

23/2019 - T

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

Total Number of Questions : 100

Time : 75 Minutes

Maximum Marks : 100

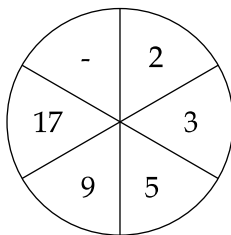
INSTRUCTIONS TO CANDIDATES

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 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.

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1. $\sqrt{6.25} \times \sqrt{0.000001} \times \sqrt{0.0036} =$
(A) 0.015 (B) 0.000015 (C) 0.0015 (D) 0.00015
2. The H C F of two numbers is 15 and their L C M is 900. If one of number is 60, then the other is :
(A) 135 (B) 225 (C) 125 (D) 175
3. Time in a clock is 10.25. What is the angle between hour hand and minute hand ?
(A) 95° (B) 105° (C) 100° (D) 110°
4. A metallic right circular cone of volume $288 \pi \text{ cm}^3$ is melt into sphere. What is surface area of the sphere ?
(A) $144 \pi \text{ cm}^2$ (B) $124 \pi \text{ cm}^2$ (C) $136 \pi \text{ cm}^2$ (D) None of these
5. A train 250 m long is moving at a speed of 86 km/hr. In how much time will it take to cross a man coming from the opposite direction at a speed of 4 km/hr ?
(A) 12 seconds (B) 14 seconds (C) 10 seconds (D) 16 seconds
6. If 7 men or 12 women can complete a work in 25 days. How many days take to finish same work with 21 men and 24 women ?
(A) 10 days (B) 5 days (C) 12 days (D) 15 days
7. Anil and Rahim deposited same amount of money for three years in a Bank. Anil deposited at 10% simple interest and Rahim deposited at 10% compound interest. After 3 years Rahim got ₹ 1550 more than that of Anil. How much amount they deposited ?
(A) ₹ 50,000 (B) ₹ 25,000 (C) ₹ 30,000 (D) ₹ 40,000
8. If 11th July 2013 is Thursday, then December 2016 is :
(A) Sunday (B) Saturday (C) Monday (D) Tuesday
9. If $A : B = 4 : 3$, $B : C = 6 : 10$ then $A : B : C$ is :
(A) $8 : 6 : 10$ (B) $4 : 6 : 10$ (C) $4 : 3 : 10$ (D) $8 : 3 : 10$
10. $\sqrt{3}^n = 8n$ then $n = \dots\dots\dots$
(A) 4 (B) 2 (C) 8 (D) 16

11. A man eat 28 kg fruits in a week. Find out his average :
 (A) 5 (B) 7 (C) 3 (D) 4
12. Anu is the daughter of Manu. Seetha is the wife of Manu. Vivek is the son of Seetha. How Anu is related to Vivek ?
 (A) Father (B) Mother (C) Son (D) Sister
13. Nose is to smell as Ear is to :
 (A) Vision (B) Hearing (C) Taste (D) Touch
14. Arun walks 1 km to East and then turns to South and walks 5 km. Again he turns to East and walk 2 km. After this he turns to north and walk 9 km. How far is Arun from the starting point ?
 (A) 4 km (B) 6 km (C) 9 km (D) 5 km
15. If HOUSE is coded as USHOE, then how will TABLE be coded :
 (A) BLTAE (B) ETALB (C) TABLE (D) LABTE
16. Pick the odd man out.
 (A) Ant (B) Bee (C) Spider (D) Moth
17. In a month of 30 days, the first day of the month is Monday, then the last day of the month is :
 (A) Tuesday (B) Wednesday (C) Thursday (D) Friday
18. Insert the missing number from the following :



- (A) 30 (B) 32 (C) 34 (D) 33
19. In a class of 20 students, 19 get an average of 42 marks. If the remaining student get 62 marks. The average mark of the whole class is :
 (A) 40 (B) 43 (C) 45 (D) 48

