

	Computer Studies (331) (E)	
Computer Studies	BOARD QUESTION PAPER-5	Standard-12
Time : 2 Hours	May 2021	Total Marks : 100

Instructions :

- (1) There are 100 questions in this question paper. All questions are compulsory.
- (2) Select proper option to make correct statement.
- (3) The OMR sheet is given for answering the questions. The answer of each question is represented by (A) ○, (B) ○, (C) ○, (D) ○. Darken the circle ● of the correct answer with ball-pen.
- (4) Each question carries 1 mark.
- (5) Rough work is to be done on the space provided for this purpose in the Test Booklet only.
- (6) Read the questions carefully before you answer.
- (7) Set No. of question paper printed on the uppermost right side of the question paper is to be written in the column provided in the OMR sheet.

1. Which of the following is a one-dimensional data structure that can be used to store list of items like characters, numbers?
(A) vector (B) matrix (C) row (D) column
2. Which type of <input> element is generally used to select a single item from a given group of items in HTML form?
(A) Radio (B) Checkbox (C) Password (D) Submit
3. In the structure of Java program, what is used as a place holder?
(A) Text in < > brackets (B) Text in { } brackets
(C) Text in () brackets (D) Text in [] brackets
4. Which of the following commands is used for viewing some demonstrations in 'R' software?
(A) help () (B) help (function name) (C) demo() (D) is ()
5. Which type of Java comment is usually used to have more than one line as comments?
(A) Single-line comment (B) Keyword comment
(C) Multi-level comment (D) Multi-line comment
6. Which of the following is an event handler of 'Submit' event?
(A) Submit() (B) Submiton() (C) Onsubmit() (D) Offsubmit()
7. In Java, which of the following syntax is used to declare a variable?
(A) <variable-name> {type-name}; (B) <type-name> {variable-names};
(C) <variable-names> <type-name>; (D) <class-name> <type-name>;
8. In Java, which of the following is a valid example of octal number?
(A) 037 (B) 0 × 2A (C) -59 (D) \400E9
9. Which of the following is not an important point to be considered for developing a good website as part of planning process?
(A) Input (B) Purpose (C) Audience (D) Content
10. What is the full form of ISP?
(A) Internet Service Provider (B) International Security Provider
(C) Internal Security Protection (D) Information Service Protocol

11. Which of the following is not an example of Open Source IDEs?
(A) KompoZer (B) Eclipse (C) JavaScript (D) NetBeans
12. In which kind of programming, the focus is on writing functions or procedures which operate on data?
(A) Procedural (B) Sequential (C) Logical (D) Object oriented
13. Which of the following provides a web page editor which has a simple graphical interface 'WYSIWYG'?
(A) Site Manager (B) Composition Toolbar
(C) KompoZer (D) Status Bar
14. In the conditional operator of Java, which symbols are used in the expression to delimit three operands?
(A) ?: (B) +\$ (C) #\$ (D) +%
15. Which of the following methods does element by element comparison in a serial fashion?
(A) Binary Search (B) Linear Search
(C) Random Search (D) Numerical Search
16. In Java, what is the size of row in following array?
`int marks [] [] = new int [4] [3];`
(A) 3 (B) 12 (C) 7 (D) 4
17. With the help of which business model, the manufacturer can quickly communicate to the supplier about diminishing stock products?
(A) C2C (B) C2B (C) 13213 (D) 132C
18. Which kind of Java class variables are allocated memory from heap area when an object is created?
(A) Local variables (B) Class variables
(C) Instance variables (D) Static variables
19. In HTML form, which method allows only a limited amount of information to be sent at a time?
(A) NET (B) SET (C) POST (D) GET
20. In Java, which keyword is used to define class?
(A) new (B) class (C) static (D) auto
21. In E-Commerce, which of the following are defined based on the parties involved and the type of business activities or services provided?
(A) templates (B) websites (C) e-Books (D) Business Models
22. In Java, which keyword is used to define class methods?
(A) class (B) new (C) int (D) static
23. Which of the following is the process of buying and selling products or services by offering the customers to bid the price and selling the product to the highest bidder?
(A) Marketing and Selling (B) Information Services
(C) Auction (D) Support Services

