

108/2025-E

Question Booklet  
Alpha Code

A

Question Booklet  
Serial Number

140449

Total No. of questions : 100

Time : 75 Minutes

Maximum : 100 Marks

**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.

SEAL

1. The binary equivalent of  $(23)_{10}$  is :  
(A) 10111 (B) 11011  
(C) 11100 (D) None of these
  
2. MICR stands for :  
(A) Magnetic Ink Character Recognition  
(B) Magnetic Ink Code Recognition  
(C) Magnetic Ink Character Reader  
(D) Magnetic Ink Code Reader
  
3. The simplification of a problem by focusing on only one aspect of the problem while omitting other aspects is called :  
(A) Abstraction (B) Decomposition  
(C) Encapsulation (D) None of these
  
4. An example for a high level language is :  
(A) Python (B) Java  
(C) C++ (D) All of these
  
5. The smallest individual unit of a C program is called :  
(A) Identifier (B) Literal  
(C) Token (D) Constant
  
6. MTTF stands for :  
(A) Mean Time To Fix (B) Mean Time To Failure  
(C) Any of the above (D) None of the above
  
7. What is Software Engineering?  
(A) Designing a software  
(B) Testing a software  
(C) Application of engineering principles to the design a software  
(D) None of the above

8. What does SDLC stands for?  
(A) System Design Life Cycle (B) Software Design Life Cycle  
(C) Software Development Life Cycle (D) System Development Life Cycle
9. Which of the following is the smallest unit of data in a computer?  
(A) Bit (B) KB  
(C) Nibble (D) Byte
10. Which of the following are physical devices of a computer?  
(A) Hardware (B) Software  
(C) System Software (D) Package
11. What is responsible for creating a process from a program?  
(A) Operating System (B) Web  
(C) Internet (D) Firewall
12. Multiprogramming is mainly accomplished by :  
(A) Operating system (B) Software  
(C) Hardware (D) Program
13. Who is the father of Computers?  
(A) James Gosling (B) Charles Babbage  
(C) Dennis Ritchie (D) Bjarne Stroustrup
14. The first generation of computers used which technology?  
(A) Transistors (B) Integrated circuits  
(C) Vacuum tubes (D) Microprocessors
15. Multimedia comprises of  
(A) Audio (B) Video  
(C) Audio and Video (D) None of these
16. If an image has a width of 4 inch and aspect ratio of 3:2, then what is its height?  
(A)  $16/3$  (B)  $8/3$   
(C)  $4/3$  (D)  $2/3$

17. SVGA stands for :
- (A) Super Video Graphics Array (B) Standard Video Graphics Array  
(C) Stereo Video Graphics Array (D) Super Video Graphics Amplifier
18. WAP stands for :
- (A) Wireless Application Program (B) Wireless Application Protocol  
(C) Wireless Application Parts (D) Wireless Application Portal
19. In which of the following four necessary conditions for deadlock processes claim exclusive control of the resources they require?
- (A) no preemption (B) mutual exclusion  
(C) circular wait (D) hold and wait
20. Thread is a :
- (A) Light weight process (B) Heavy weight process  
(C) Multi-process (D) I/O Process
21. Which statement is true about Java?
- (A) Java is a sequence-dependent programming language  
(B) Java is a code dependent programming language  
(C) Java is a platform-dependent programming language  
(D) Java is a platform-independent programming language
22. What is the extension of compiled java classes?
- (A) .txt (B) .js  
(C) .class (D) .java
23. What is the numerical range of a char data type in Java?
- (A) 0 to 256 (B) -128 to 127  
(C) 0 to 65535 (D) 0 to 32767
24. In which of the following is toString() method of Java defined?
- (A) java.lang.Object (B) java.lang.String  
(C) java.lang.util (D) None of these

