

Computer (331) (E)

[TIME : 2:00 HRS.]

BOARD'S PAPER MARCH : 2016

TOTAL MARKS : 100]

- 1) In Java, which method of file class returns true if file exists, otherwise returns false ?
(A) boolean FileDir()
(B) boolean isFile()
(C) boolean listFile()
(D) boolean getFname()
- 2) Java supports which type of streams ?
(A) Byte stream (B) Character stream
(C) Both (A) and (B) (D) Binary Stream
- 3) In Java, which of the following is a subclass of Reader class ?
(A) InputStreamReader
(B) BufferedReader
(C) OutputStream
(D) Both (A) and (B)
- 4) In Java, which method of filewriter class is used to close the stream ?
(A) void close() (B) int break()
(C) void terminate() (D) quit()
- 5) In Java, scanner class can be used to perform which of the following operations ?
(A) Read from the file
(B) Parse a string separated by delimiters
(C) Accept input from keyboard
(D) All of above
- 6) In Java, which of the following is used as a separator between fields of a record ?
(A) Space (B) Variable
(C) Delimiter (D) Path
- 7) In Java, which method of console class reads a single line of text from the console ?
(A) String PrintLine() (B) Char getLine()
(C) Char Print() (D) String readLine()
- 8) In Java, read() method returns what to identify the end of data in the stream ?
(A) End (B) -1 (C) 1 (D) 0
- 9) Which of the following refers to a collection of data stored on a non-volatile device in a computer system ?
(A) File (B) Volatile data
(C) Hard disk (D) Application
- 10) Which of the following is a very popular LaTeX distribution available in the standard ubuntu repositories ?
(A) f Tex (B) d Tex
(C) Tex Live (D) geteX Live
- 11) Which of the following file extension is used by LaTeX ?
(A) .ext (B) .tex (C) .lat (D) .ltx
- 12) We can compile the LaTeX document by issuing which command at command prompt ?
(A) pdftax filename (B) pdfplat filename
(C) pdfext filename (D) pdflatex filename
- 13) LaTeX command starts with which character, followed by the command name ?
(A) - (B) \ (C) \$ (D) *
- 14) In LaTeX document, if we want to insert a break in lines which command we will use at the end of each line except last line in paragraph ?
(A) . (B) ; (C) \\ (D) :
- 15) Which of the following character is known as reserved character in LaTeX ?
(A) # (B) \$
(C) % (D) All of these
- 16) Which of the following website hosts the LaTeX packages ?
(A) CTEN (B) CTAN (C) CWAN (D) CLEN
- 17) By default elements are assigned number upto which level that is upto subsections in LaTeX ?
(A) Level 6 (B) Level 4
(C) Level 2 (D) Level 3
- 18) If compilation was successful, you may select which menu option to view file in default document viewer in LaTeX ?
(A) Tools → Run
(B) File → Run
(C) Edit → Compile → Go
(D) Tools → Go

- 19) In LaTeX packages like amsmath, amssymb and amsfonts is created by which of the following society ?
 (A) Russian Mathematical Society
 (B) Indian Mathematical Society
 (C) European Mathematical Society
 (D) American Mathematical Society
- 20) Which of the following Mathematical symbol is used in LaTeX ?
 (A) < (B) #
 (C) = (D) All of these
- 21) Which of the following operator is used to denote a subscript or an index in LaTeX ?
 (A) \leq (less than equal to)
 (B) ^ (caret)
 (C) - (minus) (D) _ (underscore)
- 22) Which of the following part of LaTeX document contains the metadata ?
 (A) Preface (B) Preamble
 (C) TOC (D) Environment
- 23) In LaTeX, which of the following begins with \begin {name} and ends with \end {name} ?
 (A) Group (B) Environment
 (C) Preamble (D) Section
- 24) Which document class is used for creating presentation slides and it automatically sets larger font size in LaTeX ?
 (A) Impress (B) Beamer
 (C) Slides (D) Article
- 25) In Java, at which level platform independence is possible due to bytecode interpreter ?
 (A) Browser (B) Source
 (C) Machine (D) Binary
- 26) In Java, the machine language for Java virtual machine is known as which code ?
 (A) Java filecode (B) Java bytecode
 (C) Java intcode (D) Java sourcecode
- 27) To compile the java program we have to type what in front of source file name ?
 (A) javac filename.java (B) javad filename
 (C) java filename.html (D) javas filename.java
- 28) If Java program is compiled without any error we can execute it in SciTE editor by which menu ?
 (A) Compile → Run → Go
 (B) Edit → Go
 (C) Tools → Go (D) File → Go
- 29) Java supports how many primitive data types ?
 (A) 12 (B) 8 (C) 11 (D) 10
- 30) What is the storage space for datatype float in Java ?
 (A) 4 bytes (B) 2 bytes
 (C) 1 byte (D) 8 bytes
- 31) Real numbers in Java are compliant with which of the following ?
 (A) IEE 36 (B) JEE 16
 (C) IEEE 780 (D) IEEE 754
- 32) In Java, variable name should begin with which of the following ?
 (A) Alphabet (B) Underscore (_)
 (C) Dollar sign (\$) (D) All of these
- 33) In Java, a name used for constant value is known as what ?
 (A) String return (B) Literal
 (C) Unicode Quote (D) EBCDIC
- 34) Java 7 also supports binary numbers, using digits 0 and 1 but it should be prefix by which of the following ?
 (A) 0b or 0B (B) B
 (C) B1 (D) B0
- 35) In Java, for type boolean there are precisely two literals, which are they ?
 (A) Y and N (B) 1 and 0
 (C) True and False (D) Yes and No
- 36) In Java, characters are stored by how many bit Unicode characters ?
 (A) 36 - bit (B) 4 - bit
 (C) 8 - bit (D) 16 - bit
- 37) String literals in Java is a sequence of characters which can be enclosed in which of the following ?
 (A) Dollar (\$) (B) Double quotes (" ")
 (C) Back quotes (` `) (D) Single quotes (' ')

- 38) In Java, documentation comments begins and ends with which of the following ?
 (A) /** and */ (B) /* and */
 (C) /* and / (D) //
- 39) Arithmetic operators in Java, can be applied on which numeric data ?
 (A) short (B) float
 (C) byte (D) All of these
- 40) In Java, which of the following is known as unary operators for increment and decrement operator ?
 (A) >= and <= (B) + and -
 (C) == and != (D) ++ and --
- 41) Which of the following is considered as comparison operator in Java ?
 (A) = (B) / (C) % (D) !=
- 42) In Java, logical operators are also called which of the following operators if they operate on Boolean operands ?
 (A) Assignment Operator
 (B) Boolean Operator
 (C) Increment Operator
 (D) Relational Operator
- 43) In Java, conditional operator uses which two symbols in expression to delimit three operands ?
 (A) ? and * (B) . and :
 (C) ? and : (D) ; and ;
- 44) In Java, a block statement is a group of statements enclosed between which pair of braces ?
 (A) [/ /] (B) { } (C) () (D) []
- 45) In Java, which of the following consist of attributes and methods ?
 (A) Instance (B) Variables
 (C) Object (D) Class
- 46) Which keyword is used to create the object which allocates memory in Java ?
 (A) new (B) add (C) ins (D) create
- 47) In Java, what is called to initialize the newly created object ?
 (A) Classes (B) Reference variable
 (C) Syntax variable (D) Constructor
- 48) All instances of class are allocated memory in data structure in Java and it is known as which of the following ?
 (A) Directory (B) File
 (C) Heap (D) Buffer
- 49) Instance variables and instance methods in Java are accessed via objects and they can be referred by using which operator ?
 (A) Arithmetic operator (+)
 (B) Dot operator (.)
 (C) Assignment operator (=)
 (D) Colon operator (:)
- 50) Values of class variables are stored where in Java ?
 (A) class (B) file
 (C) instance (D) dir
- 51) In Java, variables defined inside methods or blocks are called which variables ?
 (A) Global variable (B) Instance variable
 (C) Class variable (D) Local variable
- 52) In Java, different forms of methods with same name is known as which of the following ?
 (A) Composition (B) Polymorphism
 (C) Mutators (D) Inheritance
- 53) Which access modifiers can be used before the type of variable or method in Java ?
 (A) Public (B) Protected
 (C) Private (D) All of these
- 54) By using which access modifier, allows access only to subclass or to share with the methods declared as "friend" in Java ?
 (A) Package (B) Protected
 (C) Private (D) Public
- 55) In Java, if we want protected data to be modified by others then which methods are to be written ?
 (A) Accessor (B) Getter
 (C) Mutator (D) Both (A) and (B)
- 56) In Java, if we want to allow other methods to read only data value of our program we should use which method ?
 (A) setter (B) getter
 (C) mutator (D) Both (A) and (C)

