

## Assistant / Auditor- Secretariat, PSC etc.

Exam held on 05.06.2013

- Which of the following numbers is divisible by 24?  
(a) 15824 (b) 14824  
(c) 13824 (d) 12824
- If  $\frac{a}{4} = \frac{b}{5} = \frac{c}{7}$ , then  $\frac{a+b+c}{a} =$   
(a) 4 (b) 5  
(c) 7 (d) 16
- 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%
- 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
- 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
- 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
- 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
- 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
- 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
- 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
- Identify the next number in the series:  
2, 7, 17, 32, 52, 77, .....  
(a) 107 (b) 91  
(c) 101 (d) 92
- Identify the missing term:  
PRT, ....., BDF, HJL, NPR  
(a) VWY (b) VYA  
(c) VXZ (d) AXY
- 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
- 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
- Identify the odd man out:  
(a) 14 (b) 55  
(c) 49 (d) 63
- 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 neighbouring 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 neighbours  
(d) B and E are neighbours
- 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
- Facing south A start his journey and make turning towards 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
19. 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
20. A cyclist goes 40 km towards East and then turning to right he goes 40 km. Again he turns to his left and goes 20 km. After this he turns to his left and goes 40 km, then again he 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
21. Which lamp has the highest energy efficiency?  
(a) Incandescent lamp  
(b) LED lamp  
(c) CFL  
(d) Arc lamp
22. Yellow light is a combination of ..... primary colors.  
(a) Blue, Green  
(b) Red, Blue  
(c) Red, Green  
(d) Red, Blue and Green
23. Diverging lens produces ..... type of images.  
(a) small virtual image  
(b) big real image  
(c) small real image  
(d) big virtual image
24. The process used to produce Ammonia is:  
(a) Contact process  
(b) Haber process  
(c) Chlor-alkali process  
(d) Creighton process
25. The non-metal which exists in liquid state at room temperature is:  
(a) Mercury (b) Sodium  
(c) Potassium (d) Bromine
26. 2007 Nobel Prize for Chemistry was awarded to:  
(a) Gerhard Ertl  
(b) Dan Shechtman  
(c) Richard Fred Heck  
(d) Venkataraman Ramakrishnan
27. The 5th state of matter is:  
(a) Plasma (b) Magma  
(c) Bose-Einstein condensate  
(d) Fermionic condensate
28. Speed of Blue colour 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
29. Which fuel has the highest Calorific Value?  
(a) Bio-Gas  
(b) Methane  
(c) Petrol  
(d) Hydrogen
30. In which direction does rainbow appear in the morning?  
(a) North (b) South  
(c) East (d) West
31. The Chief Minister of Uttarakhand is .....  
(a) Manohar Parrikar  
(b) Vijay Bahuguna  
(c) B.C. Khanduri  
(d) Arjun Munda
32. Who is the President of France?  
(a) Nicolas Sarkozy  
(b) Jacques Chirac  
(c) Francois Hollande  
(d) Joachim Gauck
33. The Booker Prize winner of 2012 is .....  
(a) Jeet Thayil  
(b) Hilary Mantel  
(c) Julian Barnes  
(d) Mo Yan
34. ICC T 20 World Cup winner of 2012 is .....  
(a) Sri Lanka  
(b) Australia  
(c) India  
(d) West Indies
35. Who won the women's 100 meters Gold in 2012 London Olympics:  
(a) Shelly-Ann Fraser-Pryce  
(b) Carmelita Jeter  
(c) Christine Ohuruogo  
(d) Felix Sanchez
36. The 59th National Film Award for Best Director was won by:  
(a) Gurvinder Singh  
(b) Salim Ahamed  
(c) Suveeran  
(d) Vetrimaaran
37. God's particle is the pseudonym of .....  
(a) Large Hadron Collider  
(b) Quarks  
(c) Leptons  
(d) Higgs Boson
38. Which rocket was launched by ISRO during its 100th mission?  
(a) ASLV-C21  
(b) GSLV-C21  
(c) PSLV-C21  
(d) INSAT-C21
39. The 2012 Nobel Peace Prize was awarded to