25. Which type of loop in programming always executes its body at least once, even if the condition is initially false?
- (A) For loop (B) While loop  
(C) Do-while loop (D) Foreach loop
26. A program that translates assembly language code into machine code :
- (A) Compiler (B) Interpreter  
(C) Assembler (D) None of these
27. What does PHP stand for
- (A) PHP stands for Preprocessor Home Page  
(B) PHP stands for Pretext Hypertext Processor  
(C) PHP stands for Hypertext Preprocessor  
(D) PHP stands for Personal Hyper Processor
28. Which variable is used to collect form data sent with both the GET and POST methods in PHP?
- (A) \$\_BOTH (B) \$REQUEST  
(C) \$\_REQUEST (D) \$BOTH
29. What type of language is PHP?
- (A) Server - side scripting (B) Client - side scripting  
(C) User-side scripting (D) None
30. Which application in MS Office is used to create documents and letters?
- (A) Microsoft Teams (B) Microsoft Access  
(C) Microsoft Excel (D) Microsoft Word
31. What is the purpose of the "SmartArt" feature in Microsoft Office?
- (A) To create visually appealing diagrams and graphics  
(B) To insert charts and graphs  
(C) To add animations to slides  
(D) To edit images

32. What is 'xyz' in the following SQL statement?

SELECT abc FROM xyz;

- (A) database name (B) row name  
(C) table name (D) column name

33. What is the role of "CONSTRAINTS" in defining a table in MySQL?

- (A) Declaring Foreign Key (B) Declaring primary key  
(C) Restrictions on columns (D) All of the mentioned

34. Which clause is similar to the 'HAVING' clause in MySQL?

- (A) FROM (B) WHERE  
(C) SELECT (D) None of the mentioned

35. Which of the following is a DDL command?

- (A) Create (B) Insert  
(C) Select (D) Delete

36. Which of the following is not a positional number system?

- (A) Roman Number System (B) Octal Number System  
(C) Binary Number System (D) Hexadecimal Number System

37. ASP.NET is a \_\_\_\_\_.

- (A) Client-Side technology (B) Server-side technology  
(C) Both (D) None

38. Choose the port Number of FTP :

- (A) 23 (B) 46  
(C) 21 (D) 110

39. Which e-commerce model involves that sale of goods or services from businesses to the general public?

- (A) Business to Government (B) Business to Consumer  
(C) Business to Business (D) Consumer to Business

40. Which of the following is/are considered examples of the Consumer to Consumer (C2C) model?
- (A) Amazon.com (B) e-bay  
(C) Rentalic.com (D) All of the above
41. How many layers are there in the ISO OSI reference model?
- (A) 7 (B) 5  
(C) 4 (D) 6
42. Which of the following devices forwards packets between networks by processing the routing information included in the packet?
- (A) firewall (B) bridge  
(C) hub (D) router
43. Which type of network shares the communication channel among all the machines?
- (A) Anycast network (B) Multicast network  
(C) Unicast network (D) Broadcast network
44. Which of the following maintains the Domain Name System?
- (A) a single server (B) a single computer  
(C) distributed database system (D) none of the mentioned
45. Which HTML tag is used to insert an image?
- (A) `<img url="htmllogo.jpg" />` (B) `<img alt="htmllogo.jpg" />`  
(C) `<img scr="htmllogo.jpg" />` (D) `<img link="htmllogo.jpg" />`
46. Among the following, which is the HTML paragraph tag?
- (A) `<p>` (B) `<pre>`  
(C) `<hr>` (D) `<a>`
47. Linking to another section of the same page is called :
- (A) Internal linking (B) External linking  
(C) Informal linking (D) Formal linking.

48. By which of the following can the if-else statement be replaced?
- (A) Bitwise (B) Logical  
(C) Conditional (D) Arithmetic
49. Which of the following is the correct extension of the Python file?
- (A) .python (B) .pl  
(C) .py (D) .p
50. Which of the following character is used to give comments in Python?
- (A) // (B) #  
(C) ! (D) /\*
51. What will be the output of the following Python code snippet if  $x = 1$ ?
- ```
x << 2
```
- (A) 4 (B) 2  
(C) 1 (D) 8
52. DigiLocker is a flagship initiative of which Ministry :
- (A) Ministry of Earth Sciences  
(B) Ministry of Electronics and IT  
(C) Ministry of External Affairs  
(D) Ministry of Finance
53. UIDAI is a statutory authority established to issue Aadhar, UIDAI stands for :
- (A) Bharat Udai Yojana  
(B) Unique Identification Data Authority of India  
(C) Unique integrated Development Authority of India  
(D) Unique Identification Authority of India
54. What does SEO stand for in the context of web development?
- (A) Search Engine Optimization  
(B) Social Engagement Outreach  
(C) Site Enhancement Operation  
(D) Secure Email Organization