- 57) In Java, which of the following allows us to build new class with added capabilities by extending existing class ?
 (A) Aggregation (B) Polymorphism
 (C) Composition (D) Inheritance
- 58) Inheritance model consist of which type of relationship between two classes in Java ?
 (A) 1 : M (B) is - a (C) 1 : 1 (D) has - a
- 59) In java, a sub class inherits all instance variables and methods from which class ?
 (A) Derived class (B) Instance class
 (C) Super class (D) Child class
- 60) Composition and aggregation establish which type of relationship between classes in java ?
 (A) has - a (B) is - a (C) was - a (D) as - a
- 61) In Java, 'visibility modifiers' 'protected' members are available as which members in the inherited subclass ?
 (A) Object (B) Public
 (C) Instance (D) Private
- 62) In Java, while using inheritance - "Child class" can be referred to as which of the following ?
 (A) Sub class (B) Derived class
 (C) Extended class (D) All of these
- 63) Which of the following is the keyword used to refer a super class constructor in sub class constructor ?
 (A) Name of subclass (B) New
 (C) Super (D) Extends
- 64) In Java, which variables are defined with in a class, outside any method with static keyword ?
 (A) Global variable (B) Class variable
 (C) Instance variable (D) Local variable
- 65) In Java, arrays are useful to represent which type of data ?
 (A) Vector (B) Matrix
 (C) Multi - dimensional (D) All of these
- 66) In Java, what is used to represent 2 - D data structure like table of rows and columns ?
 (A) Scalar (B) Vector
 (C) Element (D) Matrix
- 67) In Java, to declare a 1 - D array we use a pair of which brackets after array name or after datatype ?
 (A) < > (B) [] (C) { } (D) ()
- 68) If 'str' is the object of string class and its content is "Hello" then what is the value of str.length () ?
 (A) error (B) 8 (C) 5 (D) 7
- 69) In Java, which of the following method can be used with java.util.Arrays class ?
 (A) sort () (B) fill ()
 (C) alert () (D) Both (A) and (B)
- 70) In Java, to search an element in an array, Arrays class provides which method ?
 (A) Binarysearch () (B) Stringsearch ()
 (C) Elementsearch () (D) LineIndsearch ()
- 71) In Java, 2 - D array can be declared in which of the following correct way ?
 (A) int marks () () = new int (5), (3);
 (B) int marks [] () = new int (5) (3);
 (C) int marks = int [5], [3];
 (D) int marks [] [] = new int [5] [3];
- 72) Java supports two types of strings that are handled by which of the following class or classes ?
 (A) String class (B) StringBuffer class
 (C) Both (A) and (B)
 (D) String Constructor class
- 73) In Java, who creates a string object with its initial value using ary argument ?
 (A) String (ary [object] [])
 (B) String (char ary [])
 (C) String (ary [] , int len)
 (D) String (ary ())
- 74) In Java, characters are stored using how many bytes ?
 (A) 16 bytes (B) 4 bytes
 (C) 8 bytes (D) 2 bytes
- 75) Which are the methods provided by string class in Java ?
 (A) To compare strings
 (B) Find length of strings
 (C) Combining strings
 (D) All of above

- 76) In Java which string class method returns true if invoking string is same as str ?
 (A) int equals (string boolean)
 (B) boolean (Ignore case str)
 (C) boolean equals (string str)
 (D) boolean (string)
- 77) In Java, which string class method returns a string after appending str with the invoking string ?
 (A) String combine (str)
 (B) String concat (string str)
 (C) String add (str)
 (D) String join (str)
- 78) Java library also provides date class in which of the following package ?
 (A) java.attr (B) java.lang
 (C) java.expr (D) Java.util
- 79) In Java, which method of date class constructs date object using current system time ?
 (A) get Time () (B) get Date ()
 (C) Date () (D) Date Time ()
- 80) In Java, which method of date class sets new date and time of an object using elapsed time ?
 (A) Short getTime ()
 (B) Void SetTime (long elapsed time)
 (C) Void SetDate (Date, Time)
 (D) SetDate ()
- 81) In Java, which constant of calendar class displays day of calendar month ?
 (A) DATE (B) DAY (date)
 (C) month (D) MONTH (date)
- 82) In Java, what are the values used for AM_PM constant of calendar class ?
 (A) 1 for AM, 12 for PM
 (B) 1 for AM, 0 for PM
 (C) 1 for AM, 2 for PM
 (D) 0 for AM, 1 for PM
- 83) In Java, which constant of calendar class displays Hour in 12 - hour notation ?
 (A) H_M_S (B) HOUR
 (C) HOUR_MINUTE (D) HOUR_OF_DAY
- 84) In Java, by how many ways we can create an array object ?
 (A) Null (B) Three (C) Two (D) One
- 85) In Java, an indication of a problem that occurs during a program's execution, usually signals an error is known as which of the following ?
 (A) Exception (B) Aggregation
 (C) Anomaly (D) Deviation
- 86) In Java, errors can be broadly classified into which category ?
 (A) Compile - time errors
 (B) Arithmetic errors
 (C) Run - time errors
 (D) Both (A) and (C)
- 87) In Java, if there is a syntax error in the program we will get compilation error and will not be able to create which file ?
 (A) .javac (B) .code (C) .obj (D) .class
- 88) While running java program in SciTE editor, which code indicates that the commands executed is successful ?
 (A) Code "No errors" (B) Code "0"
 (C) Code "Zero error" (D) Code "1"
- 89) Which of the following package in Java, contains a hierarchy of classes dealing with various exceptions ?
 (A) java.lang (B) java.io
 (C) java.pac (D) Both (A) and (B)
- 90) In Java, when an attempt is made to access the array element with an index value that is outside the range of array which exception class is used ?
 (A) FileNotFoundException
 (B) ArrayIOException
 (C) ArrayIndexOutOfBoundsException
 (D) NullArrayException
- 91) In Java, an object - oriented technique for managing errors is known as which of the following ?
 (A) Error Definition
 (B) Anomaly Handling
 (C) Termination Handling
 (D) Exception Handling

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| <p>92) In Java, try statement contains a block of statement written within which braces ?
(A) { } (B) < > (C) [] (D) ()</p> <p>93) In Java, a catch block consists of keyword catch followed by how many parameter ?
(A) 1 (Single) (B) 4
(C) 2 (D) 3</p> <p>94) In Java program which block is generally used to clean up at the end of executing a try block ?
(A) Event (B) Finally (C) Catch (D) Throws</p> <p>95) In Java program, which block is widely used if a file needs to be closed or a critical resource is to be released at the completion of program ?
(A) Event (B) Finally (C) Catch (D) Try</p> <p>96) In Java program, when a throw statement is encountered a search for matching which block begins ?
(A) Event (B) Finally (C) Catch (D) Try</p> | <p>97) Storage device of computer system can be broadly classified into which of the following category ?
(A) Volatile storage (B) Non-volatile storage
(C) Dynamic storage (D) Both (A) and (B)</p> <p>98) File can exist on which of the following permanent storage device ?
(A) Hard disk (B) Compact disc
(C) Optical disk (D) All of these</p> <p>99) Which of the following extension is used for binary files ?
(A) .jpeg (B) .MP3
(C) .class (D) All of these</p> <p>100) In Java, which class encapsulates information about the properties of a file or a directory ?
(A) java.io.object.Fd (B) java.lang.Dir
(C) java.util.Dir (D) java.io.File</p> |
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Answers of Board Question Paper March – 2016

