

COMPUTER**BOARD QUESTION PAPER-4****March-2018****Time : 3 Hours]****[Total Marks : 100**

1. Which element allows multiline text input in HTML form ?
(A) longtext (B) checkbox (C) textarea (D) select
2. Which menu-option is used to view different tool bars (if not visible) in KompoZer ?
(A) View → Show / Hide (B) Format → Toolbar
(C) Edit → Show / Hide (D) Insert → Toolbar
3. Which colored outline is seen in form when inserted in KompoZer ?
(A) Green colored (B) Yellow colored (C) Light blue colored (D) Red colored
4. To insert input "Text Field" in form of KompoZer which option is selected in field type menu of "Form Field Properties" ?
(A) Submit button (B) Check box (C) Radio button (D) Text
5. Which shortcut key is used to close the Site Manager pane in KompoZer ?
(A) F12 (B) F5 (C) F9 (D) F10
6. Which attribute of <form> element takes a filename as value in HTML form ?
(A) method (B) action (C) reset (D) value
7. From the following, which variables defined within a class, outside any method, with the static keyword in Java ?
(A) Instance variable (B) Local variable (C) Class variable (D) All of these
8. When no modifier is used, which is the default one having visibility only within a package that contain the class ?
(A) Package (B) Private (C) Protected (D) Public
9. Which level of protection is used to allow the access only to sub class or to share with the method declared as "friend" in Java ?
(A) Package (B) Protected (C) Public (D) Private
10. Accessor method is known as what in Java ?
(A) Mutator (B) Accessor (C) Setter (D) Getter
11. Parent class is referred to a which class in object oriented programming language ?
(A) Extended class (B) Child class (C) Sub class (D) Base class
12. Which type of relationship between composition and aggregation class ?
(A) is not a (B) is a kind of (C) has-a (D) is-a
13. Which of the following is the keyword used to refer a super class constructor in sub class constructor ?
(A) new (B) name of super class (C) super (D) extends
14. From the following which is not a class of java.io package ?
(A) Writer class (B) Scanner class (C) Reader class (D) Character stream class
15. Scanner class can be used for performing which of the following operations ?
(A) Accept input from the keyboard (B) Read from the file
(C) Parse a string separated by delimiter (D) All of these

16. Which is the base class for reading a character stream ?
(A) Byte stream class (B) Writer class (C) Reader class (D) Scanner class
17. From the following which devices is classified into input and output device both ?
(A) Mouse (B) Hard disk (C) Monitor (D) Keyboard
18. What is the full form of PDF ?
(A) Portable Document Format (B) Private Document File
(C) Process Document Format (D) Protocol Document Format
19. Which event occurs when document or image is loaded in JavaScript ?
(A) load (B) blur (C) change (D) focus
20. Which is the top level object in the Browser Object Model ?
(A) location (B) history (C) document (D) window
21. While filling forms on Internet, some fields are marked with a red colour asterisk mark “*”. What does it mean ?
(A) Enter only character in field. (B) Enter only number in field.
(C) It is a compulsory field. (D) It is not a compulsory field.
22. If the value is not a number then what is return by isNaN() in JavaScript ?
(A) False (B) True (C) No (D) Yes
23. Which of the following symbol signifies the start and end of a JavaScript block ?
(A) Round bracket (B) Curly bracket (C) Square bracket (D) Semicolon
24. Which of the following file name is the home page of the website saved as ?
(A) firstpage.html (B) first.html (C) index.html (D) home.html
25. To give caption to table if requires, which option is used in Table Properties ?
(A) Page title (B) Caption (C) Title (D) Heading
26. All the rules related to tax, different forms and facility for submission of online tax returns services are provided in which type of model ?
(A) C2C (B) C2B (C) B2C (D) G2B
27. From the following location based services, which service provides “tracking of assets locating friends in a geographic location, tracking stolen cars” services ?
(A) Mapping (B) Emergency services (C) Tracking services (D) Navigation
28. From the following who ensures that the information must not be accidentally or maliciously altered or tempered in transit ?
(A) Non-repudiation (B) Authorisation (C) Integrity (D) Confidentiality
29. In which internet security threat, electronic defacing of an existing website page found and an attacker replaces the website’s original content with his/her own content ?
(A) Denial of service attack (B) Cyber vandalism
(C) Spoofing (D) Sniffing
30. Trademark is designated by which symbol ?
(A) TD (B) (C) and (D) both (C) @ (D) SM
31. From the following which bank issues the credit card and guarantees the payment to the merchant ?
(A) Paypal (B) (C) and (D) both (C) Acquiring bank (D) Issuing bank