- .....
- (a) Liu Xiaobo  
(b) European Union  
(c) Barack Obama  
(d) Inter Governmental Panel on climate change
40. The Minister for Co-operation in Kerala is:  
(a) C.N. Balakrishnan  
(b) K. Babu  
(c) Adoor Prakash  
(d) V.K. Ebrahim Kunju
41. India is called a tropical country mainly on account of its:  
(a) Latitudinal Extent  
(b) Longitudinal Extent  
(c) Areal Size  
(d) Tropical Monsoon Climate
42. The marshy and forested land in northern part of Uttar Pradesh is:  
(a) Khadar (b) Bangar  
(c) Terai (d) Siwaliks
43. Which river is called a river between the two mountains?  
(a) Narmada (b) Ganga  
(c) Godhavari (d) Sutlej
44. Which state is called the agricultural epitome of India?  
(a) West Bengal  
(b) Uttar Pradesh  
(c) Tamil Nadu  
(d) Madhya Pradesh
45. Which region of India has a larger female population than the male population?  
(a) West Bengal  
(b) Mizoram  
(c) Nagaland  
(d) Puducherry
46. Who was the first propounder of the doctrine of 'Passive Resistance'?  
(a) B.G. Tilak  
(b) Aurobindo Ghosh  
(c) G.K. Gokhalae  
(d) M.K. Gandhi
47. 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
48. 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
49. The Longest river in Peninsular India:  
(a) Godavari (b) Krishna  
(c) Kaveri (d) Mahanadi
50. The largest producer of rice in India?  
(a) Kerala  
(b) Andhra Pradesh  
(c) Tamil Nadu  
(d) Gujarat
51. The National Animal of Kerala:  
(a) Tiger (b) Elephant  
(c) Leopard (d) Deer
52. The southern most river in Kerala:  
(a) Kallada (b) Karamanayar  
(c) Ithikkara (d) Neyyar
53. The largest National Park in Kerala:  
(a) Eravikulam  
(b) Silent Valley  
(c) Pambadum Chola  
(d) Mathikettan Chola
54. The first dam in Kerala:  
(a) Malampuzha  
(b) Mullapperiyar  
(c) Sabarigiri  
(d) Peechi
55. The most populated district in Kerala as per 2001 census:  
(a) Thiruvananthapuram  
(b) Ernakulam  
(c) Malappuram  
(d) Thrissur
56. Chattampi Swamikal was born in the year:  
(a) 1851 (b) 1853  
(c) 1854 (d) 1856
57. The 'Savarna Jatha' to support the Vaikom Satyagraha was organised by:  
(a) Mannath Padmanabhan  
(b) T.K. Madhavan  
(c) K. Kelappan  
(d) Dr. Palpu
58. 'Vivekodayam' magazine was published by:  
(a) Ramakrishna Pillai  
(b) Pandit Karuppan  
(c) V.T. Bhattathippad  
(d) Kumaranasan
59. 'Atma Vidhya Sangam' was founded by:  
(a) Ayyan Kali  
(b) Thycaud Ayya  
(c) Vagbhatananda  
(d) Sahodaran Ayyappan
60. In Travancore, The Temple Entry Proclamation was made in:  
(a) 1931 (b) 1936  
(c) 1938 (d) 1940
61. The constitution describes India as a .....

- (a) Federal State  
(b) Quasi-Federal State  
(c) Unitary State  
(d) Union of States
62. 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
63. 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
64. 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
65. 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
66. Status of Union Public Service Commission is .....  
(a) Legal  
(b) Administrative  
(c) Advisory  
(d) Constitutional
67. 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
68. 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
69. 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
70. First Chairperson of the National

- Commission for Women.  
(a) Jayanti Patnaik  
(b) Dr. V. Mohini Giri  
(c) Dr. Poornima Advani  
(d) Mamta Sharma
71. He stayed at home yesterday because he .....  
a bad cold  
(a) was (b) have  
(c) has (d) had
72. Look me..... when you are in India next year.  
(a) down (b) up  
(c) in (d) over
73. I am extremely sorry I can't talk to you now, I am .....  
(a) behind the times  
(b) without time  
(c) pressed for time  
(d) lost in time
74. Hundred rupees ..... enough for the taxi fare  
(a) is (b) are  
(c) has (d) have
- In which part of the sentences (75 and 76) is the mistake
75. He (a)/ has delivered (b)/ a best speech (c)/ on the topic (d)
76. I received (a)/ a check for one lakh rupees (b)/ as advance (c) / for my book (d)
77. 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
78. 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
79. Chocolate cake contains a ..... amount of calorie.  
(a) high (b) numerous  
(c) big (d) large
80. Within a short period of time, he reached the ..... of his career  
(a) Pinnacle (b) Climax  
(c) acme (d) optimum
81. വിധായകപ്രകാരത്തിന് ഉദാഹരണമേത്?  
(a) വരുന്ന (b) വരണം  
(c) വരട്ടെ (d) വരാം
82. കേവലക്രിയ ഏത്?  
(a) നടക്കുക