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| (1 – B) | (2 – C) | (3 – D) | (4 – A) | (5 – D) | (6 – C) | (7 – D) | (8 – B) | (9 – B) | (10 – C) |
| (11 – B) | (12 – D) | (13 – B) | (14 – C) | (15 – D) | (16 – B) | (17 – C) | (18 – D) | (19 – D) | (20 – D) |
| (21 – D) | (22 – B) | (23 – B) | (24 – C) | (25 – D) | (26 – B) | (27 – A) | (28 – C) | (29 – B) | (30 – A) |
| (31 – D) | (32 – D) | (33 – B) | (34 – A) | (35 – C) | (36 – D) | (37 – B) | (38 – A) | (39 – D) | (40 – D) |
| (41 – D) | (42 – B) | (43 – C) | (44 – B) | (45 – D) | (46 – A) | (47 – D) | (48 – C) | (49 – B) | (50 – A) |
| (51 – D) | (52 – B) | (53 – D) | (54 – B) | (55 – C) | (56 – B) | (57 – D) | (58 – B) | (59 – C) | (60 – A) |
| (61 – D) | (62 – D) | (63 – C) | (64 – B) | (65 – D) | (66 – D) | (67 – B) | (68 – C) | (69 – D) | (70 – A) |
| (71 – D) | (72 – C) | (73 – B) | (74 – D) | (75 – D) | (76 – C) | (77 – B) | (78 – D) | (79 – C) | (80 – B) |
| (81 – A) | (82 – D) | (83 – B) | (84 – C) | (85 – A) | (86 – D) | (87 – D) | (88 – B) | (89 – D) | (90 – C) |
| (91 – D) | (92 – A) | (93 – A) | (94 – B) | (95 – B) | (96 – B) | (97 – D) | (98 – D) | (99 – D) | (100 – D) |
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- 1) In HTML form which tag is used to implement input element ?
(A) <form>...</form>
(B) <input>...</input>
(C) <Execute>...</Execute>
(D) <type>...</type>
- 2) Which values are used to specify method attribute of form ?
(A) get and set (B) get and post
(C) get and put (D) set and got
- 3) Generally, in HTML form which input element is used to select multiple items from a given group of items ?
(A) textbox (B) radiobutton
(C) checkbox (D) passwordbox
- 4) What is the full form of IDE ?
(A) Integrated Development Environment
(B) International Development Environment
(C) Indian Development Environment
(D) Integrated Document Environment
- 5) Which website is used to download Kompozer free of cost ?
(A) www.kompozer.com
(B) www.kompozer.net
(C) www.kompozer.co.in
(D) All of these
- 6) Which tool of Kompozer is used to give rapid access to the files on both local machine and remote servers ?
(A) Site Manager
(B) Page Manager
(C) Document Manager
(D) None of the above
- 7) Which toolbar is used to format text, add bullets, numbering and perform similar formatting operations ?
(A) Composition toolbar
(B) Format toolbar1 (C) Format toolbar2
(D) Both (B) and (C)
- 8) Which extension is used to save website file made in Kompozer ?
(A) .html (B) .src (C) .C (D) .komp
- 9) From the following what is used to describe the style of elements in the documents ?
(A) Selector (B) Declaration
(C) Cascading stylesheet
(D) Animation
- 10) H1 {Color:green}. In this CSS statement which is selector ?
(A) H1 (B) Color
(C) green (D) All of these
- 11) From the following which is the advantage of CSS ?
(A) To change the style of an element only needs to make modifications in the CSS file.
(B) CSS has less codes compared to that in HTML.
(C) CSS makes website designing quick and efficient.
(D) All of these
- 12) Using which language, a webpage no longer remains static, but can include coding that allows interactivity with the user, control the browser and dynamically create content ?
(A) HTML (B) Javascript
(C) CSS (D) Animation
- 13) From the following which tag is inserted to JavaScript code in HTML webpage ?
(A) <style>...</style> (B) <script>...</script>
(C) <Js>...</JS> (D) <title>...</title>
- 14) In JavaScript, which event handler is used to event click ?
(A) byClick() (B) onClick()
(C) ofClick() (D) onCliking()
- 15) In JavaScript, which method is used to display content in browser ?
(A) document.write() (B) browser.write()
(C) script.write() (D) method.write()

- 16) Which keyword is used to declare variable in JavaScript ?
 (A) Variable (B) Var
 (C) Viaria (D) Java Var
- 17) What is a reusable block of code that performs a particular task in JavaScript ?
 (A) function (B) if statement
 (C) variable (D) method
- 18) In JavaScript which object is on the top of the level in browser object model ?
 (A) document (B) window
 (C) form (D) button
- 19) From the following which is the purpose of developing website ?
 (A) To provide information to a group of people.
 (B) To attract new customers.
 (C) To sell the products online.
 (D) All of these
- 20) What should be the information of website ?
 (A) incomplete, relevant
 (B) incomplete, irrelevant
 (C) complete, relevant
 (D) complete, irrelevant
- 21) To insert a table in webpage of Kompozer which menu is used ?
 (A) Format → Table (B) Insert → Table
 (C) View → Table (D) Modify → Table
- 22) In Kompozer, which menu-option is used to change the page title of webpages ?
 (A) Format → Page Title and Properties
 (B) Format → Heading
 (C) Insert → Heading
 (D) Insert → Heading and Subheading
- 23) Which is a variable that is stored on the user's computer, that is useful as they provide feature to remember and track preferences, purchases and commissions ?
 (A) Boolean (B) Integer
 (C) Cookie (D) Float
- 24) Which process means to transfer the web pages, images and stylesheets related to the site, to a webserver from which they may be accessed by the users ?
 (A) Downloading (B) To publish a website
 (C) Website Processing (D) None of the above
- 25) From the following which is a powerful open source IDE that provides multiple language support to HTML, CSS, JavaScript, Ruby, Rails, PHP, Python ?
 (A) Amaya (B) Aptana Studio
 (C) Blue Griffon (D) JavaScript
- 26) From the following which is free open source WYSIWYG web editor and it was initially started as an HTML/CSS editor ?
 (A) Amaya (B) Aptana Studio
 (C) Blue Griffon (D) JavaScript
- 27) Which is a famous online bookstore ?
 (A) www.amazon.com (B) www.irctc.com
 (C) tradeindia.com (D) bidstall.com
- 28) From the following which are the examples of B2C E-commerce business models ?
 (A) fabmart.com (B) flipkart.com
 (C) amazon.com (D) All of these
- 29) From the following which is a limitation of E-commerce ?
 (A) Conduct Business 24 × 7
 (B) Speed
 (C) No boundaries or Geographical limitations
 (D) Security
- 30) Which model refers to E-commerce activities between different business partners ?
 (A) Government to Business
 (B) Consumer to Consumer
 (C) Business to Business
 (D) Business to Consumer
- 31) From the following who represents B2B E-commerce business model ?
 (A) www.tradeindia.com
 (B) www.commodity.com
 (C) Both (A) and (B) (D) JeetLe.in
- 32) From the following which E-commerce business model involves reverse question where the consumers determine the prices of the product or services ?
 (A) Online auction (B) Register
 (C) Shop of Books (D) Sales and Marketing

