

## Computer (331)

TIME : 2:00 HRS.]

BOARD'S PAPER MARCH : 2023

[TOTAL MARKS : 100

## [1] Creating HTML Forms Using KompoZer [08]

- 1) Which of the following is the default value for method attribute in form ?  
 (A) GET (B) SET (C) POST (D) ESET
- 2) Which of the following attributes are used with textarea element ?  
 (A) comment, rows (B) columns, cells  
 (C) cells, cols  (D) rows, cols
- 3) Which of the following is not an example of open source IDEs ?  
 (A) Eclipse (B) JBuilder  
 (C) Netbeans  (D) Nutsells
- 4) Which of the following three viewing modes are available in Edit mode toolbar of KompoZer ?  
 (A) Netbeans, HTML tags, Preview  
 (B) Normal, Elements, Publish  
 (C) Normal, HTML Tags, Preview  
 (D) Normal, All Tags, Publish
- 5) Which of the following tabs are shown on left side of the Page Pane in KompoZer ?  
 (A) Design, Split, System  
 (B) Design, Split, Source  
 (C) Design, Show, Source  
 (D) Design, Save, Source
- 6) Which of the following color marker is used to indicate the Start tag for all elements in KompoZer ?  
 (A) Green (B) Red  
 (C) Yellow (D) Pink
- 7) Which of the following options is used to create Drop down menu for field "City" in KompoZer ?  
 (A) Form → Drop Select List  
 (B) Form → Select Drop List  
 (C) Form → Drop Down List  
 (D) Form → Selection List
- 8) Which of the following button is used to clear the values of data entered in the form as well as set back to default value ?  
 (A) Close  (B) Reset (C) Set (D) Submit

## [2] Cascading Style Sheets and JavaScript [10]

- 9) Which of the following are two main parts of CSS rule ?  
 (A) Select, Declaration  
 (B) Selection, Declaration  
 (C) Selector, Declaration  
 (D) Selector, Declare
- 10) Which of the following is a Property as per the CSS rule ?  
 H1 {color : green}  
 (A) color (B) green (C) H1 (D) { }
- 11) How many tabs are shown in CSS Stylesheet dialog box in KompoZer ?  
 (A) 9 (B) 6 (C) 8  (D) 7
- 12) Which of the following tab is not available in CSS Stylesheet dialog box of KompoZer ?  
 (A) Borders (B) Box  (C) Shades (D) Aural
- 13) document.write("INDIA"); in given JavaScript statement which of the following is method ?  
 (A) write (B) INDIA  
 (C) document (D) semicolon
- 14) Which of the following symbol signifies the start and end of a JavaScript block ?  
 (A) Round bracket (B) Square bracket  
 (C) Curly bracket (D) Close bracket
- 15) Which of the following has developed JavaScript ?  
 (A) Google (B) Wikipedia  
 (C) Yahoo  (D) Netscape
- 16) If the function isNaN("BHARAT") is written in JavaScript then what will be return of above mentioned function ?  
 (A) False (B) BHARAT  
 (C) True (D) Ok
- 17) Which of the following function is used to view text in an alert box in JavaScript ?  
 (A) msg (B) isNaN (C) dbx  (D) alert
- 18) Which of the following is not an event ?  
 (A) Abort (B) Mouseover  
 (C) Set (D) Load

**[3] Designing Simple Website using KompoZer [08]**

- 19) Which of the following is a collection of interlinked web pages for a specific purpose ?  
 (A) Form (B) Images  
 Website (D) Feedback
- 20) Which of the following information should a website contain ?  
 Complete, Relevant  
 (B) Complete, Irrelevant  
 (C) Incomplete, Irrelevant  
 (D) Incomplete, Relevant
- 21) Which of the following menu - option is used to insert table in KompoZer ?  
 (A) View → Table  Insert → Table  
 (C) Form → Table (D) File → Table
- 22) How many tabs viewed in Insert Table dialog box of KompoZer ?  
 (A) 4 (B) 5  3 (D) 2
- 23) Which of the following two tabs are viewed in Table Properties dialog box ?  
 (A) Quickly, Cells  Table, Cells  
 (C) Rows, Cells (D) Cells, Precisely
- 24) Which of the following alignment is not available in Table Alignment in KompoZer ?  
 (A) Left (B) Right  
 Justify (D) Center
- 25) Which of the following protocol is used to transfer the web pages from our computer to the web host ?  
 (A) RTP (B) HTP  FTP (D) CTP
- 26) Which of the following function in JavaScript is used to convert the data into number ?  
 parseFloat() (B) pastFloat()  
 (C) convsFloat() (D) consFloat()

