SCIENCE STREAM

STD. - 12 (Sem. - IV)

Computer (331) (E)

TIME : 2:00 HRS.] BOARD'S PAPER MARCH : 2017 [TOTAL MARKS : 100

1) Variables defined inside methods or blocks are called what ?
(A) Instance Variable (B) Class Variable
(C) Local Variable (D) Object Variable

2) Variables defined within a class but outside any method is known as what ?
(A) Class Variable (B) Instance Variable
(C) Local Variable (D) Object Variable

3) Which of the following word means "many forms" ?
(A) Polymorphism (B) Constructor
(C) Instance (D) Method

4) In Java we can have different methods that have same name but a different signature. This is called what ?
(A) Method loading (B) Method overloading
(C) Method testing (D) Method uploading

5) Which of the following can perform any action; but it is mainly designed to perform initializing actions ?
(A) Constructors (B) Confirmation
(C) Contractor (D) Consolidation

6) How to define user define no-argument constructor ?
(A) Room { } (); (B) Room { () };
(C) Room () {}; (D) Room ({ });

7) Which of the following is increment operator in Java ?
(A) – – (B) \+ (C) ++ (D) \++

8) Which of the following is not a fourth P's of protection ?
(A) Package (B) Private
(C) Public (D) Provide

9) To organize classes, where does package statement should be added in the source file ?
(A) First non-comment line
(B) Last line
(C) First comment line
(D) Last comment line

10) Which of the following is syntax of package ?
(A) Package {Classes Name};
(B) Package [{Object Name}];
(C) Package [Object Name];
(D) Package <Package Name>;

11) Highest level of protection can be achieved by using which protection level ?
(A) Public (B) Protect (C) Pure (D) Private

12) If we want to allow protect data to be used by others, then which methods we write ?
(A) Accessor (B) Changer
(C) Mutator (D) Allower

13) If we want to allow protect data to be used by others to read only the data value, then we should use which method ?
(A) Mutator (B) Changer
(C) Getter (D) Allower

14) Which of the following in object oriented programming language provide reusability feature ?
(A) Substation (B) Objection
(C) Inaddition (D) Inheritance

15) Which type of relationship inheritance uses between two classes ?
(A) 'have-a' (B) 'is-a'
(C) 'has-a' (D) 'are-a'

16) Which of the following is useful to represent vector, matrix and other multi-dimensional data ?
(A) Variable (B) Box
(C) Array (D) Structure

17) Which of the following is used to represent 2D data structure like table of rows and columns ?
(A) Variable (B) Box
(C) Array (D) Matrix

18) When we define Array, Index value starts with what ?
(A) 1 (B) 7 (C) 2 (D) 0 (zero)

19) If we have defined array like
int marks [ ] = {7, 9, 11, 13, 15, 17};
then what will be the value of marks[4] ?
(A) 13 (B) 9 (C) 15 (D) 17

20) Which of the following class is utilise in array to use methods Sort( ); ?
(A) Java.math.Arrays (B) Java.All.Arrays
(C) Java.Function.Arrays
(D) Java.util.Arrays

21) To search an element in an array, Array class provides which method ?
(A) Element Search( ) (B) Search Element ( )
(C) binarySearch ( ) (D) Binary Element( )

22) If in Java 2D Array is defined like
int marks [ ] [ ] = new int [6] [4];
then, how many integers are stored in memory using contiguous memory ?
(A) 64 (B) 10 (C) 42 (D) 24

23) To initialize 2-D arrays, all these initialized rows are to be enclosed in curly braces { } and separated by what ?
(A) Dot (B) Comma
(C) Semicolon (D) Colon

24) Java supports two types of strings that are handled by two classes namely as below ?
(A) String and Buffered
(B) String and Buffers
(C) String and String Buffered
(D) String and String Buffer

25) Which of the following constructor used to create a string object that refers to the literal specified in argument ?
(A) String (string literal)
(B) String (string arg { })
(C) String (char arg [ ])
(D) String (arg [ ] char)

26) Which of the following method of string class used to return true if invoking string is same as Str ?
(A) boolean equals (String str)
(B) boolean (String str)
(C) int CompareTo (String str)
(D) int Compare (String str)

27) Which of the following string method is used to return number of characters in invoking string?
(A) int invoke() (B) int length()
(C) int con() (D) int find()

28) Which of the following method is used to return strings with all characters of invoking string converted to uppercase ?
(A) String CaseUpper()
(B) String UPPER()
(C) String Upper()
(D) String toUpperCase()

29) Which of the following method string class of Java does not provide ?
(A) Lowercase of a string
(B) Uppercase of a string
(C) Reverse a string
(D) Concating a string