55. What does the term "WYSIWYG" stand for in the context of CMS content editing?
- (A) What You See Is What You Go
  - (B) Where You Start Is Where You Get
  - (C) What You See Is What You Get
  - (D) What You Search Is What You Generate
56. \_\_\_\_\_ is not suitable for accommodating any change.
- (A) RAD Model
  - (B) Waterfall Model
  - (C) Build and Fix Model
  - (D) Prototyping Model
57. Quality Management is known as :
- (A) SQI
  - (B) SQA
  - (C) SQM
  - (D) SQA and SQM
58. Malware stands for :
- (A) Multipurpose software
  - (B) Malicious software
  - (C) Mal functioning of security
  - (D) Mal functioned software
59. DNS translate domain name to :
- (A) IP Address
  - (B) Hex
  - (C) Binary
  - (D) URL
60. Which of the following is considered as the unsolicited commercial email?
- (A) Virus
  - (B) Malware
  - (C) Spam
  - (D) All of the above
61. Choose the default port number for Apache and other web servers :
- (A) 20
  - (B) 27
  - (C) 80
  - (D) 87
62. What is DBMS?
- (A) DBMS is a collection of queries
  - (B) DBMS is a high-level language
  - (C) DBMS is a programming language
  - (D) DBMS stores, modifies and retrieves data

63. Which of the following is not an example of DBMS?
- (A) MySQL (B) Microsoft Access  
(C) IBM DB2 (D) Google
64. What is information about data called?
- (A) Hyper data (B) Tera data  
(C) Meta data (D) Relations
65. \_\_\_\_\_ is a set of one or more attributes taken collectively to uniquely identify a record.
- (A) Primary Key (B) Foreign key  
(C) Super key (D) Candidate key
66. Which command is used to remove a relation from an SQL?
- (A) Drop table (B) Delete  
(C) Purge (D) Remove
67. The logical design, and the snapshot of the data at a given instant in time is known as
- (A) Instance and Relation (B) Relation and Schema  
(C) Domain and Schema (D) Schema and Instance
68. What is row of a relation known as?
- (A) Degree (B) Entity  
(C) Tuple (D) None
69. Which is AS clause used for in SQL?
- (A) Rename (B) Selection  
(C) Join (D) Projection
70. Which is the lowest level of abstraction that describes how the data are actually stored?
- (A) Physical (B) Abstract  
(C) View (D) User

71. Choose the right word :

We were accepted as devotees after a \_\_\_\_\_ of initiation.

- (A) Right (B) Write  
(C) Rite (D) Wright

72. Complete the proverb: "Empty vessels \_\_\_\_\_".

- (A) make the most noise (B) make more sound  
(C) makes more sound (D) makes the most noise

73. Find out the adjective in the following sentence

She is a smart girl :

- (A) She (B) is  
(C) smart (D) girl

74. 'Meena said, "Rita, lock the door." can be reported as :

- (A) Meena said Rita lock the door (B) Meena told Rita to lock the door  
(C) Meena asked Rita to unlock the door (D) Rita told Meena to lock the door

75. Fill in the blanks choosing the correct option :

He \_\_\_\_\_ in Mumbai since 2020.

- (A) is living (B) lives  
(C) has lived (D) has been living

76. Add suitable question tag.

I am smart, \_\_\_\_\_

- (A) am I? (B) amn't I?  
(C) aren't I? (D) is I?

77. Choose the right article

This is \_\_\_\_\_ best picture I have ever seen.

- (A) the (B) a  
(C) an (D) one

78. Fill in the blanks choosing the correct prepositions:

He lives \_\_\_\_\_ Thana \_\_\_\_\_ Maharashtra.

- (A) at, in (B) in at  
(C) in, in (D) in, on

79. Substitute the idiom for the words underlined

The Miss Universe winner was delighted.