**[4] Introduction to E-Commerce [07]**

- 27) Which of the following networks is developed by Gujarat Government ?  
 (A) GOVWAN (B) GCWAN  
 GSWAN (D) GEWAN
- 28) Which of the following is an example of a B2B website ?  
 (A) flipkart.com (B) olx.com  
 (C) quikr.com  tradeindia.com

- 29) Which of the following is the process of buying and selling products by offering the customers to bid the price ?  
 (A) Marketing  Auction  
 (C) Bookshop (D) Booking
- 30) Which of the following is a good example of C2C model ?  
 Auction sites  
 (B) E-newspaper  
 (C) Information services  
 (D) Online purchase
- 31) Which of the following is a disadvantage of E-commerce ?  
 Privacy  
 (B) Improved customer service  
 (C) Speed  
 (D) Conduct business 24 × 7
- 32) Which of the following E-commerce business model refer to E-commerce ?  
 (A) G2B  C2C (C) B2B (D) B2C
- 33) Which of the following was one of the first applications of E-commerce ?  
 (A) E-newspaper (B) Auction sites  
 (C) Net banking  Internet bookshop

**[5] Introduction to M-Commerce [06]**

- 34) Which of the following has launched new card payment RuPay ?  
 (A) NPIC (B) NCPI  NPCI (D) NACI
- 35) Which of the following keys is used to encrypt and decrypt a message ?  
 (A) Primary key (B) Prime key  
 (C) Foreign key  Secret key
- 36) Which of the following is a protocol used for securing web transactions on the Internet ?  
 (A) TCP/IP (B) HTTP  
 (C) Bluetooth  SSL
- 37) Which of the following is the process of hiding information within other information ?  
 (A) Squatting  Steganography  
 (C) Name changing (D) Copyright
- 38) Which of the following is the most commonly used network protection barrier between the company's network and the outside world ?  
 Firewall (B) Netwall  
 (C) Tradewall (D) Copyright

- 40) Which of the following is the most accurate in determining a mobile device's position ?  
 (A) WiFire (B) GPS  
 (C) Signal Radar Spot (D) STS

**Object Oriented Concepts**

[08]

- 41) The way of Programming is divided into how many categories ?  
 (A) 3 (B) 4 (C) 2 (D) 5

- 42) Which of the following visibility symbol is used for Public ?  
 (A) \* (B) # (C) + (D) \$

- 43) Which of the following mechanism is used to provide protection to data and methods of a program ?  
 (A) Encapsulation (B) Data abstraction  
 (C) Messaging (D) Polymorphism

- 44) Which of the following visual modelling language is defined and maintained by the Object Management Group (OMG) ?  
 (A) MOU (B) ORG (C) UML (D) URL

- 45) Which of the following presents a collection of classes, constrains and relationship among classes ?  
 (A) Class diagram (B) Base diagram  
 (C) Object diagram (D) Case diagram

- 46) Inheritance generally refers which of the following relationship between two classes ?  
 (A) has-take-of (B) is-a-kind-of  
 (C) take-of (D) check-of

- 47) Which of the following represents non-exclusive relationship between two classes ?  
 (A) Aggregation (B) Composition  
 (C) Against position (D) Comparison

- 48) Which of the following terms means Polymorphism ?  
 (A) One form (B) Null form  
 (C) Many money (D) Many forms

**Java Basics**

[10]

- 49) Java language is developed at which of the following companies ?  
 (A) Sun Microsystems  
 (B) Ocen Microsystem  
 (C) Macintosh system  
 (D) Apple system

- 50) When Java source file is compiled successfully without any error then system generates which extension base file automatically in computer ?  
 (A) .sysj (B) .java (C) .class (D) .obc

