

	Computer Studies (331)	
Computer Studies	BOARD QUESTION PAPER-2	Standard-12
Time : 2 Hours	MARCH 2020	Total Marks : 100

Instructions : The OMR sheet is given for answering the questions. The answer of each question is represented by 'O', for example, (A) O, (B) O, (C) O, (D) O. Darken the circle of the correct answer with ball-pen ink. There are total 100 questions in this question paper. Each question carries 1 mark. All questions are compulsory.

1. Which of the following is not a proper constructor of file class ?
 (A) File (string path) (B) File (directory _ path)
 (C) File (string directory_path, string file_name)
 (D) File (file directory, string file_name)
2. Which are the two core elements for any computer program ?
 (A) Function and Method (B) Data and Layout
 (C) Layout and Method (D) Data and Function
3. In which kind of business, customers can browse through products catalogue and available offers ?
 (A) Traditional Commerce (B) E-Commerce
 (C) L-Commerce (D) All (A), (B), (C)
4. If calendar is an object of calendar class, then which of the following commands will set the date to 20?
 (A) calendar.get (calendar.DATE, 20) (B) calendar.set (calendar.DATE, 20)
 (C) get.calendar (calendar.DATE, 20) (D) set.calendar (calendar.DATE, 20)
5. Which of the following is a proper option for the statement "Is a not equal to B"?
 (A) A <> B (B) A ≠ B
 (C) A NOT B (D) A! = B
6. When we click on any item in the page, in which of the following its structure appears ?
 (A) Composition Toolbar (B) Format Toolbar-1
 (C) Status Bar (D) Format Toolbar-2
7. Which desktop product of Rational Plan allows links between tasks pertaining to different projects, analyzes all our projects data and creates a project portfolio view?
 (A) Rational Plan Single (B) Rational Plan Viewer
 (C) Rational Plan Multi (D) Skype
8. By using which of the following cards, all the transactions will be processed within India so to cost will be reduced ?
 (A) Master Card (B) Visa Card
 (C) E-wallet (D) RuPay
9. Which of the following will show a blank untitled web page in KompoZer ?
 (A) Edit mode toolbar (B) Format toolbar-1
 (C) Site manager (D) Page pane

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10. Targeted ads, promotional messages, customer identification on a store etc. are applications of which of the following location based services ?
(A) Information or directory services (B) Advertising promotion
(C) Emergency services (D) Tracking services
11. Which of the following kind of content provides users with the detailed information on the site like products and services description ?
(A) Relevant (B) General (C) With proper layout (D) Detailed
12. Which of the following is not a proper example of Hexa decimal number ?
(A) OXFF7A (B) OX39A2 (C) OX532D (D) OABC
13. Which kind of relationship is established between classes by composition and aggregation ?
(A) A-kind-of (B) has-a (C) A-part-of (D) is-a
14. Which of the following will be executed by an event or when it is called inside a source code ?
(A) Function (B) Variable (C) Event (D) If statement
15. Syntax error in the program is considered as which kind of error ?
(A) Compilation error (B) Run time error
(C) Variable error (D) Printing error
16. In Browser Object Model, in which object, all the elements of the web page like forms, images, links and others are included ?
(A) Location (B) History (C) Parent (D) Document
17. What is the value of December month in the MONTH constant of calendar class ?
(A) 12 (B) 1 (C) 11 (D) 0
18. After which command of La Tex, all chapters are treated as appendices and it is to be used only once ?
(A) \setcounter (B) \table of contents
(C) \mainmatter (D) \appendix
19. Which of the following is a general concept used to embody all the common features of a particular set of objects ?
(A) Procedures (B) Polymorphism (C) Date field (D) Class
20. What will happen when a try block does not generate an Exception and you have included multiple catch blocks ?
(A) They all execute (B) Only the first matching one executes
(C) No catch block executes (D) Only the first catch block executes
21. Which of the following blocks contains the code that may give rise to one or more exceptions?
(A) throw (B) throws (C) finally (D) try
22. Which of the following plays a very important role in a business now-a-days, which helps in promoting the business, selling the products and attracting a large number of customers ?
(A) KompoZer (B) Website (C) JavaScript (D) HTML
23. Which of the following are data centers which perform the credit card transactions and manage funds for the merchants ?