20. How many 8's are immediately preceded by 5 but not immediately followed by 3 are there in the following series ?
832857265848376382856385
(A) 4 (B) 2 (C) 6 (D) 3
21. Which one is an example for Multiple fruit ?
(A) Mango (B) Strawberry (C) Pineapple (D) Bean
22. In which of the following Organ Urea, an excretory product is synthesised in our body ?
(A) Kidney (B) Liver (C) Small Intestine (D) Stomach
23. In which of the following tissue 'Haversian canal' can be seen ?
(A) Nerve (B) Muscle
(C) Bone (D) Adipose tissue
24. During Strenuous exercise the muscles do not get sufficient oxygen to meet its energy needs and also there is an accumulation of an acid. This causes muscle fatigue. Which is that acid ?
(A) Lactic acid (B) Carbonic acid
(C) Formic acid (D) Phosphoric acid
25. Glucose and fructose have the same chemical formula, $C_6H_{12}O_6$. But fructose is different from glucose in having which of the following functional group ?
(A) Aldehyde group (B) Ketone group
(C) Carboxyl group (D) Phenol group
26. Usually Lime pickle is not stored in aluminium vessels, because an acid present in lime reacts with aluminium, produces a gas. The gas produced is :
(A) Carbon dioxide (B) Hydrogen (C) Chlorine (D) Nitrogen
27. Choose from the following, a chemical substance that added for getting Yellow colour to food material :
(A) Erythrosine (B) Vanillin (C) Phosphoric acid (D) Tartrazine
28. On an examination an Ophthalmologist prescribed to wear optical having concave lens. What will be the defect of eye ?
(A) Myopia (B) Presbyopia
(C) Astigmatism (D) Hypermetropia

29. In a kerosene lamp the oil rise up along the wick due to capillary action. This capillary rise occurs when :
- (A) The adhesive force is greater than cohesive force
 (B) The adhesive force is less than cohesive force
 (C) The adhesive force is equal to cohesive force
 (D) All of the above
30. When small to moderate earthquakes occur certain sound waves are produced. Even though certain animals respond to it, we can't hear this. This is because, in this case :
- (A) Sound waves of greater than 20000 Hz are produced
 (B) Sound waves of 20 Hz to 20000 Hz are produced
 (C) Sound waves of less than 20 Hz are produced
 (D) None of the above
31. Which country recently lifted the ban against car driving by women ?
- (A) Saudi Arabia (B) Pakistan (C) Bangladesh (D) Iraq
32. What is Gaganyaan ?
- (A) The national mission of cleaning the sacred river Ganga
 (B) The human space flight programme to be launched around 2022
 (C) The complete digitalization of banking industry in 2019
 (D) A campaign to seek elimination of open defecation
33. Which among the following states has the credit of first state to provide digitally signed land record receipts ?
- (A) Kerala (B) Tamil Nadu
 (C) Maharashtra (D) West Bengal
34. *Village Rockstars*-the film which won many national and international awards and made Oscar entry for best foreign language film is originally created in :
- (A) English language (B) Bhojpuri language
 (C) Kamrupi Assamese language (D) Hindi language
35. The Odakkuzhal award of 2018 is given to the book :
- (A) Chandranodoppam (B) Malayala novalinte desakalanga
 (C) Aymanam Johninte Kathakal (D) Oro Jeevanum Vilappettathanu
36. Arif Alivi sworn recently as Pakistan's _____ President.
- (A) 10th (B) 11th (C) 12th (D) 13th

37. Which world leaders made a land mark meeting at Helsinki Summit 2018 ?
 (A) Donald Trump and Vladmir Putin
 (B) Donald Trump and Kim-Jong-Un
 (C) Narendra Modi and Imran Khan
 (D) Xi Jinping and Donald Trump
38. Which Andaman Nicobar island tribe is considered more isolated and hostile to outsiders in the wake of recent events ?
 (A) The Great Andamanese (B) Onge
 (C) Sentinelese (D) Jarawa
39. The first Indian to win Badminton World Federation World Tour Finals is :
 (A) P.V. Sindhu (B) Saina Nehwal
 (C) Srikanth Kidampi (D) Pullela Gopichand
40. Jamal Khashoggi the well-known journalist who was killed recently in Saudi Arabia's consulate in Istanbul worked for :
 (A) The Newyork Times (B) The Washington Post
 (C) Al Jazeera (D) Time
41. In Census 2011 the Male literacy rate in India :
 (A) 82.14% (B) 65.46% (C) 93.91% (D) 91.58%
42. "Alang" is the Worlds largest ship recycling unit situated in the state of :
 (A) West Bengal (B) Andhra Pradesh
 (C) Gujarath (D) Tamil Nadu
43. Who is considered to be the founder of the city of Amritsar ?
 (A) Guru Amardas (B) Guru Tej Bahadur
 (C) Guru Hargobind (D) Guru Ramdas
44. The Mughal Princess Zeb-Un-Nissa wrote her works under the Pseudonym of :
 (A) Momin (B) Ghalib (C) Zauq (D) Makhfi
45. Dasholi Grama Swarajya Sangh was the first environment movement in India started by :
 (A) Amrita Devi (B) Chandi Prasad Bhatt
 (C) Medha Patker (D) Sundarlal Bahuguna