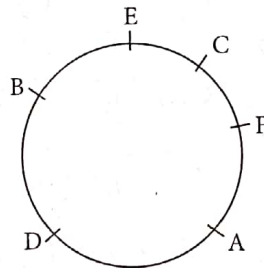


- (b) ഓടിക്കുക  
(c) ചാടിക്കുക  
(d) പായിക്കുക
83. ശരിയായ പദം ഏത്?  
(a) മായത്വം  
(b) വക്ത്രം  
(c) മുതലാളിത്വം  
(d) അടിമത്തം
84. ശരിയായ പ്രയോഗമേത്?  
(a) രാജനൊ രമണനൊ  
(b) ഞാനൊ നീയൊ  
(c) അതോ ഇതോ  
(d) എഴുതുകയൊ വായിക്കുകയൊ
85. വിപരീതപദം എഴുതുക - അച്ഛം  
(a) അനൂച്ഛം  
(b) അപച്ഛം  
(c) നച്ഛം  
(d) അനച്ഛം
86. ശൈലിയുടെ അർത്ഥമെന്ത്?  
'അക്കപ്പോർ വലിച്ചുകൂട്ടുക'  
(a) ഉപദ്രവമുണ്ടാക്കി വെക്കുക  
(b) വേണ്ടാത്ത കാര്യങ്ങൾ പറയുക  
(c) വെറുതെ യുദ്ധം ചെയ്യുക.  
(d) പ്രശ്നം വഷളാക്കുക.
87. 'ഇല'യുടെ പര്യായമല്ലാത്ത പദം ഏത്?  
(a) പലാശം  
(b) ഛദനം  
(c) ബകുളം  
(d) ബർഹം
88. ശരിയായ ചിഹ്നം ചേർത്ത വാക്യം ഏത്?  
(a) വിലപ്പെട്ടതെല്ലാം, പണം, സ്വർണം, ടി.വി, അവർ കൊണ്ടു പോയി.  
(b) വിലപ്പെട്ടതെല്ലാം - പണം, സ്വർണം, ടി.വി - അവർ കൊണ്ടു പോയി.  
(c) വിലപ്പെട്ടതെല്ലാം; പണം, സ്വർണം, ടി.വി. അവർ കൊണ്ടു പോയി.  
(d) വിലപ്പെട്ടതെല്ലാം: പണം, സ്വർണം, ടി.വി; അവർ കൊണ്ടു പോയി.
89. പൂർണ്ണ വിരാമം ചുരുക്കെഴുത്തിൽ ഉപയോഗിക്കുമ്പോൾ പറയുന്നതെന്ത്?  
(a) രോധിനി  
(b) ഭിത്തിക  
(c) അകുശം  
(d) ബിന്ദു
90. ആകൃതി എന്നർത്ഥം വരുന്ന പദം ഏത്?  
(a) ആകരം  
(b) ആകാരം  
(c) ആകല്പം  
(d) അളിനം
91. 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
92. Software, such as Explorer and firefox, are referred to as .....  
(a) Systems software  
(b) Utility software  
(c) Browsers  
(d) Internet tools
93. Which of the following is not an output device?  
(a) Plotter  
(b) Scanner  
(c) Flat screen  
(d) Touch Screen
94. Which technology is used in Compact disks?  
(a) Electrical  
(b) Mechanical  
(c) Electromagnetic  
(d) Laser
95. The programs which are as permanent as hardware and stored in ROM is known as  
(a) Software  
(b) Firmware  
(c) Algorithm  
(d) ROM ware
96. Which access method is used for obtaining a record from a cassette tape?  
(a) Sequential  
(b) Direct  
(c) Random  
(d) None of these
97. 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
98. Which of the following Identifies a specific web page and its computer on the web?  
(a) Website  
(b) Website address  
(c) URL  
(d) Domain Name
99. An optical input device that interprets pencil marks on paper media is  
(a) OMR  
(b) Punch Card Reader  
(c) Optical Scanners  
(d) Magnetic Tape
100. Information Technology Act was enacted on .....  
(a) 19 January 2001  
(b) 30 June 2001  
(c) 9 June 2000  
(d) 15 July 1999

