
 (C) Malappuram (D) Thrissur
36. Chattampi Swamikal was born in the year :
 (A) 1851 (B) 1853 (C) 1854 (D) 1856
37. The 'Savarna Jatha', to support the Vaikom Satyagraha was organised by :
 (A) Mannath Padmanabhan (B) T.K. Madhavan
 (C) K. Kelappan (D) Dr. Palpu
38. 'Vivekodayam' magazine was published by :
 (A) Ramakrishna Pillai (B) Pandit Karuppan
 (C) V.T. Bhattathirippad (D) Kumaranasan
39. 'Atma Vidhya Sangam' was founded by :
 (A) Ayyan Kali (B) Thycaud Ayya
 (C) Vagbhatananda (D) Sahodaran Ayyappan
40. In Travancore, The Temple Entry Proclamation was made in :
 (A) 1931 (B) 1936 (C) 1938 (D) 1940
41. The constitution describes India as a _____.
 (A) Federal State (B) Quasi-Federal State
 (C) Unitary State (D) Union of States
42. The authority/body competent to determine the conditions of citizenship in India :
 (A) The President (B) The Parliament
 (C) The Union Cabinet (D) The Supreme Court
43. From which Constitution India borrowed the idea of Directive Principles of State Policy ?
 (A) Constitution of the U.K. (B) Constitution of the U.S.A.
 (C) Constitution of Ireland (D) Constitution of Canada

44. Who was the Chairman of the Constituent Assembly of India ?
(A) Dr. B.R. Ambedkar (B) Dr. B.N. Rao
(C) Dr. Rajendra Prasad (D) Jawaharlal Nehru
45. Power of the judiciary to declare a law invalid on constitutional ground is called :
(A) Judicial Activism (B) Judicial Review
(C) Judicial Supremacy (D) Judicial Absolutism
46. Status of Union Public Service Commission is _____.
(A) Legal (B) Administrative (C) Advisory (D) Constitutional
47. Chairman of the National Human Rights Commission is appointed by _____.
(A) The President (B) The Prime Minister
(C) The Chief Justice of India (D) The Speaker of Lok Sabha
48. Money Bill of the Union Government is first introduced in :
(A) Rajyasabha
(B) Lok Sabha
(C) Either in Rajyasabha or Lok Sabha
(D) In the joint sitting of Rajyasabha and Lok Sabha
49. Which Amendment Act incorporated the Right to Education into the list of Fundamental Rights in India ?
(A) 67th Amendment Act, 1990 (B) 68th Amendment Act, 1991
(C) 76th Amendment Act, 1994 (D) 86th Amendment Act, 2002
50. First Chairperson of the National Commission for Women :
(A) Jayanti Patnaik (B) Dr. V. Mohini Giri
(C) Dr. Poornima Advani (D) Mamta Sharma
51. He stayed at home yesterday because he _____ a bad cold.
(A) was (B) have (C) has (D) had

52. Look me _____ when you are in India next year.
(A) down (B) up (C) in (D) over

53. I am extremely sorry I can't talk to you now, I am _____.
(A) behind the time (B) without time
(C) pressed for time (D) lost in time

54. Hundred rupees _____ enough for the taxi fare.
(A) is (B) are (C) has (D) have

In which part of the sentences (55 and 56) is the mistake.

55. He has delivered a best speech on the topic
(A) (B) (C) (D)

56. I received a check for one lakh rupees as advance for my book
(A) (B) (C) (D)

57. What is the passive voice form of : This shop sells non-fiction books.
(A) Nonfiction books is sold in this shop.
(B) Nonfiction books was sold in this shop.
(C) Nonfiction books are sold in this shop.
(D) Nonfiction books were sold in this shop.

58. **Report :** "Is your book on shakespeare", he asked her.
(A) He asked her if your book is on Shakespeare.
(B) He asked her if her book was on Shakespeare.
(C) He asked her if her book were on Shakespeare.
(D) He told her if her book is on Shakespeare.