- (A) Issuing Bank (B) Acquiring Bank
(C) Processors (D) Payment Gateway 37
24. What should remain same for all possible answers while creating radio button ?
(A) Fixed value (B) Group name
(C) Field selected option (D) Initially selected option 38
25. Which logical operator returns true only if its operands are different (one true and one false) and false otherwise ? 39
(A) XOR (B) OR (C) AND (D) NOT
26. 'Teacher is a kind of person's is an example of which of the following options ?
(A) Aggregation (B) Inheritance
(C) Data Abstraction (D) Encapsulation
27. To identify the objects, we use the values of these attributes, these values are called what ? 40
(A) Data field (B) Layout (C) State (D) Method
28. Which of the following blocks is known as exception handler ? 41
(A) try block (B) main () method
(C) catch block (D) throw block 42
29. Which kind of exception will be thrown by writer class ?
(A) File Not Found Exception (B) Arithmetic Exception
(C) IOException (D) NullPointerException 43
30. If the conditional ternary is next = (N% 2==0)? (N/2); (3*N+1); where N=7 then what will be the value of variable next ?
(A) 22 (B) 7 (C) 3.5 (D) 0
31. Which of the following statements will stop the function from executing and return the specified value ? 44
(A) Return statement (B) If statement
(C) Event handler (D) All (A), (B), (C)
32. What is the full form of CTAN ?
(A) Comprehensive Text Architect Network
(B) The comprehensive Text Archive Network
(C) The Computerized Text Archive Network
(D) The Comprehensive Text Archive Numerology
33. Which of the following document class is used for writing letters ?
(A) letter (B) article (C) book (D) beamer
34. How many integer values will be stored in the following array ?
int marks [] [] = new int [4] [4]; 45
(A) 8 (B) 64 (C) 16 (D) 4
35. Which kind of variable is a variable representing a collection of homogeneous type of elements?
(A) Local (B) Instance (C) Global (D) Array
36. By using which technique, the attacker tries to assume the identity of another person or system for transacting with victim site ? 46

- (A) Sniffing (B) Spoofing (C) Malicious code (D) Cyber vandalism
37. In switch statement, if no match is found between test expression and case values, then which statement will be executed ?
 (A) break (B) continue (C) if.... else (D) default
38. In Table Properties dialog box, which option is used to specify gap between cells ?
 (A) Size (B) Table alignment (C) Spacing (D) Padding
39. What will be the output, if following command sequence is given in R software ?
`> a ← 10`
`> b ← 30`
`> a * b`
 (A) Error (B) 10 (C) 300 (D) 40
40. Which methods operate on a particular object or affect that object ?
 (A) Class methods (B) Local methods
 (C) Instance methods (D) Global methods
41. Which protection level provides data encapsulation ?
 (A) Private (B) Protected (C) Public (D) Package
42. Which kind of files are used to store variables like integer, double or boolean into a file and also to store arrays and objects ?
 (A) Text file (B) KompoZer file (C) Image file (D) Binary file
43. Which kind of exception will be generated, when an attempt to convert string to a number type is done ?
 (A) Arithmetic Exception (B) Null Pointer Exception
 (C) Printer IO Exception (D) Number Format Exception
44. Find correct option from the following :

A	B
(i) Line break command in LaTeX	(p) / (backslash)
(ii) Comment character in	(q) [] (square brackets)
(iii) Starting character of LaTeX command	(r) \
(iv) Brackets used for optional arguments in LaTeX	(s) %

- (A) (i) → (s), (ii) → (q), (iii) → (p), (iv) → (r)
 (B) (i) → (r), (ii) → (s), (iii) → (p), (iv) → (q)
 (C) (i) → (p), (ii) → (r), (iii) → (q), (iv) → (s)
 (D) (i) → (q), (ii) → (p), (iii) → (r), (iv) → (s)
45. Which symbol is used to show inheritance between two classes ?
 (A) Empty diamond
 (B) Filled diamond
 (C) The arrow points from superclass to subclass
 (D) The arrow points from subclass to superclass
46. Which kind of information, a website should include ?