- 33) Which network developed by the Gujarat Government provides information regarding various government departments, different application forms to be used to citizens ?
 (A) GSWAN (B) MSWAN
 (C) ASWAN (D) RSWAN
- 34) What refers to buying and selling by mobile phone ?
 (A) M-Shop (B) M-Business
 (C) M-Commerce (D) Phone-Shop
- 35) Which of the following security aspects of E-commerce/M-commerce ensures that the information must not be accidentally or maliciously altered or tampered in transit ?
 (A) Confidentiality (B) Integrity
 (C) Non-repudiation (C) Authorization
- 36) From the following which is internet security threat in which there is electronic detaching of an existing web page ?
 (A) Malicious code (B) Sniffing
 (C) Cyber Vandalism
 (D) Denial of service attack
- 37) What is an art of transformation of normal text known as "Plain text" into unreadable or secret text known as "Cipher text" ?
 (A) Firewall (B) Encryption
 (C) Decryption (D) Digital certificate
- 38) Who has developed SSL Protocol which is used for securing web transaction on the internet ?
 (A) Firefox (B) Yahoo
 (C) Netscape (D) Google
- 39) Who provides the author with a tool to protect his/her original work from being used or taken by others without permission ?
 (A) Copyright (B) Trademark
 (C) Steganography
 (D) Digital watermarking
- 40) When did object-oriented programming start ?
 (A) 1950 (B) 1960 (C) 1970 (D) 1980
- 41) From the following what is best suited for Java ?
 (A) Procedural programming language
 (B) Query language
 (C) Object-oriented programming language
 (D) Structure oriented programming language
- 42) From the following what is a template for multiple objects with similar features ?
 (A) Attribute (B) Behaviour
 (C) Class (D) Method
- 43) Unified Modelling Language (UML) defined and maintained by whom ?
 (A) IMG (B) PMG (C) OMG (D) CMG
- 44) Which of the following is enabled by data abstraction ?
 (A) Data protection
 (B) Data hiding
 (C) To hide implementation details of method manipulating the data
 (D) All of these
- 45) In object-oriented programming, data and methods that manipulate data are guarded against modification or misuse by other components of program are known as what ?
 (A) Data Abstraction (B) Encapsulation
 (C) Messaging (D) Polymorphism
- 46) In class diagram, Aggregation is represented using which of the following symbols ?
 (A) Empty diamond symbol
 (B) Filled diamond symbol
 (C) Empty triangle symbol
 (D) All of these
- 47) In object oriented terminology, existing class is also known as which class in inheritance ?
 (A) Super class (B) Parent class
 (C) Sub class (D) (A) or (B)
- 48) From the following which is considered as one of the ideal language for distributing executable programs and also general purpose programming languages for developing programs that are easily usable and portable across different platforms ?
 (A) 'C' language (B) Java
 (C) Visual Basic (D) JavaScript
- 49) Which extension is used to source file of Java language written in a text editor ?
 (A) .class (B) .html (C) .jpg (D) .java

- 50) From the following which methods are used to display results ?
 (A) System.out.print()
 (B) System.out.println()
 (C) Both (A) and (B)
 (D) System.print.display()
- 51) In Java, the program is compiled without any error, which command is used to execute it ?
 (A) Tools → Go (B) Tools → Run
 (C) Tools → Build (D) Tools → Compile
- 52) How many primitive data types are there in Java ?
 (A) 5 (B) 6 (C) 7 (D) 8
- 53) From the following which are the examples of reserved words in Java ?
 (A) class (B) public
 (C) static (D) All of these
- 54) A name used for a constant value is known as what in Java ?
 (A) String (B) Array
 (C) Literal (D) Class
- 55) Which sign is used to insert single line comment in Java ?
 (A) /* and */End (B) /** and */End
 (C) // (D) #
- 56) From the following which is not logical operator in Java ?
 (A) AND (B) OR
 (C) NOT (D) is equal to
- 57) From the following which is true syntax of conditional operator ?
 (A) <boolean-expression>=<expression1>=<expression2>
 (B) <boolean-expression>?<expression1>:<expression2>
 (C) <boolean-expression>;<expression1>?<expression2>
 (D) <boolean-expression>=<expression1>:<expression2>
- 58) In Java, a class is defined using which keyword ?
 (A) Class (B) Public
 (C) Static (D) Main
- 59) Which steps are followed to create an object from a class ?
 (A) Declaration (B) Instantiation
 (C) Initialization (D) All of these
- 60) In object-oriented programming (OOP) languages what is known for creating an object ?
 (A) Object Instantiation
 (B) Object creation
 (C) Object Making
 (D) None of the above
- 61) Variables defined inside methods or blocks are known as which type of variable ?
 (A) Local variables (B) Instance variables
 (C) Class variables (D) Block variables
- 62) Which word means "many forms": different forms of methods with same name in Java ?
 (A) Inheritance (B) Polymorphism
 (C) Aggregation (D) Composition
- 63) In Java, from the following which visibility modifiers are used to protect a method or variable from another class ?
 (A) Public (B) Package
 (C) Protected and Private
 (D) All of these
- 64) In Java class, which operator is used to access instance variable and instance method via object ?
 (A) : (colon) (B) ; (semicolon)
 (C) . (dot) (D) , (comma)
- 65) If we want to allow data to be used by others then we write which type of method in Java ?
 (A) getter (B) setter (C) main (D) void
- 66) In Java, which type of visibility modifiers level of protection is used to allow the access only to subclasses or to share with the methods declared as "friend" ?
 (A) Public (B) Package
 (C) Protected (D) Private
- 67) Highest level of protection can be achieved by using which visibility modifiers protection level in Java ?
 (A) Public (B) Package
 (C) Protected (D) Private

- 68) What is a variable representing a collection of homogeneous types of elements known in Java ?
 (A) String (B) Array
 (C) Input (D) Element
- 69) Which of the following refers to the starting index value in arrays in Java ?
 (A) 3 (B) 2 (C) 1 (D) 0
- 70) Which type of method is used to sort entire or part of array in Java ?
 (A) sort() (B) fill()
 (C) show() (D) search()
- 71) Which syntax is used to declare 1-dimensional array ?
 (A) <datatype> <arrayname> [] ;
 (B) <datatype> [] <arrayname>;
 (C) (A) or (B)
 (D) <arrayname> [] < datatype>;
- 72) Which property is used with only array name returns the size of its first dimension in Java ?
 (A) 'size' (B) 'width'
 (C) 'length' (D) 'byte'
- 73) In Java, String literals, a sequence of characters is enclosed between which sign ?
 (A) ' ' (single quote) (B) " " (double quotes)
 (C) < > (D) /*...*/
- 74) In Java, from the following which string methods are provided by string class ?
 (A) To compare strings
 (B) Combining strings, converting strings
 (C) To find length of string
 (D) All of these
- 75) Which string method returns number of characters in invoking string in Java ?
 (A) int length() (B) int byte()
 (C) int getByte() (D) int getlength()
- 76) Java library provides Date class in which package ?
 (A) java.lang (B) java.io
 (C) java.util (D) java.date
- 77) Which constant defined for month of calendar of calendar class in Java ?
 (A) month (B) MONTH
 (C) DATE (D) YEAR
- 78) From the following which is an indication of a problem that occurs during a program's execution, it usually signals an error ?
 (A) Console (B) Exception
 (C) Scanner (D) Sourcecode
- 79) Errors can be broadly classified into which types when executing of program in Java ?
 (A) Compile-time errors
 (B) Run-time errors
 (C) Both (A) and (B)
 (D) Linking errors
- 80) In the field of computer science, which sign indicates that the command executed successfully ?
 (A) Exit Code 1 (B) Exit Code 0
 (C) Exit Code-1 (D) All of these
- 81) From the following which block is used to monitor for exceptions in Java ?
 (A) Try block (B) Catch block
 (C) Finally block (D) All of these
- 82) From the following which element is not placed in try block ?
 (A) Try keyword (B) Catch keyword
 (C) Curly brackets
 (D) Give rise to one or more exceptions
- 83) Which keyword is used to explicitly throw an exception object in Java ?
 (A) Try keyword (B) Catch keyword
 (C) Throw keyword (D) Finally
- 84) Storage device of a computer system can be broadly classified into which categories ?
 (A) Volatile storage
 (B) Non-volatile storage
 (C) Both (A) and (B) (D) Binary storage
- 85) From the following which is not binary file extension ?
 (A) .jpeg (B) .mp3 (C) .class (D) .txt
- 86) Which method of file class returns true value if the file or directory is hidden in Java ?
 (A) boolean isHidden()
 (B) boolean isFile()
 (C) long length() (D) boolean exists()

