

154/2017



Question Booklet  
Alpha Code

A

Question Booklet  
Serial Number

Total Number of Questions : 100

Time : 75 Minutes

Maximum Marks : 100

### INSTRUCTIONS TO CANDIDATES

1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A, B, C & D**.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices **(A), (B), (C)** and **(D)** having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.





1. Among how many children may 96 apples and 240 oranges be equally divided ?  
A) 56                      B) 48                      C) 120                      D) 480
2. If 30 men working 8 hrs. a day can do a piece of work in 16 days, in how many days will 24 men working 5 hrs. a day will do the same piece of work.  
A) 32                      B) 30                      C) 48                      D) 84
3. A sum of money doubles itself in 5 years at a simple interest. Then what is the rate of interest ?  
A) 10%                      B) 50%                      C) 12%                      D) 20%
4. Man spends 89% of his monthly income. If he saves Rs. 2,244 per month, what is his monthly income ?  
A) 20,400                      B) 22,440                      C) 24,000                      D) 18,156
5. Two trains of lengths 210 meters and 130 meters respectively are running in opposite directions on parallel tracks. If their speeds are 32 km/hr and 36 km/hr respectively, in what time will they cross each other ?  
A) 0.005 sec.                      B) 18 sec.                      C) 5 min.                      D) 30 sec.
6. A tank can be filled by one tap in 2 hrs. and by another in 3 hrs. How long will it take if both taps are opened together ?  
A)  $\frac{5}{6}$  hrs.                      B)  $\frac{6}{5}$  hrs.                      C)  $\frac{1}{5}$  hrs.                      D) 2.5 hrs.
7. Find the area of the road of width 2 meters around a square field whose side is 10 meters.  
A)  $144 \text{ m}^2$                       B)  $64 \text{ m}^2$                       C)  $100 \text{ m}^2$                       D)  $96 \text{ m}^2$
8. Today is March 7<sup>th</sup>. The day of the week is Monday. This is a leap year. What will be the day of the week on this day after 3 years ?  
A) Wednesday                      B) Thursday                      C) Friday                      D) Saturday
9. How after the hands of a clock are in a straight line in twelve hours ?  
A) 12                      B) 10                      C) 11                      D) 22
10. Age of a father is six times the age of his son. After 20 years, father's age will be twice the son's age at that time. What is the present age of the son ?  
A) 5                      B) 6                      C) 15                      D) 2
11.  $3^3 \times 3\sqrt{3} \div 3^{-5/2} = 3^{a+3}$  then a = ?  
A) 3                      B) 4                      C) 1                      D) 2





21. The nucleus of atom consists of  
A) electrons and neutrons                      B) electrons and protons  
C) protons and neutrons                      D) all of the above
22. The number of moles of solute present in 1 kg of solvent is called its  
A) molality                      B) molarity                      C) normality                      D) formality
23. Aqua regia is  
A) 1 : 3 con.  $\text{HNO}_3$  and con. HCl                      B) 1 : 2 con.  $\text{HNO}_3$  and con. HCl  
C) 3 : 1 con.  $\text{HNO}_3$  and con. HCl                      D) 2 : 1 con.  $\text{HNO}_3$  and con. HCl
24. In the lac-operon system beta galactosidase is coded by  
A) a gene                      B) bi gene                      C) x gene                      D) z gene
25. Which period of menstrual cycle is called risky period of conception ?  
A) 3<sup>rd</sup> to 7<sup>th</sup> day                      B) 7<sup>th</sup> to 13<sup>th</sup> day                      C) 10<sup>th</sup> to 17<sup>th</sup> day                      D) 15<sup>th</sup> to 25<sup>th</sup> day
26. Which of the following is not a vestigial structure in homo sapiens ?  
A) 3<sup>rd</sup> molar                      B) epiglottis  
C) plica semilunaris                      D) pyramidalis muscles
27. The unit of focal power of lense is  
A) Watt                      B) Horse power                      C) Dioptre                      D) Candella
28. The best material for solar cell among the following is  
A) Ge                      B) CdSe                      C) GaAF                      D) CdS
29. The class of fungi known as Imperfect fungi  
A) ascomycetes                      B) phycomycetes  
C) duteromycetes                      D) basidiomycetes
30. Identify the substage of meiosis, in which crossing over is occurring  
A) leptotene                      B) zygotene  
C) pachytene                      D) diplotene