24. In 1-D array of Java, which of the following symbols is used to separate elements in a pair of { } braces?
(A) Comma (B) Plus (C) Underscore (D) Space
25. In Java, which of the following is a special kind of method that is invoked when a new object is created?
(A) Constructor (B) Heap
(C) Garbage collector (D) Visibility modifier
26. In Java, which of the following are useful when same operations are to be performed on various elements of the similar type?
(A) Arrays (B) Variables (C) Characters (D) String
27. Which of the following is used to control the font types, font and element colors, pad spaces, margins and element positions in our website?
(A) CSS (B) JavaScript
(C) HTML Functions (D) Event Handler
28. In Java, which methods can be used to define behaviour of an object?
(A) Class Methods (B) Instance Methods
(C) Local Methods (D) Global Methods
29. How many arguments are required to fill partial array in Java?
(A) 3 (B) 4 (C) 2 (D) 1
30. In which kind of websites, any Internet user can become a Vendor or Purchaser?
(A) B2C (B) C2C (C) B2B (D) C2B
31. In web browser, where will the title be displayed?
(A) Composition Toolbar (B) Status bar
(C) Title bar (D) Menu bar
32. Which are the examples for data abstraction in C++/ Java?
(A) Structures (B) Abstract Data Types
(C) Classes (D) Objects
33. Which of the following is a collection of interlinked web pages for a specific purpose?
(A) Block (B) Website (C) Medium (D) Content
34. Which of the following symbols represents basic aggregation in object-oriented concept?
(A) Filled diamond (B) Empty diamond
(C) Arrow pointing to sub class (D) Arrow pointing to super class
35. 'www.myntra.com' is an example of which area of E- Commerce activities?
(A) Online Auction (B) Marketing and Selling
(C) Support Services (D) Information Services
36. In KompoZer, in 'Form Field Properties' dialog box which of the following options are available for Text field type?
(A) Form Name, Action URL (B) Field Name, Field Value
(C) Field Name, Initial Value (D) Group Name, Field Value

37. Which of the following is the integration of wireless networks accessed through handheld devices and Internet?
- (A) L-Commerce (B) M-Commerce
(C) E-Commerce (D) Traditional commerce
38. In KompoZer, which menu option is used to publish a website?
- (A) File → Upload (B) Uploads → File
(C) Edit → Publish (D) File → Publish
39. Which of the following is used to help the visitors of the website to input data?
- (A) CSS (B) HTML forms (C) Interpreter (D) Debugger
40. Which of the following services is not an example of information services?
- (A) Students can view their results using website
(B) Educational institutes can provide examination schedule
(C) Notices or reminders sent to the customers by companies or banks
(D) BSNL sends online bills to customer
41. Which of the following techniques relies on the separation of interface and implementation?
- (A) Encapsulation (B) Polymorphism (C) Data Abstraction (D) Inheritance
42. In Java, what are used to choose among two or more possible courses of action?
- (A) Loops (B) Variables (C) Class (D) Branches
43. Which of the following is generated by the browser due to interaction between the user and the web page?
- (A) Function (B) Event (C) Variable (D) Focus Method
44. Which of the following is an advantage of E-Commerce?
- (A) Lack of trust (B) Resistance to change
(C) Lower cost (D) Security
45. In KompoZer, which menu option is used to insert a label in form?
- (A) File → Insert → Label (B) Insert → Form → Define Label
(C) Edit → Insert Label (D) New → Define Label
46. Which kind of content provides an overview of the site, organization, products and services and other items?
- (A) General (B) Detailed (C) Short (D) Long
47. Which internet security threat can also affect a network, send messages through email and steal information or cause even more damage by deleting files?
- (A) Denial of Service attack (B) Malicious Code
(C) Spoofing (D) Cyber Vandalism
48. What is the default data type of floating point literal?
- (A) long (B) boolean (C) double (D) char
49. In Java, what is used whenever two classes have 'is-a' relationship?
- (A) Composition (B) Aggregation (C) Encapsulation (D) Inheritance