- (A) at full speed (B) Alice in wonderland  
(C) between the devil and the deep sea (D) like a dog with two tails

80. What is the collective noun of owls?

- (A) troop (B) colony  
(C) parliament (D) school

81. If  $a:b=1:3$  and  $b:c=2:5$ , what is  $a:c$  ?  
 (A) 1 : 5 (B) 2 : 15  
 (C) 6 : 10 (D) 3 : 10
82. What is the sum of the first 13 odd numbers?  
 (A) 169 (B) 182  
 (C) 91 (D) 131
83. 6% of a number is 30. Then 25% of that number is :  
 (A) 375 (B) 250  
 (C) 500 (D) 125
84. A man deposited 1000 rupees in a bank for 1 year and he got back 1110 rupees. Then the rate of interest is :  
 (A) 11% (B) 1%  
 (C) 100% (D) 10%
85. Sum of 5 consecutive even numbers is 90. Then the middle number is :  
 (A) 24 (B) 14  
 (C) 18 (D) 45
86. The decimal form of  $\frac{1}{2} + \frac{1}{4} + \frac{1}{8}$  is :  
 (A) 0.125 (B) 0.875  
 (C) 0.75 (D) 0.625
87. Two concentric circles are with radii 10 cm and 12 cm. Then the area between the two circles is :  
 (A)  $22\pi$  (B)  $2\pi$   
 (C)  $4\pi$  (D)  $44\pi$
88. What is the next number in the sequence, 13, 26, 78, 312,.....?  
 (A) 1760 (B) 1560  
 (C) 1660 (D) 1860
89. One is asked to say a two digit number. What is the probability of both digits being the same?  
 (A)  $\frac{9}{10}$  (B)  $\frac{1}{9}$   
 (C)  $\frac{1}{10}$  (D)  $\frac{2}{9}$
90. A person walks 8 metres towards west, then turns right and travels 6 metres. Then how many metres is he from the starting point?  
 (A) 14 m (B) 2 m  
 (C) 7 m (D) 10 m

91. Which temple in Kerala is famous for its elephant sanctuary and is dedicated to Lord Guruvayurappan?  
 (A) Guruvayur (B) Sabarimala  
 (C) Thrissur Vadakkunnathan (D) Malayattur
92. Which temple festival in Kerala is known for its unique ritual of "Velakali"?  
 (A) Thrissur Pooram  
 (B) Guruvayur Festival  
 (C) Sabarimala Festival  
 (D) Chengannur Mahadeva Temple Festival
93. What is the typical architectural style of temples in Kerala known as?  
 (A) Dravidian (B) Nagara  
 (C) Vesara (D) Kerala Dravida
94. Which Act governs the administration of Hindu temples in Kerala?  
 (A) Kerala Hindu Religious Institutions Act, 1965  
 (B) Travancore Cochin Hindu Religious Institutions Act, 1950  
 (C) Madras Hindu Religious Endowments Act, 1951  
 (D) Kerala temples (Administration and Welfare) Act, 2018
95. Who was vyasas father?  
 (A) Narada (B) Parasara  
 (C) Vasistha (D) Lord Brahma
96. Who was the propounder of Dvaita Philosophy?  
 (A) Ramanuja (B) Vallabha  
 (C) Chaitanya (D) Madhva
97. Which movement was the first major mass agitation demanding the entry of lower castes into Hindu temples and surrounding roads?  
 (A) Vaikom Satyagraha (B) Brahma samaj  
 (C) Arya samaj (D) Revolt of 1857
98. Which Upanishad is associated with the story of Nachiketa and Yama?  
 (A) Katha Upanishad (B) Mandukya Upanishad  
 (C) Isha Upanishad (D) Taittiriya Upanishad
99. Which of the following Puranas is considered the most important?  
 (A) Markandeya Purana (B) Vishnu Purana  
 (C) Bhagavata Purana (D) Shiva Purana
100. Which of the following temples comes under the Malabar Devasom Board?  
 (A) Sabarimala Temple (B) Guruvayoor Temple  
 (C) Kottiyoor Temple (D) Vadakkunnathan Temple