- 87) When we write data to stream. Which type of stream is known in Java ?
 (A) Writer Stream (B) Output Stream
 (C) Input Stream (D) Reader Stream
- 88) Character stream is classified into how many classes ?
 (A) 1 (B) 2 (C) 3 (D) 4
- 89) The data hierarchy occurs in which of the following order from the smallest to largest piece of data ?
 (A) file : character : record : field
 (B) file : character : field : record
 (C) character : field : file : record
 (D) character : field : record : file
- 90) Which text editor is used to create LaTeX document ?
 (A) SciTE (B) gedit
 (C) Notepad (D) (A) or (B)
- 91) From the following which are the reserved characters in LaTeX ?
 (A) #, % (B) \$
 (C) & (D) All of these
- 92) Give name of CTAN ?
 (A) Comprehensive Tec Archive Network
 (B) Compressed Text Network
 (C) Compulsory Test Network
 (D) Common Test Network
- 93) Which extension is used in LaTeX file ?
 (A) .lex (B) .tex (C) .tel (D) .let
- 94) In LaTeX file, if the compilation was successful, which shortcut key is used to view the file in document viewer ?
 (A) F7 (B) F5 (C) F8 (D) F9
- 95) Which of the following characters is used to mark a comment in LaTeX ?
 (A) \$ (B) # (C) % (D) &
- 96) For convenience to place a whole directory structure into a single file is called what ?
 (A) Archive file (B) Java file
 (C) Video file (D) Text file
- 97) Which menu is used to save playlist in VLC media player ?
 (A) Media → Playlist → Save
 (B) Media → Save playlist to file
 (C) Media → Save
 (D) View → Playlist
- 98) From the following which different type of view can show the information of a place in Google maps ?
 (A) Map view (B) Satellite view
 (C) Both (A) and (B) (D) None of these
- 99) Which command is used to quit from 'R' software ?
 (A) q() (B) quit () (C) exit() (D) close()
- 100) Which services are provided by skype software in computer ?
 (A) Free phone calls (B) Video conferencing
 (C) Text file transfers (D) All of these

Answers of Board Question Paper March – 2016

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



- 1) How many tabs are shown in table properties dialog box of KompoZer ?
(A) four (B) two (C) five (D) one
- 2) Which of the following gives a gap between the edge of the cell and the text within it in table properties dialog box ?
(A) Caption (B) Spacing
(C) Padding (D) Border
- 3) Which of the following is used to specify gap between cells in Table properties dialog box ?
(A) Caption (B) Spacing
(C) Padding (D) Border
- 4) Height and width of table can be specified in which of the following ways ?
(A) Not pixels nor % of the windows
(B) Pixels or % of the windows
(C) Only % of the windows
(D) Only in pixels
- 5) Which of the following radio button is clicked in Image properties dialog box if you do not want to give alternate text ?
(A) Hide Alternate text
(B) Alternate text
(C) Don't use alternate text
(D) Show alternate text
- 6) Which of the following tabs are shown in Image properties dialog box of KompoZer ?
(A) Location, Dimensions, Appearance, List
(B) Locate, Dimension, Apply, Link
(C) Locate, Dimension, Apply, List
(D) Location, Dimensions, Appearance, Link
- 7) Which of the following offers limited free space on the web server ?
(A) Internet Space Provider
(B) Internet Service Postart
(C) Internet Service Provider
(D) Indian Service Postcard
- 8) Which of the following menu is selected to publish a site in KompoZer ?
(A) File → Publish (B) Insert → Publish
(C) View → Publish (D) Tools → Publish
- 9) Which of the following can be done on cookies ?
(A) read, created, modified, deleted
(B) read, created
(C) only read, only viewed
(D) only read & deleted
- 10) Which of the following is a variable that is stored on the User's computer ?
(A) HTML (B) Cookie (C) Java (D) Integer
- 11) Which of the following filename is the home page of the website saved as ?
(A) one.html (B) first.html
(C) home.html (D) index.html
- 12) Which of the following is not a property of E-commerce ?
(A) spreads across many other developing area for doing business and other activities
(B) auction of goods
(C) spreads to limited area only
(D) trading of goods
- 13) E-newspaper is a newspaper that exists on the internet in which of the following form ?
(A) Traditional form (B) Hard form only
(C) Digital form (D) Text form only
- 14) Which of the following banking is the process of conducting the banking transaction over the internet ?
(A) online (B) offline (C) cardline (D) interline
- 15) Which of the following factors is not playing an important role for the growth of E-commerce in India ?
(A) Electronic devices without internet like, computer, mobile & tablet
(B) Availability of much wider product range
(C) Busy lifestyles for traditional shopping
(D) Increase in use of mobile devices

- 16) Which of the following is not an advantage of E-commerce ?
 (A) Eliminate travel time & cost
 (B) Lack of trust
 (C) Speed
 (D) Conduct business 24×7
- 17) Which of the following Business model refers to business and organizations that sells products or services to consumers over the internet using websites ?
 (A) C2B (B) B2B (C) C2C (D) B2C
- 18) Which of the following is example of B2C website ?
 (A) fabmart.com (B) tradeindia.com
 (C) commodity.com (D) bidstall.com
- 19) Which of the following business model enables the business to form e-relationship with their suppliers, distributors and other agents ?
 (A) C2B (B) B2C (C) B2M (D) B2B
- 20) Which of the following network is developed by Gujarat Government ?
 (A) GSAN (B) GWAN (C) SWAN (D) GSWAN
- 21) Which of the following is also a part of E-governance ?
 (A) C2B (B) B2B (C) G2C (D) C2C
- 22) Which of the following business model refers to E-commerce activities involving transaction between and among the consumers ?
 (A) C2C (B) B2C (C) G2C (D) G2G
- 23) Which of the following is an example for online bookstore ?
 (A) Amazon.com (B) Irctc.com
 (C) Irctc.org (D) PNB.com
- 24) Which of the following is the process of buying and selling products by offering the customers to bid the price ?
 (A) Marketing (B) Auction
 (C) Bookshop (D) Action
- 25) Who issues the credit card and guarantees the payment to the merchant ?
 (A) Customer (B) Issuing bank
 (C) Acquiring bank (D) Merchant
- 26) Which of the following card stores 100 times more information than the normal card ?
 (A) Visiting card (B) Smash card
 (C) Smart card (D) Debit card
- 27) Which of the following is not a symbol for trademark ?
 (A) ® (B) SM (C) PM (D) TM
- 28) Which of the following is the process of hiding information with in other information ?
 (A) Copyright (B) Steganography
 (C) Name changing (D) Squatting
- 29) Which of the following means transferring money from one bank account to another electronically ?
 (A) Electronic Funds Travellers
 (B) Electronic Funds Trollers
 (C) Electronic Force Transfer
 (D) Electronic Fund Transfer
- 30) Which of the following protocol is used for securing web transactions on the internet ?
 (A) RTp (B) SLS (C) http (D) SSL
- 31) Which of the following is the transformation of normal text known as "plain text" into unreadable or secret text known as "cipher text" using encryption algorithm ?
 (A) Digital certificate (B) Encryption
 (C) Antivirus software (D) Firewall
- 32) Which of the following is the transformation of encrypted text back into normal text ?
 (A) Digital Certificate (B) Firewall
 (C) Virus (D) Decryption
- 33) Which of the following is the most accurate in determining a mobile device's position ?
 (A) MDP (B) GPS (C) MPS (D) PSP
- 34) Which of the following software program detects & prevents and takes action to remove the malicious codes from the infected system ?
 (A) Foxpro (B) Cobol
 (C) Asp.net (D) Antivirus
- 35) Which of the following has launched new card payment mechanism RuPay ?
 (A) INCP (B) RPCI (C) RUCI (D) NPCI
- 36) Which of the following card is not required to provide the credit/debit card number while making payment ?
 (A) D - wallet (B) E - wallet
 (C) C - wallet (D) L - wallet