30) Java library also provide Data class in which package ?
(A) Java.util (B) Java.util.Date
(C) Java.date.util (D) Java.Date.util

31) Which of the following method of Date is used to construct Date object using current system time ?
(A) int DateCurr() (B) CurrTime()
(C) Date() (D) int CurrTime()

32) Which class can be used to extract detailed information like year, month, date, hour, minute & second ?
(A) Calendar class (B) Month class
(C) Year class (D) Second class

33) Which of the following class encapsulate both date and time and represent the values using milliseconds precision ?
(A) Year class (B) TDate class
(C) Date class (D) Time class

34) Which of the following constant of calendar class helps to display week number within the month ?
(A) WEEK_OF_NUMBER
(B) WEEK_OF_MONTH
(C) WEEK_OF_YEAR
(D) WEEK_OF_NMONTH

35) If 'Str' is the object of string class and its content is 'GUJARAT', then what is the value of Str.length() ?
(A) 7 (B) 6 (C) 8 (D) 9

36) In Java, all types of error conditions are called as what ?
(A) Error creator (B) Major problem
(C) Exceptions (D) Extraction

37) In Java, if there is a Syntax error in the program then which of the following extention type file will not created ?
(A) .Err (B) .Jav (C) .Java (D) .Class

38) Which of the following errors are usually the mistakes of a programmer and it won't allow the program to compile unless they are solved ?
(A) Run - time errors
(B) Compile - time errors
(C) Compile - time - finder
(D) Programmer - error - finder

39) Which of the following Exit code or Exit status indicates that the command executed successfully in Java ?
(A) 1 (one) (B) 0 (zero)
(C) 2 (two) (D) 3 (three)

40) Which of the following package contains a hierarchy of classes dealing with various exceptions ?
(A) java.io and java.lang
(B) java.Excep and java.io
(C) java.Array and java.lang
(D) java.Exp and java.io

41) Which of the following exception class handle an I/O error while printing ?
(A) PRINTERROR (B) PrintIOHandle
(C) PrinterException (D) PrinterIOException

42) Which of the following keyword is not used in writing an exception handler ?
(A) Catch (B) Finally (C) Try (D) Drop

43) Which of the following block contains the code that may give rise to one or more exceptions in exception handler ?
(A) Catch (B) Finally (C) Try (D) Drop

44) Which of the following block must immediately follow the try block ?
(A) Catch block (B) Throw clause
(C) Throw block (D) Throw statement

45) When there is a multiple catch blocks are used then which catch block is considered as a default catch block ?
(A) Middle catch block
(B) First catch block
(C) Second last catch block
(D) Last catch block

46) Which of the following block is always executed, regardless of whether or not exceptions are thrown during the execution of the associated try block ?
(A) Catch block (B) Finally block
(C) Test block (D) Edit block

47) We can create user - defined exceptions by creating what of exception class ?
(A) In class (B) Sub class
(C) Outer class (D) Super class

48) Storage devices of a computer system can be broadly classified into how many categories ?
(A) Four (B) Five (C) Two (D) Three

49) Which of the following file is known as binary files ?
(A) Java (B) C (C) Text (D) MP3

50) Which type of value stored in variables are lost when computer is shutdown ?
(A) Volatile storage (B) Permanent storage
(C) Volate storage (D) Non-volatile storage

51) Random Access Memory is example of which type of storage ?
(A) Volatile storage
(B) Permanent storage
(C) Volate storage
(D) Non-volatile storage

52) Which of the following class encapsulates information about the properties of a file or a directory ?
(A) java.io.directory (B) java.io.File
(C) jave.File (D) java.directory

53) Which of the following method of File class used to returns true if the file exists, otherwise returns false ?
(A) boolean FileExist()
(B) boolean isDirectory()
(C) boolean File() (D) boolean isFile()

54) Java uses which classes to carry out read and write operations on files ?
(A) I/O class (B) Text class
(C) Stream class (D) R/W class

55) Which of the following is an abstract representation of an Input or Output device that is used as a source or destination for data ?
(A) Stream (B) Steam
(C) Instance (D) Inheritance

56) Which of the following is the sub class of reader class ?
(A) Print Reader (B) Buffered Reader
(C) Text Reader (D) Base Reader

57) Scanner class belongs to the which package of Java ?
(A) java.io (B) java.RW
(C) java.lang (D) java.util

58) Which of the following is the default delimiter of Scanner class ?
(A) Colon (B) Semicolon
(C) Empty space (D) Double quotes

59) Which class provides a method for reading password ?
(A) Writer class (B) Scanner class
(C) File class (D) Console class

60) Which of the following Scanner class is used to return the next token ?
(A) String nex() (B) String NToken()
(C) String next() (D) String Token()