46. Which is the cleanest city in India in the Swatchh Bharat Survey 2018 ?
 (A) Pune (B) Ahmedabad (C) Indore (D) Bhubaneswar
47. The state animal of Sikkim is :
 (A) Mithun (B) Red Panda
 (C) Ox (D) One Horned Rhinoceros
48. The social reformer popularly known as "Lincoln of Kerala" :
 (A) Pandit Karuppan (B) Vagbadananda
 (C) Ayyankali (D) None of these
49. Who is regarded as the father of Indian History ?
 (A) Kautilya (B) Fah Sien
 (C) Aryabhatta (D) Megasthenese
50. The height of the Agasthyarkoodam peak in the Western Ghat :
 (A) 1868 Mtr. (B) 2695 Mtr. (C) 2640 Mtr. (D) 1505 Mtr.
51. The study of inland aquatic ecosystem is called :
 (A) Hydrology (B) Potomology
 (C) Limnology (D) Oceanography
52. The language born as a result of integration between Hindavi and Persian is :
 (A) Sanskrit (B) Urdu (C) Kashmiri (D) Sindhi
53. Who discovered the Vijayanagar site of Hampi ?
 (A) John Marshel (B) B B Lal
 (C) Colin Mackenzie (D) RD Bannerjee
54. UNESCO declared Sanchi as a World Heritage Site in the year :
 (A) 1990 (B) 1989 (C) 2018 (D) 1998
55. The famous Aikya Kerala Conference held at Thrissur in 1947 under the leadership of :
 (A) Panampilli Govinda Menon (B) Mannath Padmanabhan
 (C) EMS Namboothiripad (D) K. Kelappan

56. Which agitation demanding right to vote to the Srimoolam Assembly in Kerala ?
 (A) Nivarthana Agitation (B) Shanar Agitation
 (C) Electricity Agitation (D) None of these
57. The Viceroy who convened Simla Conference in 1945 :
 (A) Wavell (B) Lord Linlithgow
 (C) Mount Batton (D) Ramsay MacDonald
58. The first printed book in Malayalam language :
 (A) Horthus Malabaricus (B) Adyatma Ramayanam
 (C) Samkshepavedartham (D) Mahabharatha
59. Gandhi started his Dandi March from Sabarmathi to Dandi on :
 (A) 6th April 1930 (B) 13th April 1919
 (C) 26th Jan 1930 (D) 12th March 1930
60. The first Indian native ruler signed the Subsidiary Alliance System of British :
 (A) Nawab of Awadh (B) Nizam of Hyderabad
 (C) Peshwas of Maratha (D) None of these
61. The joint sitting of parliament is presided over by :
 (A) Speaker of Lok Sabha (B) President
 (C) Prime Minister (D) Chief Justice of Supreme Court
62. Identify the Political Right among the following :
 (A) Right to Work (B) Right to Leisure
 (C) Right to Life (D) Right to hold Public office
63. Which among the following Fundamental Right is called as the Heart and Soul of the Constitution by Dr. B.R. Ambedkar ?
 (A) Right to Freedom (B) Right to Constitutional Remedies
 (C) Right to Equality (D) Right against Exploitation
64. The Provision Directive Principles of State Policy in Indian Constitution is adopted from the Constitution of :
 (A) America (B) Canada (C) Ireland (D) Britain

65. As per the Constitution the executive power of State is vested in :
- (A) Chief Justice of High Court (B) Chief Minister
(C) Governor (D) Chief Secretary
66. Smallest Union Territory of India in Area is :
- (A) Daman and Diu (B) Lakshadweep
(C) Andaman and Nicobar Islands (D) Pondicherry
67. Who appoints the Chief Justice and other Judges of Supreme Court of India ?
- (A) Prime Minister (B) President
(C) Attorney General (D) Council of Ministers
68. Who is the Head of Indian Audit and Accounts Department ?
- (A) Attorney General
(B) Advocate General
(C) Comptroller and Auditor General of India
(D) Reserve Bank Governor
69. Which among the following is the institution constituted at National level to Prevent Corruption at administrative and bureaucratic level ?
- (A) Lokpal (B) Public Service Commission
(C) Lokayuktha (D) Information Commission
70. Identify the Constitutional Amendment which deleted Right to Property from the list of Fundamental Rights :
- (A) 61st Amendment (B) 42nd Amendment
(C) 73rd Amendment (D) 44th Amendment
71. *Fill in the blank* : Usually, the player who scores the highest number of goals _____ awarded the Golden Boot.
- (A) is (B) are (C) have been (D) have
72. *Fill in the blank*, if necessary : About 70% of _____ earth is covered with water.
- (A) no article necessary (B) an
(C) a (D) the