- 37) In which year, object oriented programming concepts started originating ?
 (A) 1960 (B) 1955 (C) 1985 (D) 1957
- 38) The way of programming is divided into how many categories ?
 (A) six (B) three (C) two (D) four
- 39) A computer language is object oriented, if they support which of the following object properties ?
 (A) abstract, extract, concept, inherit
 (B) abstraction, encapsulation, polymorphism, inheritance
 (C) abstraction, extract, polarisation, inheritance
 (D) abstraction, capsulation, morphism, heritance
- 40) Which of the following presents a collection of classes, constraints and relationship among classes ?
 (A) Object diagram (B) Group diagram
 (C) Model diagram (D) Class diagram
- 41) In UML notation, visibility can be private, protected, public or package, where protected is represented using which symbol ?
 (A) * (B) \$ (C) # (D) %
- 42) Which of the following members of the class are not available directly to outside world ?
 (A) Position (B) Private
 (C) Pure (D) Public
- 43) Which of the following is the mechanism of providing protection to data and methods of a program ?
 (A) Abstraction (B) Messaging
 (C) Encapsulation (D) Morpism
- 44) Which of the following is a concept that hides the complexity; it says what it does, but not how it is done ?
 (A) Abstraction (B) Messaging
 (C) Alert (D) Encapsulation
- 45) Which of the following feature of object oriented programming allows defining more than one method having same name but different signature in a single class ?
 (A) Alert (B) Method overloading
 (C) Abstract (D) Messaging
- 46) Which of the following represents non-exclusive relationship between two classes ?
 (A) Aggregation (B) Application
 (C) Composition (D) Compose
- 47) Aggregation represents which type of relationship between classes ?
 (A) an - a (B) is - a - kind - of
 (C) or - a (D) has - a
- 48) In object oriented terminology new class is called sub class or child class or derived class, whereas the existing class is called as what ?
 (A) Great class (B) Old class
 (C) Classic class (D) Super class
- 49) Which of the following refers to the capability of defining a new class of objects that inherits the characteristics of another existing class ?
 (A) Encapsulation (B) Inheritance
 (C) Messaging (D) Abstract
- 50) What is the full form of ADT ?
 (A) Absolute Data Types
 (B) Above Data Types
 (C) Abstract Data Types
 (D) Abstract Data Transfer
- 51) Which of the following power of programming language who enables the programmer to create modular, reusable and extendable code ?
 (A) Procedure language programming
 (B) Object oriented programming
 (C) Object open programming
 (D) Procedure programming
- 52) Which of the following technique is used for reducing the storage requirements of computer files and directory structures ?
 (A) Data comfortation (B) Data competition
 (C) Data compression (D) Image regression
- 53) On Linux system, which of the following is the most common archive format ?
 (A) PDF (B) CAR (C) JPEG (D) TAR
- 54) Which of the following is a free software environment for statistical computing ?
 (A) Show software
 (B) Quick response software
 (C) R software
 (D) Picasso software

- 55) Which of the following is used as a comment marker in R software ?
 (A) % (B) \$ (C) ¥ (D) #
- 56) Which of the following command of R opens the online help in browser ?
 (A) on.line.start() (B) on.start()
 (C) start online() (D) help.start()
- 57) Which of the following function displays a list of all variable defined in R ?
 (A) all ls() (B) Varls()
 (C) ls() (D) Als()
- 58) Which of the following is one such software that allows us to make calls over the internet using our computer ?
 (A) Skype (B) Kite (C) Hipes (D) Rplan
- 59) Which program is used to enter unicode character into any application ?
 (A) Character Map (B) Character Insert
 (C) Character Select (D) Character Display
- 60) Which of the following function in R software helps to find median ?
 (A) list(median) (B) med(list)
 (C) mean(list) (D) median(list)
- 61) Which function is used to create bargraph in R software ?
 (A) bar() (B) plotbar()
 (C) plot() (D) barplot()
- 62) How many attributes are used by form element ?
 (A) five (B) four (C) three (D) two
- 63) Which of the following method value allows only a limited amount of information to be sent at a time by form on KompoZer ?
 (A) POST (B) LTP (C) GET (D) HTTP
- 64) Which of the following element is used to insert various fields like radio button, textbox and checkbox in the form ?
 (A) <Insert> </Insert>
 (B) <Input> </Input>
 (C) <Field> </Field>
 (D) <Button> </Button>
- 65) Which of the following button is clicked in form to clear the value of data entered in the form and set back to default value ?
 (A) Textbox (B) Checkbox
 (C) Reset (D) Radio
- 66) Which of the following is not an example of Open Source IDEs ?
 (A) Netchain (B) Eclipse
 (C) Netbeans (D) JBuilder
- 67) Which of the following attributes are used in textarea element in HTML form ?
 (A) cols, rolls (B) rows, codes
 (C) rows, cols (D) codes, rolls
- 68) Which of the following menu is clicked in KompoZer to view the different toolbars and status bar ?
 (A) View → Hide/Status
 (B) View → Show/Hide
 (C) View → Tools/Shows
 (D) View → Tools/Status
- 69) Which of the following viewing modes are there in Edit mode toolbar of KompoZer ?
 (A) Normal, HTML Tag, Preview
 (B) Normal, Source, Split
 (C) Normal, CSS tag, View
 (D) Design, Split, Source code
- 70) Which of the following is a key to close the Site Manager pane in KompoZer ?
 (A) Ctrl + F8 (B) F9
 (C) Ctrl (D) F8
- 71) Which by default name of webpage is shown when user starts KompoZer first time ?
 (A) Document1 (B) Kompozer1
 (C) Untitled (D) Unit1
- 72) Which of the following menu is used to insert a label for the name field in KompoZer ?
 (A) Insert → Form → Create label
 (B) Insert → Form → Define label
 (C) Insert → Form → Label Assign
 (D) Insert → Form → Insert label
- 73) Which of the following are viewed when user open Form properties dialog box in KompoZer ?
 (A) Form Name, Action URL, Method
 (B) Field Name, Method URL, Label

- (C) Action URL, Method, Field
(D) Field Name, Action URL, Method
- 74) Which of the following icon is shown on composition toolbar in KompoZer ?
(A) Bold (B) Save
(C) Body Text (D) Auto Number
- 75) To create dropdown menu through KompoZer which menu is clicked ?
(A) Form → Selection list
(B) Form → Select
(C) Form → Dropdown list
(D) Form → Option
- 76) Where does the page title displayed in the browser window when it is viewed in the browser ?
(A) Menu bar (B) Status bar
(C) Main document (D) Title bar
- 77) In CSS, property and value are separated by which symbol ?
(A) semicolon (B) colon
(C) comma (D) space
- 78) From given example below of CSS
B {color : red}
Which of the following is selector in CSS ?
(A) red (B) B (C) color (D) { }
- 79) How many tabs will come in CSS stylesheets dialog box in KompoZer ?
(A) 6 (B) 8 (C) 9 (D) 7
- 80) Which of the following is not a tab of CSS stylesheets dialog box ?
(A) Orals (B) General
(C) Borders (D) Lists
- 81) Which of the following tab of CSS stylesheets dialog box shows the CSS code ?
(A) Orals (B) General
(C) Borders (D) Lists
- 82) Which of the following web program provide static web page ?
(A) Asp.net (B) HTML
(C) JavaScript (D) Both (A) and (C)
- 83) In following example of JavaScript document.write("SWA SE SWACHHATA TAK") : which is known as method ?
(A) (); (B) . (dot)
(C) write (D) document
- 84) JavaScript statements can be grouped together in a block and block starts & end with which brackets ?
(A) Angle (B) Close (C) Round (D) Curly
- 85) Which of the following is inbuilt function provided by JavaScript ?
(A) alert () (B) NewForm ()
(C) ValidateForm () (D) Hello()
- 86) Which of the following is not an example of Event in JavaScript ?
(A) focus (B) load (C) take (D) error
- 87) Which of the following event occurs when element such as a radio button becomes inactive ?
(A) blur (B) select (C) unload (D) deselect
- 88) Which is the top level object in the Browser Object Model ?
(A) History object (B) Form object
(C) Location object (D) Window object
- 89) Which of the following object comes under document object in the browser object model ?
(A) Form, parent (B) Form, history
(C) Form, self (D) Form, link
- 90) In following JavaScript statement var x = document.gseb.Eng.Value; is given, where which of the following indicates form name in KompoZer ?
(A) Value (B) gseb
(C) Eng (D) document
- 91) Which of the following is used for "OR" in JavaScript statement ?
(A) ;; (two semicolon)
(B) ** (two star)
(C) && (two ampersand)
(D) || (two pipe sign)
- 92) Which of the following function in JavaScript determines whether the value is number or not ?
(A) isNON() (B) isNaN()
(C) isNN() (D) IsNAN ()

- 93) Which of the following is generated by the browser due to interaction between the user and the webpage ?
 (A) Value (B) Response
 (C) Event (D) Function
- 94) Which of the following is a container for storing data in JavaScript ?
 (A) Event handler
 (B) Integer
 (C) Event
 (D) Variable
- 95) How many tabs are shown in Advanced property Editor dialog box in KompoZer ?
 (A) five (B) three
 (C) four (D) two
- 96) Which of the following is an example of event handler in JavaScript ?
 (A) On submit()
 (B) Submit On ()
 (C) On Submit Click ()
 (D) Submit Click ON ()
- 97) Which of the following satisfy user and sustain their interest in the website ?
 (A) Content with Excessive use & unknown information
 (B) Excessive use of irrelevant information
 (C) Massive & irrelevant data
 (D) Placing appropriate & relevant content
- 98) Which of the following is a collection of interlinked web pages for a specific purpose ?
 (A) Website (B) Table
 (C) Checkbox (D) Form
- 99) Which three tabs are shown on Insert table dialog box of KompoZer ?
 (A) Cell, Rows, Columns
 (B) Quickly, Rows, Columns
 (C) Cell, Precisely, Quickly
 (D) Table, Rows, Columns
- 100) Which of the following menu is used to create table in KompoZer ?
 (A) View → Insert → Table
 (B) Insert → Table
 (C) Create → Table (D) Tools → Table



Answers of Board Question Paper October – 2016

- | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| (1 – B) | (2 – C) | (3 – B) | (4 – B) | (5 – C) | (6 – D) | (7 – C) | (8 – A) | (9 – A) | (10 – B) |
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| (91 – D) | (92 – B) | (93 – C) | (94 – D) | (95 – B) | (96 – A) | (97 – D) | (98 – A) | (99 – C) | (100 – B) |



Computer (331) (E)

TIME : 2:00 HRS.