- 51) What is the full form of JVM ?  
 (A) Java Velocity Machine  
 (B) Java Virtual Machine  
 (C) Java Vital Machine  
 (D) Java Versatile Machine

- 52) Java supports how many primitive data types ?  
 (A) 9 (B) 12 (C) 8 (D) 10

- 53) Which of the following primitive data types holds real numbers ?  
 (A) byte (B) short (C) char (D) double

- 54) Which of the following Escape code is used for Tab in Java ?  
 (A) \n (B) \t (C) \b (D) \ta

- 55) Which of the following is known as Single line comment in Java ?  
 (A) // (B) \\ (C) \# (D) \\$

- 56) Which of the following operators in Java is used as modulus arithmetic operator ?  
 (A) \ (B) % (C) / (D) ||

- 57) Java supports how many type of looping constructs ?  
 (A) 4 (B) 2 (C) 3 (D) 5

- 58) Which of the following loops is exit controlled loop in Java ?  
 (A) if-else-if (B) for  
 (C) case (D) do...while

**[8] Classes and Objects in Java**

[10]

- 59) Which of the following is not a part of four p's protection in Java ?  
 (A) Public (B) Protocol  
 (C) Protected (D) Private

- 60) Which of the following provides highest level of protection in Java ?  
 (A) Public (B) Protocol  
 (C) Protected (D) Private

- 61) In Java, once data is protected to get directly accessed by method of other class and if we want to allow such data to be used by others, which of the following methods is used ?  
 (A) Excess (B) Access  
 (C) Accessor (D) Allowus

- 61) Which of the following allows us to build new class with added capabilities by extending existing class ?  
 (A) Inheritance (B) Polymorphism  
 (C) Data abstraction (D) Messaging
- 62) Which of the following in Java looks for unsaved objects and reclaims the memory that those objects are using ?  
 (A) Object collector  
 (B) Garbage collector  
 (C) Garbage distributor  
 (D) Reclaims collector
- 63) Which of the following is a special kind of method that is invoked when a new object is created ?  
 (A) Messaging (B) Abstraction  
 (C) Constructor (D) Polymorphism
- 64) Which of the following way non-argument constructor is defined ?  
 (A) `<classname> ( ) { }`;  
 (B) `<classname> ( ) [ ]`;  
 (C) `<classname> { } ( )`;  
 (D) `<classname> { } [ ]`;
- 65) Which of the following is a variable defined inside method or blocks ?  
 (A) Class variables (B) Object variables  
 (C) Local variables (D) Instance variables
- 66) Which of the following keywords is used to declare class variables and class methods ?  
 (A) static (B) private  
 (C) public (D) package
- 67) Which of the following is used to organize classes in Java ?  
 (A) package (B) private  
 (C) public (D) post
- 70) If array is defined as `int marks [] = {2, 3, 4, 8}`; then what will be output of `marks [2]` ?  
 (A) 2 (B) 3  (C) 4 (D) 8
- 71) Which of the following string class methods returns true if invoking string is same as 'str' ?  
 (A) `boolean equs(String str)`  
 (B) `boolean eqs(String str)`  
 (C) `boolean eq(String str)`  
 (D) `boolean equals(String str)`
- 72) Which of the following string class methods returns number of characters in invoking string ?  
 (A) `int length()` (B) `char len()`  
 (C) `string lenco()` (D) `string Num()`
- 73) Which of the following calendar class constants is used for displaying year of calendar ?  
 (A) YRS  (B) YEAR (C) YYS (D) Y
- 74) Which of the following calendar class constants is used for displaying week number within the month ?  
 (A) MONTH\_OF\_WEEKS (B) WEEKS  
 (C) WEEK\_OF\_MONS  (D) WEEK\_OF\_MONTH
- 75) Which of the following Date class methods is utilized to construct Date object using current system time ?  
 (A) `getTime()`  (B) `Date()`  
 (C) `TimeDate()` (D) `DateT()`
- 76) Which of the following Java libraries provides Date class ?  
 (A) `java.lib` (B) `java.obj`  
 (C) `java.util` (D) `java.package`
- 77) What is the size of second dimension, in an array `sales [5][12]` ?  
 (A) 5  (B) 12 (C) 60 (D) 10