50. In which kind of commerce, the businesses have to compete within a single industry and limited geographical area?
- (A) E-Commerce (B) M-Commerce
(C) L-Commerce (D) Traditional Commerce
51. When methods of the super class and subclass have same name and signature, what are they called?
- (A) Overloaded methods (B) Overridden methods
(C) Abstracted methods (D) Local methods
52. In VLC media player, which menu option is used to convert multimedia files from one format to another?
- (A) Media → Convert/ Save (B) File → Save as
(C) File → Convert (D) Media → Save File as
53. In Java, in which step of creating an object, constructor is called to initialize the newly created object?
- (A) Declaration (B) Modification (C) Instantiation (D) Initialization
54. 'Library has a room', is an example of which of the following Java Properties?
- (A) Inheritance (B) Data Abstraction
(C) Aggregation (D) Polymorphism
55. Which business model has gained a high popularity amongst consumers due to simplified and fast way to buy products?
- (A) B2C (B) C2C (C) C2B (D) B2B
56. In Java, which of the following classes contains methods like sort () and fill ()?
- (A) java.lang (B) Arrays.java (C) java.util.Arrays (D) util.Arrays
57. What is the full form of PDA?
- (A) Personal Digital Assistant (B) Private Digital Access
(C) Public Device Assistant (D) Personal Device Access
58. Which of the following is a reusable block of code that performs a particular task in JavaScript?
- (A) Variable (B) Event (C) Selector (D) Function
59. Which of the following tab is not available in 'CSS Stylesheets' dialog box?
- (A) Background (B) Borders (C) Box (D) Rules
60. In Java, which level of protection is used to allow the access only to subclasses or to share with the methods declared as "friend"?
- (A) Public (B) Private (C) Protected (D) Package
61. In JavaScript, which of the following statements will return 'True'?
- (A) isNaN (5670) (B) isNaN (123)
(C) isNaN (2021) (D) isNaN ("Hello")

63. Which Internet security threat is the electronic defacing of an existing website page?
(A) Sniffing (B) Spoofing
(C) Cyber Vandalism (D) Malicious Code
64. Which of the following represents exclusive relationship between two classes?
(A) Inheritance (B) Composition (C) Aggregation (D) Structure
65. In KompoZer, in which viewing mode of Edit Mode Toolbar the scripts do not run and links do not operate?
(A) Preview (B) Normal View
(C) HTML Tags View (D) Design
66. Which of the following menu options is used to open VLC media player?
(A) Applications → Sound and Video
(B) Applications → Open VLC player
(C) Applications → Accessories → VLC player
(D) Accessories → Applications → VLC media player
67. In switch statement of Java, which statement is executed when no match is found?
(A) Break (B) Default (C) Continue (D) Case
68. In 'Table properties' dialog box, which option of Table tab is used to align the table as left, centre or right?
(A) Caption (B) Size
(C) Table Alignment (D) Borders and Spacing
69. Which part of CSS rule is the HTML element on which style can be applied?
(A) Selector (B) Property (C) Value (D) Event
70. Which of the following can add interactivity to HTML pages and is inserted directly into the HTML code?
(A) CSS (B) JavaScript (C) Style Rule (D) Internal Sheet
71. Which of the following allows hiding information in a totally invisible manner?
(A) Steganography (B) Trademark (C) Domain name (D) Watermark
72. Which of the following is the default view of Google map?
(A) Satellite view (B) Map view (C) 3 D view (D) Building view
73. Which of the following is a device placed between the network and the Internet to monitor and control the traffic between the company's local network and the outside world?
(A) Firewall (B) Antivirus Software
(C) Malicious Code (D) Watermark
74. Which of the following is the general syntax of CSS?
(A) Selector {Value: Property} (B) Property {Selector: Value}
(C) Selector{ Property: Value} (D) Value { Selector: Property}