BOARD'S PAPER MARCH : 2016

TOTAL MARKS : 100

- 1) In Java, which method of file class returns true if file exists, otherwise returns false ? Pg - 222
 (A) boolean FileDir()
~~(B) boolean isFile()~~
 (C) boolean listFile()
 (D) boolean getFname()
- 2) Java supports which type of streams ? Pg - 225
 (A) Byte stream (B) Character stream
~~(C) Both (A) and (B)~~ (D) Binary Stream
- 3) In Java, which of the following is a subclass of Reader class ? Pg 226
 (A) InputStreamReader
 (B) BufferedReader
 (C) OutputStream
~~(D) Both (A) and (B)~~
- 4) In Java, which method of filewriter class is used to close the stream ? Pg - 228
~~(A) void close()~~ (B) int break()
 (C) void terminate() (D) quit()
- 5) In Java, scanner class can be used to perform which of the following operations ?
 (A) Read from the file
 (B) Parse a string separated by delimiters
 235 (C) Accept input from keyboard
 233 ~~(D) All of above~~
- 6) In Java, which of the following is used as a separator between fields of a record ? Pg - 239
~~(A) Space~~ (B) Variable
 (C) Delimiter (D) Path
- 7) In Java, which method of console class reads a single line of text from the console ? Pg - 237
 (A) String PrintLine() (B) Char getLine()
 (C) Char Print() ~~(D) String readLine()~~
- 8) In Java, read() method returns what to identify the end of data in the stream ? Pg - 228
 (A) End ~~(B) -1~~ (C) 1 (D) 0
- 9) Which of the following refers to a collection of data stored on a non-volatile device in a computer system ?
 (A) File (B) Volatile data
~~(C) Hard disk~~ (D) Application
- 10) Which of the following is a very popular LaTeX distribution available in the standard ubuntu repositories ?
 (A) f Tex 241 (B) d Tex
~~(C) Tex Live~~ (D) geteX Live
- 11) Which of the following file extension is used by LaTeX ? Pg - 249
 (A) .ext ~~(B) .tex~~ (C) .lat (D) .ltx
- 12) We can compile the LaTeX document by issuing which command at command prompt ? Pg - 241
 (A) pdftax filename (B) pdfplat filename
 (C) pdfext filename ~~(D) pdflatex filename~~
- 13) LaTeX command starts with which character, followed by the command name ? Pg - 242
 (A) - ~~(B) \~~ (C) \$ (D) *
- 14) In LaTeX document, if we want to insert a break in lines which command we will use at the end of each line except last line in paragraph ? Pg - 242
 (A) . (B) ; ~~(C) \~~ (D) :
- 15) Which of the following character is known as reserved character in LaTeX ? Pg - 243
 (A) # (B) \$
 (C) % ~~(D) All of these~~
- 16) Which of the following website hosts the LaTeX packages ? Pg - 258
 (A) CTAN ~~(B) CTAN~~ (C) CWAN (D) CLEN
- 17) By default elements are assigned number upto which level that is upto subsections in LaTeX ? Pg - 247
 (A) Level 6 (B) Level 4
~~(C) Level 2~~ (D) Level 3
- 18) If compilation was successful, you may select which menu option to view file in default document viewer in LaTeX ? Pg - 249
 (A) Tools → Run
 (B) File → Run
 (C) Edit → Compile → Go
~~(D) Tools → Go~~

- 19) In LaTeX packages like `amsmath`, `amssymb` and `amsfonts` is created by which of the following society? Pg-251
 (A) Russian Mathematical Society
 (B) Indian Mathematical Society
 (C) European Mathematical Society
 (D) American Mathematical Society
- 20) Which of the following Mathematical symbol is used in LaTeX? 252
 (A) < (B) #
 (C) = (D) All of these
- 21) Which of the following operator is used to denote a subscript or an index in LaTeX?
 (A) \leq (less than equal to) Pg-258
 (B) \wedge (caret)
 (C) - (minus) (D) _ (underscore)
- 22) Which of the following part of LaTeX document contains the metadata? Pg-258
 (A) Preface (B) Preamble
 (C) TOC (D) Environment
- 23) In LaTeX, which of the following begins with `\begin {name}` and ends with `\end {name}`?
 (A) Group (B) Environment Pg-258
 (C) Preamble (D) Section
- 24) Which document class is used for creating presentation slides and it automatically sets larger font size in LaTeX? 244
 (A) Impress (B) Beamer
 (C) Slides (D) Article
- 25) In Java, at which level platform independence is possible due to bytecode interpreter? Pg-127
 (A) Browser (B) Source
 (C) Machine (D) Binary
- 26) In Java, the machine language for Java virtual machine is known as which code? Pg-128
 (A) Java filecode (B) Java bytecode
 (C) Java intcode (D) Java sourcecode
- 27) To compile the java program we have to type what in front of source file name? 128
 (A) `javac filename.java` (B) `javad filename`
 (C) `java filename.html` (D) `javas filename.java`
- 28) If Java program is compiled without any error we can execute it in SciTE editor by which menu? Pg-131
 (A) Compile \rightarrow Run \rightarrow Go
 (B) Edit \rightarrow Go
 (C) Tools \rightarrow Go (D) File \rightarrow Go
- 29) Java supports how many primitive data types?
 (A) 12 (B) 8 (C) 11 (D) 10 156
- 30) What is the storage space for datatype float in Java? Pg-134
 (A) 4 bytes (B) 2 bytes
 (C) 1 byte (D) 8 bytes
- 31) Real numbers in Java are compliant with which of the following? Pg-134
 (A) IEEE 36 (B) JEE 16
 (C) IEEE 780 (D) IEEE 754
- 32) In Java, variable name should begin with which of the following? Pg-135
 (A) Alphabet (B) Underscore (_)
 (C) Dollar sign (\$) (D) All of these
- 33) In Java, a name used for constant value is known as what? Pg-137
 (A) String return (B) Literal
 (C) Unicode Quote (D) EBCDIC
- 34) Java 7 also supports binary numbers, using digits 0 and 1 but it should be prefix by which of the following? Pg-137
 (A) 0b or 0B (B) B
 (C) B1 (D) B0
- 35) In Java, for type boolean there are precisely two literals, which are they? Pg-138
 (A) Y and N (B) 1 and 0
 (C) True and False (D) Yes and No
- 36) In Java, characters are stored by how many bit. Unicode characters? Pg-138
 (A) 36 - bit (B) 4 - bit
 (C) 8 - bit (D) 16 - bit
- 37) String literals in Java is a sequence of characters which can be enclosed in which of the following? Pg-139
 (A) Dollar (\$) (B) Double quotes (" ")
 (C) Back quotes (`) (D) Single quotes (' ')