73. *Fill in the blank* : The milkmaid poured the entire milk _____ a large bottle.
 (A) in (B) to (C) into (D) onto
74. *Choose the correct reported form* : The doctor said, "Where do you live" ?
 (A) The doctor asked where I lived
 (B) The doctor asked where did I live
 (C) The doctor asked where do you live
 (D) The doctor asked where do I live
75. Had you participated/ in the workshop,/ you would have been selected to the post.
 (a) (b) (c)
Which part of the above sentence contains an error, if any ?
 (A) (a) (B) (b) (C) (c) (D) no error
76. 'to preen' means :
 (A) to insult (B) to clean (C) to learn (D) to forget
77. My loquacious room-mate goes to bed early :
Choose the option which is SYNONYMOUS with the underlined word in the above sentence.
 (A) Systematic (B) Talkative (C) Studious (D) Pious
78. "take somebody for a ride" means :
 (A) help somebody (B) deceive somebody
 (C) love somebody (D) hate somebody
79. Which among the four is the ANTONYM of "frivolous" ?
 (A) serious (B) hard-working (C) lazy (D) powerful
80. *Choose the ANTONYM of the word underlined* : Hell has no fury like a woman scorned .
 (A) respected (B) abused (C) helped (D) ridiculed

81. "இளங்கோவடிகள் சிலப்பதிகாரத்தை இயற்றினார்" - இந்த வாக்கியத்தில் சிலப்பதிகாரம் என்பது என்ன ?
- (A) எழுவாய் (B) பயனிலை
(C) செயப்படுபொருள் (D) எச்சம்
82. பிரித்தெழுதுக - செந்தமிழ்.
- (A) செ+தமிழ் (B) செம்+தமிழ்
(C) செந்+தமிழ் (D) செம்மை+தமிழ்
83. பைந்தமிழ் - இலக்கணக் குறிப்பு தருக.
- (A) வேற்றுமைத் தொகை (B) பண்புத்தொகை
(C) வினைத்தொகை (D) உம்மைத்தொகை
84. சரியான சொல் எது ?
- (A) குளந்தை (B) குலந்தை
(C) குழந்தை (D) குயந்தை
85. பொருள் தருக - கரி
- (A) ஆண் யானை (B) யானை
(C) பெண் யானை (D) குதிரை
86. 'கவிமணி' என்ற பெயரில் அறியப்படுபவர் யார் ?
- (A) பாரதியார் (B) அப்துல்ரகுமான்
(C) தேசிக விநாயகம் பிள்ளை (D) வாலி
87. 'கேரள வால்மீகி' என்ற பெயரில் அறியப்படுபவர் யார் ?
- (A) கே.எம். மாத்யூ (B) வள்ளத்தோள்
(C) எம்.கே. மோனோன் (D) M.D. வாசுதேவன் நாயர்

88. பக்திக் காப்பியமான பெரிய புராணத்தை இயற்றியவர் யார் ?
 (A) கம்பர் (B) திருநாவுக்கரசர்
 (C) திருத்தக்க தேவர் (D) சேக்கிழார்
89. 'No rain No gain' - இதற்கு இணையான தமிழ் பழமொழி எது ?
 (A) இனம் இனத்தோடு சேரும்
 (B) உழைப்பின்றால் ஊதியம் இல்லை
 (C) மாரியல்லது காரியமில்லை
 (D) பணம் பத்தும் செய்யும்
90. 'Website' - இதன் சரியான தமிழாக்கம் என்ன ?
 (A) வலைத்தளம் (B) முகநூல்
 (C) மின்னஞ்சல் (D) தட்செவி
91. Which among the following is a browser ?
 (A) Google (B) Mozilla FireFox
 (C) Yahoo (D) Bing
92. Find the odd one out :
 (A) Light Pen (B) OMR
 (C) Joy Stick (D) Printer
93. Which of the following is a free software for image editing ?
 (A) GIMP (B) Photo Line
 (C) Microsoft Paint (D) Adobe Photoshop
94. Who is known as the father of E-mail ?
 (A) Bill Gates (B) Linus Torvalds
 (C) Ray Tomlinson (D) Dennis Ritchie
95. Which is an image format ?
 (A) jpeg (B) mp3 (C) doc (D) xls

96. Expand PDF :
- (A) Portable Document Format
 - (B) Public Document File
 - (C) Portable Data File
 - (D) Program Data Format
97. Which among the following is not a High Level Programming Language ?
- (A) C++
 - (B) JAVA
 - (C) PHP
 - (D) UNIX
98. Which day is celebrated as World Computer Literacy Day ?
- (A) December 10
 - (B) October 10
 - (C) December 2
 - (D) November 2
99. Which section of IT Act, 2000 was dismissed as per Supreme Court Verdict ?
- (A) 67A
 - (B) 66A
 - (C) 78
 - (D) 65
100. Which is the Latest Version of Android Operating System ?
- (A) KitKat
 - (B) Pie
 - (C) CupCake
 - (D) Eclair

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SPACE FOR ROUGH WORK

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