59. Chocolate cake contains a _____ amount of calorie.
(A) high (B) numerous (C) big (D) .large

60. Within a short period of time, he reached the _____ of his career.
(A) pinnacle (B) climax (C) acme (D) optimum

61. വിധായക പ്രകാരത്തിന് ഉദാഹരണമേത് ?
 (A) വരുന്നൂ (B) വരണം (C) വരട്ടെ (D) വരാം
62. കേവലക്രിയ ഏത് ?
 (A) നടക്കുക (B) ഓടിക്കുക (C) ചാടിക്കുക (D) പായിക്കുക
63. ശരിയായ പദം ഏത് ?
 (A) മായത്വം (B) വക്ത്വം (C) മുതലാളിത്വം (D) അടിമത്തം
64. ശരിയായ പ്രയോഗമേത് ?
 (A) രാജനൊ രമണനൊ (B) ഞാനൊ നീയൊ
 (C) അതോ ഇതോ (D) എഴുതുകയൊ വായിക്കുകയൊ
65. വിവരീതപദം എഴുതുക - അച്ഛം
 (A) അനൂച്ഛം (B) അപച്ഛം (C) നച്ഛം (D) അനച്ഛം
66. ശൈലിയുടെ അർത്ഥമെന്ത് ? 'അക്കപ്പോർ വലിച്ചുകൂട്ടുക'
 (A) ഉപദ്രവമുണ്ടാക്കി വയ്ക്കുക (B) വേണ്ടാത്ത കാര്യങ്ങൾ പറയുക
 (C) വെറുതെ യുദ്ധം ചെയ്യുക (D) പ്രശ്നം വഷളാക്കുക
67. 'ഇല'യുടെ പര്യായമല്ലാത്ത പദം ഏത് ?
 (A) പലാശം (B) ഛരദനം (C) ബകുളം (D) ബർഹം
68. ശരിയായ ചിഹ്നം ചേർത്ത വാക്യം ഏത് ?
 (A) വിലപ്പെട്ടതെല്ലാം, പണം, സ്വർണ്ണം, ടി.വി, അവർ കൊണ്ടു പോയി.
 (B) വിലപ്പെട്ടതെല്ലാം - പണം, സ്വർണ്ണം, ടി.വി - അവർ കൊണ്ടു പോയി.
 (C) വിലപ്പെട്ടതെല്ലാം; പണം, സ്വർണ്ണം, ടി.വി. അവർ കൊണ്ടു പോയി.
 (D) വിലപ്പെട്ടതെല്ലാം: പണം, സ്വർണ്ണം, ടി.വി; അവർ കൊണ്ടു പോയി.

69. പൂർണ്ണവിരാമം ചുരുക്കെഴുത്തിൽ ഉപയോഗിക്കുമ്പോൾ പറയുന്നതെന്ത് ?
 (A) രോധിനി (B) ഭിത്തിക (C) അക്ഷുശം (D) ബിന്ദു
70. ആകൃതി എന്നർത്ഥം വരുന്ന പദം ഏത് ?
 (A) ആകരം (B) ആകാരം (C) ആകല്പം (D) അളിനം
71. When a key is pressed on the key board, which standard is used for converting the keystroke into corresponding bits ?
 (A) ANSI (B) EBCDIC (C) ASCII (D) ISO
72. Software, such as Explorer and Firefox, are referred to as _____.
 (A) Systems software (B) Utility software
 (C) Browsers (D) Internet tools
73. Which of the following is not an output device ?
 (A) Plotter (B) Scanner (C) Flat Screen (D) Touch Screen
74. Which technology is used in Compact disks ?
 (A) Electrical (B) Mechanical (C) Electromagnetic (D) Laser
75. The programs which are as permanent as hardware and stored in ROM is known as :
 (A) Software (B) Firmware (C) Algorithm (D) ROMware
76. Which access method is used for obtaining a record from a cassette tape ?
 (A) Sequential (B) Direct (C) Random (D) None of these
77. ASCII stands for :
 (A) American Security Code for Information Interchange
 (B) American Standard Code for Information Interchange
 (C) American Scientific Code for Interchanging Information
 (D) American Standard Code for Interchanging Information

78. Which of the following identifies a specific web page and its computer on the Web ?
 (A) Web site (B) Web site address
 (C) URL (D) Domain Name

79. An Optical input device that interprets pencil marks on paper media is :
 (A) O.M.R. (B) Punch Card Reader
 (C) Optical Scanners (D) Magnetic Tape