48. Who remained as President of Indian National Congress from 1940 to 1945 ?
- A) Maulana Abdul Kalam Azad                      B) Dr. Rajendra Prasad  
C) J.B.Kripalani                                      D) Subhash Chandra Bose
49. Who gave the slogan 'go back to the Vedas' ?
- A) Raja Ram Mohan Roy  
B) Swami Vivekananda  
C) Swami Dayananda Saraswathi  
D) Mrs. Annie Basant
50. Who was the author of 'Tuhfat-ul-Muwah-hidin' (Gift to Monotheists) ?
- A) Sir Syed Ahammed Khan                      B) Raja Ram Mohan Roy  
C) Swami Vivekananda                              D) Maulana Abdul Kalam Azad
51. On the banks of which river, Kalady, the birth place of Sankaracharya is situated ?
- A) Bharatappuzha                                      B) Periyar  
C) Pamba    D) Korappuzha
52. Which is the First National Park in Kerala ?
- A) Iravikulam    B) Silent Valley  
C) Mathikettan    D) Periyar
53. Which District in Kerala shares its borders with both Karnataka and Tamil Nadu ?
- A) Palakkad    B) Kannur  
C) Kozhikode    D) Wayanad
54. Which is the smallest District in Kerala ?
- A) Kasaragod    B) Pathanamthitta  
C) Alappuzha    D) Eranakulam





55. Which was the earliest European fort to be built in India ?

- A) Fort William
- B) Fort St. George
- C) Fort Angelo
- D) Fort Manuel

56. Who said “Whatever may be the religion, it is enough if man becomes good” ?

- A) Sri Narayana Guru
- B) V.T.Bhattatirippad
- C) Ayyankali
- D) K.Kelappan

57. Who was the founder of ‘Yoga Kshema Sabha’ ?

- A) Vagbhatananda
- B) Brahmananda Sivayogi
- C) V.T. Bhattatirippad
- D) Ayya Guru

58. Who was the first lower caste’s representative in Travancore Legislative Assembly ?

- A) Sri Narayana Guru
- B) Ayyankali
- C) A.Ayyappan
- D) Dr. Palpu

59. Which event was hailed by Gandhiji as a ‘Miracle of modern times’ ?

- A) Vaikom Satyagraha
- B) Aruvippuram Pratishta
- C) Guruvayur Satyagraha
- D) Temple Entry Proclamation

60. Who was the editor of ‘Mitavadi’ published from Calicut ?

- A) C. Krishnan
- B) T.K. Madhavan
- C) K. Kelappan
- D) Ramakrishna Pillai



61. "This preamble embodies what is the desire of every member of the House that this Constitution should have its root, its authority, its sovereignty from the people". Who said this on the floor of Constituent Assembly in 1949 ?
- A) Jawaharlal Nehru  
B) Dr. Rajendra Prasad  
C) Dr. B.R. Ambedkar  
D) Rajagopalachari
62. In which case the Supreme Court of India introduced the concept of "Basic Structure of the Constitution" ?
- A) Kesavananda Bharati V State of Kerala  
B) Minervamill V Union of India  
C) Karimbil Kunhi Konan V State of Kerala  
D) Golaknath V State of Punjab
63. The Union Legislature in India consists of
- A) Rajya Sabha and Lok Sabha  
B) Rajya Sabha, Lok Sabha and Council of Ministers  
C) Rajya Sabha, Lok Sabha and Vice President  
D) Rajya Sabha, Lok Sabha and the President
64. As per Article 148 of the Indian Constitution the financial watch dog of the Parliament in matters of exercising vigilance over the expenditure of public money sanctioned is
- A) Chairman, Public Accounts Committee  
B) Comptroller and Auditor General  
C) Chairman, Finance Commission  
D) Union Finance Minister
65. Who called the Indian Constitution as "Lawyers Paradise" ?
- A) Prof. Granville Austin  
B) Prof. Albert Venn Dicey  
C) Sir Ivor Jennings  
D) Dr. K.M. Munshi



66. Who described Directive Principles of State Policy as a “manifesto of aims and aspirations” ?
- A) Prof. K.C. Wheare  
B) Prof. K.T. Shah  
C) B.N. Rau  
D) K.M. Panikar
67. Which Article of the Indian Constitution grants immunity to all laws included in IX Schedule ?
- A) Article 30A  
B) Article 31B  
C) Article 43B  
D) Article 31D
68. “Governor has no function to which he is required to exercise either his discretion or his individual judgement. According to the principles of the Constitution, he is required to follow the advice of his Ministry in all matters . . . . then it seems to me that the question whether he is elected or appointed is a wholly immaterial one” who said this ?
- A) K.M.Munshi  
B) Shri. Alladi Krishnaswami Ayyar  
C) Shri.Gopalswami Ayyangar  
D) Dr.B.R. Ambedkar
69. Which one of the following body is not a Constitutional one ?
- A) National Human Right Commission  
B) Union Public Service Commission  
C) Finance Commission  
D) Election Commission
70. Who is the Chairman of Human Rights Commission of India ?
- A) Justice Kurian Joseph  
B) Justice Cyriac Joseph  
C) Justice K.G.Balakrishnan  
D) Justice H.L.Dattu