- (A) In English language and translated in other language
 (B) General and detailed
 (C) Complete and relevant (D) Both (B) and (C)
47. Which of the following options is not proper for array declaration with initial values?
 (A) `int marks [3] = new marks {90, 70, 77};`
 (B) `int marks [] = {90, 70, 77};`
 (C) `int [] marks = {90, 70, 77};`
 (D) `int marks [] = {90, 80, 70, 60}`
48. Which method of scanner class returns the next token ?
 (A) `int next Int ()` (B) `String has Next ()`
 (C) `String next ()` (D) `boolean has Next ()`
49. Which command is used to assign value 5 to all elements of list array ?
 (A) `sort (list, 5)` (B) `sort (list, 1, 7, 5)`
 (C) `fill (list, 2, 6, 5)` (D) `fill (list, 5)`
50. By using which of the following statements the following statements in a body are skipped and the control is transferred at the first statement after the switch statement?
 (A) `continue` (B) `default` (C) `break` (D) `for`
51. Which of the following security aspect of E-Commerce / M-commerce protects the data from private attacks ?
 (A) Confidentiality (B) Integrity
 (C) Authorization (D) Non-repudiation
52. Which of the following kind of websites provides information regarding various government departments, various welfare schemes, different application forms to be used by the citizens etc ?
 (A) G2B (B) G2G (C) G2C (D) B2C
53. Which is the proper statement to invoke `display ()` method of superclass ?
 (A) `display ()` (B) `display super ()`
 (C) `super display ()` (D) `show display ()`
54. Which of the following methods returns true if invoking string is same as str ?
 (A) `boolean compare to (string str)` (B) `boolean equals (string str)`
 (C) `int compare to (str string)` (D) `int equals (string str)`
55. What is called, the capability of using same names to mean different things in different contexts?
 (A) Overloading (B) Overridden (C) Layout (D) Messaging
56. Which of the following constructors creates an object that refers to the literal specified in argument ?
 (A) `string (string literal)` (B) `string (char literal)`
 (C) `string (string strobj)` (D) `string (char ary [])`
57. Which of the following makes website designing quick and efficient ?
 (A) Java Script (B) CSS (C) HTML (D) Java

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58. When we write class in java, it is made up of which two components ?
(A) procedure and behaviour (B) attributes and behaviour
(C) variable and values (D) main () method and constructor
59. Which toolbar is used to give Heading - 1 style to the heading of the form ?
(A) Format Toolbar-1 (B) Format Toolbar-2
(C) Composition Toolbar (D) Status Bar
60. In the syntax of attribute declaration in UML notation, which pair bracket values, users are supposed to specify ?
(A) { } (B) []. (C) <> (D) ()
61. In which of the following, the class that forms part of the owner class can exist independently and the life of an object of the part class is not determined by the owner class ?
(A) Inheritance (B) Aggregation
(C) Polymorphism (D) Data-Abstraction
62. Which menu is used to start VLC Media Player ?
(A) Media → Open File... (B) Media → Open Directory....
(C) Media → Playlist (D) Applications → Sound & Video
63. Which of the following LaTeX commands is used to insert mathematical symbol '∅' in the document ?
(A) \subset (B) \in (C) \notin (D) \neq
64. If $a = 12.5$ and $b = 7.2$, then after executing $a\%b$, what will be the remainder ?
(A) 1 (B) 5.3 (C) 5.0 (D) 1.22
65. When a variable is declared inside a block, what is it called ?
(A) Global (B) Local (C) Label (D) Repetitive
66. Which method of date class sets new date and time of an object using elapsed time?
(A) void set Time (long elapsed Time) (B) long get Time ()
(C) Date (long elapsed Time) (D) Date ()
67. Which of the following application of E-commerce includes an example like the website www.irctc.co.in of Indian railways ?
(A) Online Auctions (B) Marketing and Selling
(C) Information Services (D) Support Services
68. Which event would occur when element such as button becomes active ?
(A) select (B) focus (C) click (D) mouseover
69. Which of the following statements is / are true for Java Script ?
(i) Java Script is used for validation of client side users
(ii) Can describe the style of the elements in document not the content
(iii) After using it, web page no longer remains static
(A) Only (iii) (B) Only (ii) and (iii)
(C) Only (i) and (iii) (D) All (i), (ii) and (iii)
70. In the syntax of CSS, in Declaration, which of the following is / are included ?
(A) HTML element
(B) Property associated with the HTML element