- 38) In Java, documentation comments begins and ends with which of the following ? Pg-139
 (A) /* and */ (B) /* and */
 (C) /* and / (D) //
- 39) Arithmetic operators in Java, can be applied on which numeric data ? Pg-140
 (A) short (B) float
 (C) byte (D) All of these
- 40) In Java, which of the following is known as unary operators for increment and decrement operator ? Pg-142
 (A) >= and <= (B) + and -
 (C) == and != (D) ++ and --
- 41) Which of the following is considered as comparison operator in Java ? Pg-143
 (A) = (B) / (C) % (D) !=
- 42) In Java, logical operators are also called which of the following operators if they operate on Boolean operands ? Pg-143
 (A) Assignment Operator
 (B) Boolean Operator
 (C) Increment Operator
 (D) Relational Operator
- 43) In Java, conditional operator uses which two symbols in expression to delimit three operands ? Pg-144
 (A) ? and * (B) . and :
 (C) ? and : (D) ; and ;
- 44) In Java, a block statement is a group of statements enclosed between which pair of braces ? Pg-147
 (A) { } (B) [] (C) () (D) []
- 45) In Java, which of the following consist of attributes and methods ? Pg-158
 (A) Instance (B) Variables
 (C) Object (D) Class
- 46) Which keyword is used to create the object which allocates memory in Java ? Pg-161
 (A) new (B) add (C) ins (D) create
- 47) In Java, what is called to initialize the newly created object ? Pg-161
 (A) Classes (B) Reference variable
 (C) Syntax variable (D) Constructor
- 48) All instances of class are allocated memory in data structure in Java and it is known as which of the following ? Pg-163
 (A) Directory (B) File
 (C) Heap (D) Buffer
- 49) Instance variables and instance methods in Java are accessed via objects and they can be referred by using which operator ? Pg-163
 (A) Arithmetic operator (+)
 (B) Dot operator (.)
 (C) Assignment operator (=)
 (D) Colon operator (:)
- 50) Values of class variables are stored where in Java ? Pg-164
 (A) class (B) file
 (C) instance (D) dir
- 51) In Java, variables defined inside methods or blocks are called which variables ? Pg-167
 (A) Global variable (B) Instance variable
 (C) Class variable (D) Local variable
- 52) In Java, different forms of methods with same name is known as which of the following ? Pg-167
 (A) Composition (B) Polymorphism
 (C) Mutators (D) Inheritance
- 53) Which access modifiers can be used before the type of variable or method in Java ? Pg-170
 (A) Public (B) Protected
 (C) Private (D) All of these
- 54) By using which access modifier, allows access only to subclass or to share with the methods declared as "friend" in Java ? Pg-172
 (A) Package (B) Protected
 (C) Private (D) Public
- 55) In Java, if we want protected data to be modified by others then which methods are to be written ? Pg-174
 (A) Accessor (B) Getter
 (C) Mutator (D) Both (A) and (B)
- 56) In Java, if we want to allow other methods to read only data value of our program we should use which method ? Pg-174
 (A) setter (B) getter
 (C) mutator (D) Both (A) and (C)

- 57) In Java, which of the following allows us to build new class with added capabilities by extending existing class? Pg-176
 (A) Aggregation (B) Polymorphism
 (C) Composition ☒ (D) Inheritance
- 58) Inheritance model consist of which type of relationship between two classes in Java? Pg-176
 (A) 1:M ☒ (B) is-a (C) 1:1 (D) has-a
- 59) In java, a sub class inherits all instance variables and methods from which class? Pg-176
 (A) Derived class (B) Instance class
☒ (C) Super class (D) Child class
- 60) Composition and aggregation establish which type of relationship between classes in java? Pg-180
☒ (A) has-a (B) is-a (C) was-a (D) as-a
- 61) In Java, 'visibility modifiers' 'protected' members are available as which members in the inherited subclass? Pg-172
☒ (A) Object (B) Public
 (C) Instance (D) Private
- 62) In Java, while using inheritance - "Child class" can be referred to as which of the following? Pg-176
☒ (A) Sub-class (B) Derived class
 (C) Extended class ☒ (D) All of these
- 63) Which of the following is the keyword used to refer a super class constructor in sub class constructor? Pg-178
 (A) Name of subclass (B) New
☒ (C) Super (D) Extends
- 64) In Java, which variables are defined with in a class, outside any method with static keyword? Pg-167
 (A) Global variable ☒ (B) Class variable
 (C) Instance variable (D) Local variable
- 65) In Java, arrays are useful to represent which type of data? Pg-186
 (A) Vector (B) Matrix
 (C) Multi-dimensional ☒ (D) All of these
- 66) In Java, what is used to represent 2-D data structure like table of rows and columns? Pg-191
 (A) Scalar (B) Vector
 (C) Element ☒ (D) Matrix
- 67) In Java, to declare a 1-D array we use a pair of which brackets after array name or after datatype? Pg-186
 (A) < > ☒ (B) [] (C) { } (D) ()
- 68) If 'str' is the object of string class and its content is "Hello" then what is the value of str.length()? Pg-186
 (A) error (B) 8 ☒ (C) 5 (D) 7
- 69) In Java, which of the following method can be used with java.util.Arrays class? Pg-189
 (A) sort () (B) fill ()
 (C) alert () ☒ (D) Both (A) and (B)
- 70) In Java, to search an element in an array, Arrays class provides which method? Pg-190
☒ (A) Binarysearch () (B) Stringsearch ()
 (C) Elementsearch () (D) LineIndsearch ()
- 71) In Java, 2-D array can be declared in which of the following correct way? Pg-191
 (A) int marks () () = new int (5), (3);
 (B) int marks [] () = new int (5) (3);
 (C) int marks = int [5], [3];
☒ (D) int marks [] [] = new int [5] [3];
- 72) Java supports two types of strings that are handled by which of the following class or classes? Pg-194
 (A) String class (B) StringBuffer class
☒ (C) Both (A) and (B)
 (D) String Constructor class
- 73) In Java, who creates a string object with its initial value using any argument? Pg-194
 (A) String (ary [object] [])
☒ (B) String (char ary [])
 (C) String (ary [], int len)
 (D) String (ary ())
- 74) In Java, characters are stored using how many bytes? Pg-195
 (A) 16 bytes (B) 4 bytes
 (C) 8 bytes ☒ (D) 2 bytes
- 75) Which are the methods provided by string class in Java? Pg-196
 (A) To compare strings
 (B) Find length of strings
 (C) Combining strings
☒ (D) All of above

- 76) In Java which string class method returns true if invoking string is same as str ?
 (A) Int equals (string boolean) Pg-196
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 (A) get Time () (B) get Date ()
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 (A) java.lang (B) java.io
 (C) java.pac ✓(D) Both (A) and (B)
- 90) In Java, when an attempt is made to access the array element with an index value that is outside the range of array which exception class is used ? Pg-205
 (A) FileNotFoundException
 (B) ArrayIOException
 ✓(C) ArrayIndexOutOfBoundsException
 (D) NullArrayException
- 91) In Java, an object - oriented technique for managing errors is known as which of the following ? Pg-206
 (A) Error Definition
 (B) Anomaly Handling
 (C) Termination Handling
 ✓(D) Exception Handling

92) In Java, try statement contains a block of statement written within which braces ?

- ☒ (A) {} (B) < > (C) [] (D) ()

93) In Java, a catch block consists of keyword catch followed by how many parameter ?

- ☒ (A) 1 (Single) (B) 4
(C) 2 (D) 3

94) In Java program which block is generally used to clean up at the end of executing a try block ?

- (A) Event ☒ (B) Finally (C) Catch (D) Throws

95) In Java program, which block is widely used if a file needs to be closed or a critical resource is to be released at the completion of program ?

- (A) Event ☒ (B) Finally (C) Catch (D) Try

96) In Java program, when a throw statement is encountered a search for matching which block begins ?

- (A) Event (B) Finally ☒ (C) Catch (D) Try

97) Storage device of computer system can be broadly classified into which of the following category ?

- (A) Volatile storage (B) Non-volatile storage
(C) Dynamic storage ☒ (D) Both (A) and (B)

98) File can exist on which of the following permanent storage device ?

- (A) Hard disk (B) Compact disc
(C) Optical disk ☒ (D) All of these

99) Which of the following extension is used for binary files ?

- (A) .jpeg (B) .MP3
(C) .class ☒ (D) All of these

100) In Java, which class encapsulates information about the properties of a file or a directory ?

- (A) java.io.Object.Fd (B) java.lang.Dir 221
(C) java.util.Dir ☒ (D) java.io.File

Answers of Board Question Paper March - 2016

- | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| (1 - B) | (2 - C) | (3 - D) | (4 - A) | (5 - D) | (6 - C) | (7 - D) | (8 - B) | (9 - B) | (10 - C) |
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