### [9] Working with Array and String [10]

- 68) Which of the following is useful to represent vector, matrix and other multi-dimensional data in Java ?  
 (A) `while...do`  (B) Array  
 (C) `Vloop` (D) `if...else`
- 69) Which of the following refers to the starting index value in arrays ?  
 (A) 0 (B) 1 (C) Null (D) 2

### [10] Exception Handling in Java [06]

- 78) Which of the following is a correct word for all Java Exceptions ?  
 (A) Errors (B) Runtime Exceptions  
 (C) Throwables (D) Omissions
- 79) Which type of the errors are usually the mistakes of a programmer ?  
 (A) Compile time errors  
 (B) Run time errors  
 (C) Progress time errors (D) Common errors

80) Which of the following indicates in Java that program is executed successfully ?

- (A) Exit code : -1 (B) Exit code : 2  
 (C) Exit code : 0 (D) Exit code : 1

81) Which of the following Exception classes occurs when there is an attempt to access a non-existing file ?

- (A) FileNotFoundException (B) FileNoExceptions  
 (C) FileException  
 (D) FileNotFoundExpection

82) Which of the following blocks is always executed before the program ends, regardless of whether any exceptions are generated in the try block or not ?

- (A) Catch  (B) Finally (C) Match (D) Except

83) Which of the following blocks handles or takes appropriate action when an Exception occurs ?

- (A) try  (B) catch (C) throws (D) handles

### [11] File Handling [06]

84) Which of the following is used as a separator between fields of record ?

- (A) path  (B) delimiter  
 (C) variable (D) section

85) Which of the following classes provides a method for reading password ?

- (A) Void class (B) Keyboard class  
 (C) Console class (D) Scanner class

86) Which of the following Scanner class methods returns the next token ?

- (A) String next() (B) String token()  
 (C) String nxt() (D) Scanner next token()

87) Which of the following File Input Stream methods read a byte of data from input stream ?

- (A) stream input() (B) int stream()  
 (C) input read()  (D) int read()

88) Which of the following classes is the base class for reading a character stream ?

- (A) Base class  (B) Reader class  
 (C) Write class (D) Read class

89) Which of the following file class method returns the path to the file or directory ?

- (A) boolean notFile() (B) boolean isFile()  
 (C) String getPath()  (D) String getName()

### [12] Publishing document using LaTeX [06]

90) Which of the following is the extension of LaTeX file ?

- (A) .class (B) .Lat (C) .Ltx  (D) .tex

91) Which of the following symbol is used as comment in LaTeX ?

- (A) // (B) #  (C) % (D) \

92) Which of the following parts of the LaTeX document contains the metadata ?

- (A) Preface (B) ToC  
 (C) Preamble (D) Environment

93) LaTeX commands starts with which of the following character ?

- (A) #  (B) \ (C) % (D) /

94) Which of the following LaTeX commands is used to print mathematical symbol  $\neq$  ?

- (A) \neq (B) \eq (C) \eqn (D) \hash

95) Which of the following LaTeX command generate the set union symbol ?

- (A) \cup (B) \set union  
 (C) \cap (D) \union

### [13] Other useful Free Tools and Services [05]

96) Which of the following function is used to find minimum value from given list in 'R' ?

- (A) mini(list)  (B) min(list)  
 (C) max(list) (D) mean(list)

97) Which of the following function in 'R' displays a list of all the variables user has defined ?

- (A) ls() (B) lsa() (C) var(all) (D) var(ls)

98) Which of the following is a feature-rich media player ?

- (A) VAC (B) VNC  (C) VLC (D) VEC

99) Which of the following is one such software that allows us to make calls over internet using computer ?

- (A) 'R' Software (B) Rational Plan  
 (C) Skype (D) Character Call

100) Which of the following are different variants of Rational Plan ?

- (A) Single, Multi, Viewer  
 (B) Singular, Multiple  
 (C) View, Preview  
 (D) Server, Client



## Answers of Board's Exam Question Paper : March - 2023

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

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