- (C) Corresponding values of properties
(D) Both (B) and (C)
71. What is the name of the data structure, where all instances of class are allocated memory ?
(A) Heap (B) JVM (C) Garbage Collector (D) Instance
72. Which attribute is used to specify where to send the form data when the form is submitted and what will be the value of it ?
(A) Method, Get (B) Method, Post (C) Action, Get (D) Action, File name
73. Which symbol is used to begin single-line comment ?
(A) /*...*/ (B) /**...*/ (C) // (D) \\
85.
74. Which method is used, when we want to allow other methods to read only the data value ?
(A) setter (B) getter (C) void (D) return
75. Which of the following methods returns a string after appending str with the invoking string ?
(A) string to Lower case () (B) string to Upper case ()
(C) string concat (string str) (D) int length ()
87.
76. By using which kind of programming language, flexibility is gained by being able to change or replace modules without disturbing other parts of code ?
(A) Procedural programming
(B) Higher level programming language
(C) Object-Oriented programming language
(D) 'C' programming language
88.
77. Which of the following is an example of Government to Business (G2B), business model ?
(A) www.irctc.co.in (B) www.incometaxindia.gov.in
(C) tradeindia.com (D) amazon.com
89.
78. Which of the following is a limitation of E-commerce ?
(A) Resistance to change (B) Lower cost
(C) Team work (D) Conduct business 24 x 7
90.
79. How many basic (primitive) data types are supported in Java ?
(A) 2 (B) 4 (C) 8 (D) 16
91.
80. Which level of protection is used to allow the access only to subclasses or to share with the methods declared as "friend"?
(A) Private (B) Public (C) Package (D) Protected
92.
81. Which of the following security measures ensures that the company is not accessed by the intruders ?
(A) Firewall (B) Digital Certificate
(C) Cryptography (D) Copyright
93.
82. While creating CSS, which button should be clicked to select the file for the background, if we want to keep an image in the background ?
(A) Opacity (B) Position (C) Tile (D) Choose File
94.

95. Which of the following is an event handler of 'submit' event?
 (A) submit () (B) function submit ()
 (C) onsubmit () (D) onclick ()
96. What should be provided, if we transfer the web pages from our computer to the web host via FTP?
 (A) Name of the website (B) Number of total pages
 (C) user name and password (D) Value of method attribute
97. Which of the following business model allows more transparency among the business entities involved and results in more efficiency ?
 (A) C2C (B) C2B (C) B2C (D) B2B
98. Which type of input element will convert typed characters into non readable format?
 (A) Password (B) Check box (C) Text (D) Reset
99. In Archive Manager, which option is used to create new archive ?
 (A) Archive (B) Compress (C) Extract (D) Back
100. Which kind of files can be data files that contain facts such as pay-roll file, program files or application files ?
 (A) Binary files (B) Text files (C) Image files (D) All (A), (B), (C)

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MARCH 2020 : ANSWERS

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

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