80. Information Technology Act was enacted on _____
 (A) 19 January 2001 (B) 30 June 2001
 (C) 9 June 2000 (D) 15 July 1999

81. Which of the following numbers is divisible by 24 ?
 (A) 15824 (B) 14824 (C) 13824 (D) 12824

82. If $\frac{a}{4} = \frac{b}{5} = \frac{c}{7}$, then $\frac{a + b + c}{a} =$
 (A) 4 (B) 5 (C) 7 (D) 16

$\frac{a}{4} = \frac{b}{5} = \frac{c}{7}$
 $5a = 4b$
 $b = \frac{5a}{4}$

83. A student multiplied a number by $\frac{4}{5}$ instead of $\frac{5}{4}$. The percentage error is :
 (A) 45% (B) 36% (C) 60% (D) 64%

84. The number of marble slabs of size 25 cm × 25 cm required to pave the floor of a square room of side 10 metres is :
 (A) 1600 (B) 1000 (C) 2000 (D) 2500

85. 40% of a number is added to 120, then the result is double of the number. What is the number ?
 (A) 100 (B) 240 (C) 150 (D) 75

86. A and B can do a work in 10 days, B and C can do it in 12 days, C and A can do it in 15 days. If A, B and C work together, they will complete the work in :
 (A) 15 days (B) 8 days (C) 10 days (D) 12 days

87. The prices of a table and a chair are in the ratio 4 : 1. The cost of 2 tables and 8 chairs is Rs. 400, the cost of a table is :
- (A) Rs. 25 (B) Rs. 100 (C) Rs. 75 (D) Rs. 50
88. The ratio of men and women in a polling booth is 4 : 5. If there were 120 women more than that of men, the number of voters in the booth were :
- (A) 480 (B) 600 (C) 1080 (D) 1000
89. A train of length 150 meters took 8 seconds to cross a bridge of length 250 metres. Time taken by the train to cross a telephone post is :
- (A) 5 seconds (B) 8 seconds (C) 3 seconds (D) 2 seconds
90. The difference between compound interest and simple interest for an amount in 2 years is Rs. 32. If the rate of interest is 8%, the amount is :
- (A) Rs. 10000 (B) Rs. 1000 (C) Rs. 5000 (D) Rs. 2500
91. Identify the next number in the series :
2, 7, 17, 32, 52, 77, _____.
- (A) 107 (B) 91 (C) 101 (D) 92
92. Identify the missing term :
PRT, _____ BDF, HJL, NPR
- (A) UWY (B) VYA (C) VXZ (D) AXY
93. In a certain code SUNDAY is coded as USDNYA. How could CREATION be written in that code ?
- (A) NOITAERC (B) RCTAENOI (C) RECTAOIN (D) RCAEITNO
94. Find out the option which has the same type of relationship as 'Chemistry and Science' ?
- (A) Painting and Arts (B) Medicine and Surgery
(C) Geography and History (D) Civics and Archaeology
95. Identify the odd man out :
- (A) 14 (B) 55 (C) 49 (D) 63

96. A, B, C, D, E and F are sitting in six chairs regularly placed around a round table. It is observed that A is between D and F, C is opposite to D, D and E are not on neighboring chairs. Which one of the following must be true ?
- (A) A is opposite to B (B) D is opposite to E
(C) C and B are neighbors (D) B and E are neighbors
97. Introducing a man, a woman said "His wife is the only daughter of my father". How is that man related to woman ?
- (A) Brother (B) Husband (C) Father in-law (D) Maternal Uncle
98. Facing south A start his journey and make turnings towards the left and right in the sequence given below. Which sequence will finally lead A to a direction other than the south ?
- (A) left, right, left, right, left, right (B) left, right, right, left, left, right
(C) left, left, right, left, left, right (D) right, right, right, left, left, left
99. Some boys are standing in a queue. If the tenth boy from behind is 5 behind the 12th boy from the front, how many are there in the queue ?
- (A) 26 (B) 17 (C) 20 (D) 27
100. A cyclist goes 40 km towards East and then turning to right he goes 40 km. Again he turn to his left and goes 20 km. After this he turns to his left and goes 40 km, then again turns right and goes 10 km. How far is he from his starting point ?
- (A) 150 km (B) 60 km (C) 70 km (D) 50 km

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