32. Which type of array is used like table of rows and columns ?
 (A) Minor array (B) 2-D array (C) 1-D array (D) Primitive array
33. `int marks [] [] = new int [5] [3];` How many bytes are used in storage space ?
 (A) 60 (B) 3 (C) 5 (D) 15
34. Which constructor creates a string object which is same as object specified in argument ?
 (A) `String ()` (B) `String (char ary [])` (C) `String (String strObj)` (D) `string (String literal)`
35. From the following which method of string class returns a string with all characters of invoking string converted to upper case ?
 (A) `int length ()` (B) `byte [] getBytes`
 (C) `String to Lowercase ()` (D) `String to Uppercase ()`
36. Data class is in which package in Java ?
 (A) `java.io` (B) `java.util` (C) `java.lang` (D) `java.io.class`
37. What type of value is returned when we use `get` method of Calendar class with constant `DAY_OF_WEEK` as an argument ?
 (A) boolean (B) string (C) char (D) int
38. Which was the one of the first applications of E-commerce on Internet ?
 (A) Internet bookshops (B) Online billing (C) Online auction (D) Electronic newspaper
39. From the following which is the example of online auctions ?
 (A) `www.bookshopofindia.com` (B) `www.buybooksindia.com`
 (C) `www.indiatimes.com` (D) `www.mybids.in`
40. Notices and reminders sent to the customer by the companies or bank is example of which service ?
 (A) Marketing (B) Auction (C) Information service (D) Support service
41. From the following, which is not a feature of traditional commerce ?
 (A) Hiring of sales persons, sales manager and many more.
 (B) No sharing of information with competitors.
 (C) E-payment systems are used for receiving payment.
 (D) Operates within certain period of time.
42. From the following in which E-commerce model, sellers can sell products directly to consumers and buyers are individual customers ?
 (A) C2B (B) B2C (C) B2B (D) C2C
43. From the following which are the examples of B2B model ?
 (A) `Commodity.com` (B) `Quikr.com` (C) `OLX.com` (D) `eBay.com`
44. Which block is generally used to clean up at the end of executing a try block ?
 (A) `finally` (B) `catch` (C) `retry` (D) `try`
45. From the following which is the syntax of throw exception object ?
 (A) `object_exception;` (B) `exception_object;`
 (C) `throw exception_object;` (D) `throw object_exception;`
46. Which method of the scanner class helps in reading integer input from the console ?
 (A) `nextInt ()` (B) `readInt ()` (C) `writeInt ()` (D) None of these
47. When some problem occurred while executing the command, what is displayed by "Exit code" ?
 (A) # (B) error (C) 0 (D) 1

48. From the following, which file extension is not used for text file ?
 (A) .c (B) .jpeg (C) .java (D) .txt
49. Which method of file class is return true if the file or directory is hidden ?
 (A) boolean isHidden () (B) boolean exists ()
 (C) boolean isDirectory () (D) boolean isFile ()
50. To keep the 'checkbox' checked, which option is selected when the form load in KompoZer ?
 (A) Initially Checked (B) Selection list (C) Initially load (D) By default
51. Which menu-option is used to give a background color in form of KompoZer ?
 (A) Edit → Page colors and Background (B) Format → Page colors and Background
 (C) View → Page colors and Background (D) Insert → Background
52. Which part of CSS syntax consists of a property associated with the HTML element used in selector and its corresponding value ?
 (A) Value (B) Property (C) Selector (D) Declaration
53. From the following, which is a disadvantage in CSS ?
 (A) Set the style for each element only once. (B) CSS compatibility varies with different browsers.
 (C) Website designing quick and efficient using CSS. (D) CSS has less code compared to that in HTML.
54. Which application is used to validate the data entered in the HTML forms on the client side before sending it to the server ?
 (A) KomopZer (B) HTML tag (C) JavaScript (D) CSS
55. What is the use of semicolon sign in JavaScript ?
 (A) Statement termination (B) Statement separation
 (C) Each statement making bold (D) None of these
56. What kind of alert() function in JavaScript ?
 (A) Modular (B) (C) and (D) both (C) Inbuilt function (D) Userdefined
57. From the following which is legal name of variable ?
 (A) birth date (B) birth_date (C) %discount (D) 4balance
58. Which numeric digits are used for Hexadecimal numbers (16 digits) in integer literals in Java ?
 (A) 0 to 8 and A to E (B) 0 to 9 and A to F (C) 0 to 15 (D) 0 to 16
59. What is the symbol for multi-line comment in Java programme ?
 (A) /* and */ (B) /** and */ (C) * and * (D) //
60. In Java, what will be the result of arithmetic expression $8\%3$?
 (A) 8 (B) 3 (C) 4 (D) 2
61. Which sign is used for "A not equal to B" in comparison operator of Java ?
 (A) $A \neq B$ (B) $A != B$ (C) A not equal B (D) $A == B$
62. Which step of creating an object from a class initialize the newly created object ?
 (A) New (B) Instantiation (C) Declaration (D) Initialization
63. In Java, who looks for unused objects and reclaims the memory ?
 (A) Class variable (B) Function (C) Polymorphism (D) Garbage collector
64. What is the associativity of dot operator which is used to access instance variable ?
 (A) lower to upper (B) upper to lower (C) left to right (D) right to left