74. Which of the following constructors can create a string object with its initial value using 'ary' argument?
- (A) string () (B) string (string strobj)
(C) string (string literal) (D) string (char ary [])
75. In object-oriented system, which of the following concepts enables to express the set of objects that are abstractly equivalent, differing only in the values of their attributes?
- (A) Attribute (B) Method (C) Object (D) Class
76. In KompoZer, which dialog box will be opened when we select Form → Selection List menu option?
- (A) Selection List Properties (B) Select Properties
(C) Selection List Options (D) Selector List
77. In 1-D array of Java, which property is used to know size of each row?
- (A) size (B) float (C) length (D) width
78. Which of the following provides the author with a tool to protect his original work from being used or taken by others without permission?
- (A) Copyright (B) Trademark (C) Steganography (D) SSL
79. Which of the following names is given to the existing class in object-oriented terminology?
- (A) Super Class (B) Sub Class (C) Child Class (D) Derived Class
80. Which of the following Rational Plan products, is an additional tool developed to share the project in its original file format?
- (A) Rational Plan Single (B) Rational Plan Multi
(C) Rational Plan List (D) Rational Plan Viewer
81. Which of the following is a valuable tool for businesses and other organizations when composed of the right material?
- (A) Audience (B) Content (C) Website (D) Web browser
82. In KompoZer, which toolbar is used to create new file, open a file, save a file or publish a web page?
- (A) Status Bar (B) Edit Mode Toolbar
(C) Format Toolbar (D) Composition Toolbar
83. In KompoZer, which of the following attributes are used to specify the size of a textarea element?
- (A) Select, Option (B) Action, Method
(C) Action URL, Method (D) Rows, Cols
84. Which of the following terms means 'Many forms' in object oriented concept?
- (A) Aggregation (B) Composition
(C) Encapsulation (D) Polymorphism
85. Which of the following tab is available in 'Advanced Property Editor' dialog box?
- (A) Settings (B) General
(C) JavaScript Events (D) Text

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86. Which of the following elements is used to create a drop down list or menu in a form?
(A) option (B) select (C) textarea (D) input
87. In which tab of 'Image Properties' dialog box, custom size option is available?
(A) Location (B) Dimensions (C) Appearance (D) Link
88. Which kind of relationship is referred by Aggregation between two classes?
(A) is-a (B) a-part-of (C) is-a-kind-of (D) like-a
89. Which of the following keeps the data safe from unintended actions and inadvertent access by outside objects?
(A) Messaging (B) Encapsulation (C) Aggregation (D) Data abstraction
90. In JavaScript, which of the following keywords is used to declare a variable?
(A) var (B) function (C) VAR (D) variable
91. In KompoZer, in 'Insert Table' dialog box which of the following tabs is not available?
(A) Link (B) Quickly (C) Precisely (D) Cell
92. In Java, which of the following determines the required memory size, type of values, range of values and type of operations that can be performed?
(A) Data Types (B) Operators (C) Comments (D) Literals
93. Which of the following is a valid variable name in Java?
(A) 4 me (B) birth date (C) date (D) % discount
94. In Java, what will be the output of $8 \% 3$?
(A) 1 (B) 0 (C) 2 (D) 8
95. What will be the value of the element J [2] in the following array in Java?
`int J [] = { 170, 31, 10, 45, 50 };`
(A) 31 (B) 2 (C) 10 (D) J [2]
96. Which of the following can be defined as buying and selling of products, services and information using electronic media like Internet?
(A) Programming (B) Business Model
(C) Smart Commerce (D) E-Commerce
97. Which of the following is the correct syntax to declare Array in Java?
(A) `< array name> [] < data type>;` (B) `< array name> < data type> [];`
(C) `< array name> < class name> [];` (D) `< data type> < array name> [];`
98. Which of the following events would occur, when loading of image is cancelled?
(A) error (B) abort (C) unload (D) blur
99. In Java, which method is used, when we want to allow private data to be used by others?
(A) Accessor (B) Mutator (C) New (D) Void

100. Which language is considered as one of the ideal language for distributing executable programs via the World Wide Web?

(A) CSS

(B) HTML

(C) JavaScript

(D) Java

Board Paper-5 : May 2021 : Answers

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