**Mathematics:  
Explanations**

1. (c)  
24ന്റെ കോ പ്രൈം ഫാക്ടറുകളായ 8 കൊണ്ടും 3 കൊണ്ടും ഹരിക്കാൻ കഴിയുന്നു.  $1+3+8+2+4=18$ . ഇതിനെ മാത്രമാണ് 3 കൊണ്ട് ഹരിക്കാൻ കഴിയുന്നത്.
2. (a)  
 $\frac{a}{4} = \frac{b}{5} = \frac{c}{7} = k$   
 $a = 4k, b = 5k, c = 7k$   
 $\frac{16k}{4k} = 4$
3. (b)  
 $\frac{5}{4} - \frac{4}{5}$   
 $= \frac{25-16}{20} = \frac{9}{20}$   
 $\frac{9}{20} \div \frac{5}{4} \times 100$   
 $= \frac{9}{20} \times \frac{4}{5} \times 100\% = 36\%$
4. (a)  
ഒരു വശത്തേക്ക് വേണ്ടത്  
 $\frac{1000 \text{ cm}}{25} = 40$  എണ്ണം  
ആകെ  $40 \times 40 = 1600$   
എണ്ണം
5. (d)  
 $120 + \frac{40a}{100} = 2a$   
 $120 + \frac{4}{10}a = 2a$   
 $1200 + 4a = 20a$   
 $1200 = 16a$   
 $a = \frac{1200}{16} = 75$
6. (b)  
A+B ഒരു ദിവസം  $\frac{1}{10}$   
B+C ഒരു ദിവസം  $\frac{1}{12}$   
C+A ഒരു ദിവസം  $\frac{1}{15}$   
 $2(A+B+C) = \frac{1}{10} + \frac{1}{12} + \frac{1}{15}$   
 $= \frac{6+5+4}{60} = \frac{15}{60} = \frac{1}{4}$   
A+B+C in one day  $= \frac{1}{8}$   
8 ദിവസം.
7. (b)  
മേശയുടെ വില 4a എന്ന് കരുതുക. കസേര a  
 $8a + 8a = 400$   
 $a = 25 \quad 4a = 100$
8. (c)  
എളുപ്പവഴി  
 $5-4 = 1$ ന് ആനുപാതികമായത് 120. അപ്പോൾ  $5+4=9$ ന് ആനുപാതികമായത്  $120 \times 9 = 1080$

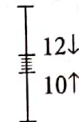
9. (c)  
 $150+250=400$  മീറ്റർ ഓടാൻ  
8 സെക്കൻഡ്. അപ്പോൾ  
150 മീറ്റർ ഓടാൻ  
 $= \frac{8}{400} \times 150$   
3 സെക്കൻഡ്.
10. (c)  
എളുപ്പവഴി  
 $P \times \left(\frac{r}{100}\right)^2 = 32$   
 $P \times \frac{8}{100} \times \frac{8}{100} = 32$   
 $P = \frac{32 \times 100 \times 100}{8 \times 8} = 5000$
11. (a)  
 $+5, +10, +15, +20+25+30 = 107$
12. (c) VXZ  
ഒന്നിടവിട്ട അക്ഷരങ്ങൾ
13. (d)  
ഓരോ ജോടിയും തിരിച്ചെഴുതിയിരിക്കുന്നു.  
RCAEITNO
14. (a)  
Painting, കലകളിൽ ഒന്നാണ്
15. (b)  
55, 7ന്റെ ഗുണിതമല്ല.
16. (d)



Bയും E യും അയൽക്കാർ

17. (b)  
ഭർത്താവാണ്
18. (c)  
എളുപ്പവഴി  
A യിൽ 3L, 3R  
B യിൽ 3L, 3R  
C യിൽ 4L, 2R  
D യിൽ 3L, 3L  
Cയാണ് ഉത്തരം, 2 L കൂടുതൽ വടക്കാണ് അവസാന ദിശ.

19. (a)

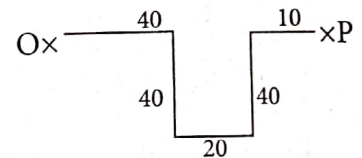


$$17+9=26$$

or

$$15+11=26$$

20. (c)



$$OP = 40 + 20 + 10 = 70 \text{ km}$$

**Answers**

- 1.(c) 2.(a) 3.(b) 4.(a) 5.(d) 6.(b) 7.(b) 8.(c)  
9.(c) 10.(c) 11.(a) 12.(c) 13.(d) 14.(a) 15.(b) 16.(d)  
17.(b) 18.(c) 19.(a) 20.(c) 21.(b) 22.(c) 23.(a) 24.(b)  
25.(d) 26.(a) 27.(c) 28.(a) 29.(d) 30.(d) 31. Trivendra  
Singh Rawat 32. Emmanuel Macron 33.(b) 34.(d) 35.(a)  
36.(a) 37.(d) 38.(c) 39.(b) 40. Kadakampally Surendran  
41.(a) 42.(c) 43.(a) 44.(b) 45.(d) 46.(d) 47.(a) 48.(b)  
49.(a) 50. West Bengal is the largest producer of Rice. 51.(b)  
52.(d) 53.(a) 54.(b) 55.(c) 56.(b) 57.(a) 58.(d) 59.(c)  
60.(b) 61.(d) 62.(b) 63.(c) 64.(c) 65.(b) 66.(d) 67.(a)  
68.(b) 69.(d) 70.(d) 71.(d) 72.(b) 73.(c) 74.(a) 75.(c)  
76.(b) 77.(c) 78.(b) 79.(d) 80.(c) 81.(b) 82.(a) 83.(d)  
84.(c) 85.(d) 86.(a) 87.(c) 88.(b) 89.(d) 90.(b) 91.(c)  
92.(c) 93.(b) 94.(d) 95.(b) 96.(a) 97.(b) 98.(c) 99.(a)  
100.(c).