71. This is my book, \_\_\_\_\_ is on the table.  
A) yours                      B) your's                      C) your                      D) yours'
72. Some people do not like \_\_\_\_\_ milk.  
A) an                      B) a                      C) the                      D) no article
73. Select the antonym for the italicised word in the sentence.  
The proposal got the *concurrence* from the UGC within a short period.  
A) opposition                      B) disapproval  
C) denunciation                      D) discourage
74. Choose the correct one word for the phrase given below :  
Play games of chance for money, especially for high stakes  
A) gamble                      B) casino  
C) variegate                      D) usury
75. How many newspapers do you subscribe \_\_\_\_\_ ?  
A) to                      B) for  
C) with                      D) in
76. We all look forward to \_\_\_\_\_ a picnic in the park.  
A) have                      B) have had  
C) having                      D) be having
77. She seldom phones me, \_\_\_\_\_ ?  
A) isn't she ?                      B) does she ?                      C) is she ?                      D) doesn't she ?
78. Rani is the \_\_\_\_\_ of all the girls in the school.  
A) taller                      B) tall                      C) tallest                      D) more tall
79. Sheena \_\_\_\_\_ visit her uncle when he was here.  
A) will                      B) ought to                      C) can                      D) used to
80. Choose the correct sentence.  
A) The one thing about tolerating artists is disturbed while working.  
B) The one thing that artists can't tolerate is being disturbed while at work.  
C) Tolerating artists while working is a disturbing thing.  
D) The one thing that artists don't tolerate is being disturbed while working.



81. Sthreesakthi is the web portal of  
A) Vanitha Commission  
B) Abhayam  
C) Kudumbasree  
D) National Commission for Women
82. Educational qualification to be eligible for Pradhan Manthri Rozgar Yojana is  
A) Matriculation or ITI  
B) Graduation in Technology  
C) Any degree  
D) 8<sup>th</sup> standard
83. Which of the following Schemes are amalgamated in Sampoorna Grameen Rozgar Yojana ?  
A) IRDP + TRYSEM  
B) SGSY + SJSRY  
C) EAS + JGSY  
D) None of these
84. Which of the following come under the community structure for the rural side under the Kudumbasree Scheme ?  
A) Neighbourhood groups  
B) Area Development Societies  
C) Community  
D) All the above
85. The Scheme of Swavalamban related to  
A) Women Security  
B) Unorganized Sector  
C) Food Security  
D) Child Development
86. HRIDAY (Heritage City Development and Augmentation Yojana) was launched on  
A) 21 January 2015  
B) 24 May 2016  
C) 22 January 2015  
D) 25 September 2001
87. Beti Bachao Beti Padhao Scheme was launched by Indian Government in  
A) 2016  
B) 2015  
C) 2014  
D) 2000
88. What was the annual requirement of food grains for Antyodaya families ?  
A) 30 lakh tones  
B) 35 lakh tones  
C) 40 lakh tones  
D) 45 lakh tones
89. The main objective of the Mahila Samrithi Yojana was to empower the  
A) Urban Women  
B) Rural Women  
C) Tribal Women  
D) Uneducated
90. The main goal of the Swatch Bharath Abhiyan is to clean India by  
A) 2020  
B) 2022  
C) 2019  
D) 2018



91. Which of the following is not an operating system ?  
A) Microsoft Windows                      B) Linux  
C) Gimp    D) DOS
92. Who among the following is the founder of World Wide Web Consortium ?  
A) Alan Turing                                      B) Larry Page  
C) Bill Gates                                        D) Tim Berners-Lee
93. 1,024 Megabytes is equivalent to  
A) 1 Gigabyte                                      B) 1 Terabyte  
C) 1 Kilobyte                                        D) 1 Petabyte
94. Who among the following founded The Free Software Foundation ?  
A) Richard Stallman                              B) Linus Torvalds  
C) Dennis Ritchie                                 D) Donald E Knuth
95. Which one of the following is the fastest memory inside a computer ?  
A) Cache memory                                 B) RAM  
C) Secondary memory                             D) Register memory
96. Which of the following is not an input device of a computer system ?  
A) Keyboard                                        B) Mouse  
C) Printer    D) Microphone
97. Which among the following is the agency designated to respond to incidents related to computer security in India as part of the Information Technology (Amendment) Act, 2008 ?  
A) CERT-In                      B) NCB                      C) NIA                      D) CBI
98. Which of the following is used as a language for designing web pages ?  
A) HTTP                      B) HTML                      C) SSL                      D) SMTP
99. In binary number system, decimal number 16 is represented as \_\_\_\_  
A) 01011                      B) 01111                      C) 11111                      D) 10000
100. The parent company of Google founded in 2015 by the owners of Google is  
A) Amazon    B) Alphabet Inc.  
C) Netflix    D) SAP



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Space for Rough Work



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Space for Rough Work