5. \documentclass [12 pt]{artical}; from this given statement which is an optional argument in LaTeX ?
 (A) 12 pt, artical (B) documentclass (C) {artical}; (D) [12 pt]
6. Which document class is used for writing individual articles in LaTeX ?
 (A) beamer (B) slides (C) article (D) book
7. Which package is used to add support for multilevel lists in LaTeX ?
 (A) easylist (B) listing (C) amsmath (D) setspace
8. Which command can be used to create a section that is not automatically numbered ?
 (A) \part (B) \section * (C) \counter (D) \setcounter *
9. From the following which sign is used as comment in LaTeX ?
 (A) & (B) # (C) % (D) \$
10. Which shortcut key is used when compilation is successful ?
 (A) F5 (B) F12 (C) F7 (D) F9
1. Inheritance is generally referred to which kind of relationship between two classes ?
 (A) 'not is - a' relationship (B) 'a - part - of' relationship
 (C) 'is - like' relationship (D) 'is - a' relationship
2. Composition model refers to which of the following relationship ?
 (A) Non exclusive (B) Exclusive
 (C) 'a - kind - of' relationship (D) None of these
3. From the following which mechanism providing protection to data and methods of a program ?
 (A) Aggregation (B) Composition (C) Polymorphism (D) Encapsulation
4. When the program gets compiled without errors, compiler creates which type of file extension in Java ?
 (A) .class (B) .java (C) .c++ (D) .c
5. From the following which is not compiled or interpreted in Java ?
 (A) if statement (B) Function (C) Comment (D) Variable
6. Which menu-option is used if the program is compiled without any error ?
 (A) Tools → Execute (B) Edit → Go (C) Tools → Go (D) Tools → Compile
7. In Java, boolean data type hold which logical values ?
 (A) Y, N (B) 0, 1 (C) True, False (D) Yes, No
8. Which zip format is used in Java ?
 (A) ZAR (B) Openoffice.org (C) TAR (D) JAR
9. To open a play list in VLC player which menu - option is used ?
 (A) View → Open directory (B) Media → Open directory
 (C) View → Play list (D) Media → Save play list
10. Which service provides the facility of finding the nearest ATM centre, bank, bus stop ?
 (A) Hotspot (B) GSP (C) GPS (D) Wifi
1. Which software is used for Statistical computing ?
 (A) Rational plan (B) Skype (C) 'R' software (D) Character map
2. From the following which Rational plan allow us to manage independent projects ?
 (A) Multi (B) Viewer (C) Single (D) None of these

83. Which option of Image Properties dialog box will display the text in case the image is not displayed in the browser in KompoZer ?
(A) Alternate text (B) Don't use altnet text
(C) Text (D) Tooltip
84. Which menu-option is used to change the page title of web page in KompoZer ?
(A) Format → Page title and Properties (B) View → Page title → Properties
(C) Insert → Page title → Properties (D) Edit → Page title → Properties
85. Which of the following is a variable that is stored on the users computer ?
(A) Java (B) HTML (C) Integer (D) Cookie
86. From the following, who offers limited free space on the webserver ?
(A) SSL (B) ISP (C) FTP (D) IDE
87. What is the full form of FTP ?
(A) First Tool Process (B) File Transfer Property (C) File Transfer Protocol (D) File Transfer Process
88. From the following which are the open source web development tools ?
(A) Aptana Studio (B) BlueGriffon (C) Amaya (D) All of these
89. If 'str' is the object of string class and its content is "I_Like_Computer", then what is the value of str.length() ?
(A) 15 (B) 19 (C) 17 (D) 13
90. What stands for AM and PM in integer constant of calender class ?
(A) 0 and 0 (B) 1 and 1 (C) 1 and 0 (D) 0 and 1
91. Which braces is used in 2-D array using comma separated values of data elements ?
(A) < > (angled bracket) (B) () (simple bracket) (C) { } (curly bracket) (D) [] (square bracket)
92. Which of the following refer to the starting index value in arrays ?
(A) 1 (B) 0 (C) null (D) All of these
93. In Java, all kinds of error conditions are called what ?
(A) Error (B) Exception (C) Abbreviation (D) Anomaly
94. Which exception class observed when an attempt to access a non existing file ?
(A) NumberFormatException (B) NullPointerException
(C) ArithmeticException (D) FileNotFoundException
95. Which of the following is a computer program that detects, prevents and takes action to remove the malicious codes like viruses, worms and trojan horses from the infected system ?
(A) Antivirus software (B) Encryption (C) Cryptography (D) Digital certificate
96. In which way of programming, the focus is on writing functions or procedures which operate on data ?
(A) Object oriented programming (B) Procedural programming
(C) Query language (D) All of these
97. In object oriented programming, attributes that describe the object are known as what ?
(A) Object (B) Data Field (C) Method (D) Behaviour
98. What is in the middle section of class diagram ?
(A) Method of class (B) Attributes or properties of the class
(C) Behaviour or operation of class (D) Name of the class

99. Which sign is used for 'Package' visibility ?

- (A) ~ (B) + (C) # (D) -

100. In which feature, object oriented programming allows defining more than one method having same but different signature in class ?

- (A) Aggregation (B) Data abstraction
(C) Function or method overloading (D) Encapsulation

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