61) LaTex documents are typically created using which editor in Ubuntu ?
(A) Gedit (B) Editplus
(C) Notepad (D) Wordpad

62) Which of the following can be used to explicitly specify the logical structure of the document in LaTeX ?
(A) \title (B) \chapter
(C) \date (D) \pdf

63) What is the file extention of TeX and LaTeX ?
(A) .Xet (B) .Lat (C) .tar (D) .tex

64) LaTeX commands starts with a which character followed by the command line ?
(A) / (front slash) (B) \ (back slash)
(C) # (hash) (D) * (star)

65) Which of the following command in LaTeX is used to break lines ?
(A) \\ (B) ;; (C) # (D) $

66) In LaTex, option argument is written in which brackets ?
(A) { } (B) [ ] (C) ( ) (D) < >

67) Which of the following character is reserved in LaTeX ?
(A) , (Comma) (B) % (Percentage)
(C) . (Dot) (D) : (Colon)

68) Which of the following character is used as comment in LaTex ?
(A) // (B) % (C) * (D) #

69) In LaTex, the actual content is always inside the environment document, written between which of the following ?
(A) \s {document} and \stop
(B) \b and \a
(C) \begin and \stop
(D) \begin {document} and \end {document}

70) Which of the following shortcut is used to compile (Build) LaTex file in SciTE editor ?
(A) F5 (B) F4 (C) F7 (D) F9

71) Which of the following command is used in LaTeX to make text as italic effect ?
(A) \ittext (B) \textit (C) \txtit (D) \tit

72) In Latex, square root of a number x is denoted by which of the following command ?
(A) \st {x} (B) \sT {x}
(C) \sqrt {x} (D) \sq {x}

73) In LaTex, which of the following way we can print 'not equal to' symbol (≠) ?
(A) \nequal (B) \tn
(C) \neq (D) \div

74) Which of the following commands generate the set union symbol ?
(A) \Setunion (B) \Cup
(C) \Cap (D) \Union

75) Which of the following refer to the very first line in the preamble ?
(A) \title (B) \usepackage
(C) \maketitle (D) \documentclass

76) Most of the Java syntax is very similar to which language ?
(A) SQL (B) Fortran (C) C (D) Foxpro

77) At which level platform - independence is possible due to bytecode interpreter ?
(A) Binary level (B) Bottom level
(C) Source level (D) High level

78) The alphabet D in JDK stands for which of the following ?
(A) Development (B) Department
(C) Design (D) Desktop

79) Which of the following company is best known for its high-end Unix workstations ?
(A) PC System (B) RIL System
(C) Sun Microsystems (D) Apex System

80) Programs written in Java are compiled into machine language for a computer that doesn't really exists. This type of computer is known as what ?
(A) Java Verifier Machine
(B) Java Virtual Model
(C) Java Vertical Machine
(D) Java Virtual Machine

81) The only disadvantage of using bytecodes is which of the following ?
(A) Fast execution speed
(B) High execution speed
(C) Slow execution speed
(D) Random execution speed

82) In Java, Java source files name and class they define name should be what ?
(A) Same (B) Totally different
(C) Different (D) Vice Versa

83) What is the extention of Java source file ?
(A) .Java (B) .JSF (C) .Jav (D) .JDK

84) Which of the following way user can run "abc. Java" source program through the application using Java interpreter ?
(A) java abc.obj (B) java ABC
(C) abc.Java (D) java abc

85) In Java, the text written in which of the following are comments ?
(A) /* */ (B) * */
(C) /* /* (D) * *\

86) Which of the following editor is used to create Java source program in Ubuntu ?
(A) Notebook (B) Jedit
(C) Wordpad (D) SciTE

87) Java consists of function header & the sequence of statements enclosed between which braces ?
(A) [ ] (B) [} (C) { } (D) ( )

88) Java supports how many primitive data type ?
(A) 9 (B) 7 (C) 8 (D) 6

89) Which of the following data type hold real numbers ?
(A) double (B) long (C) char (D) byte

90) A name used to refer to the data stored in memory is called what ?
(A) Object (B) Value
(C) Variable (D) Function

91) Which of the following is illegal way to define variable name in Java ?
(A) %Sale (B) $Price
(C) B4U (D) Amount$

92) Which of the following is not a reserved word in Java ?
(A) else (B) class (C) static (D) rate

93) Control structures in Java is divided in two types loops and what ?
(A) Function (B) Message
(C) Branches (D) Alerts

94) In Java, which statement is used to exit from the loop structure ?
(A) System (B) Stop (C) Out (D) Break

95) Which of the following is exit - controlled loop in Java ?
(A) Do - while (B) For
(C) While (D) Loop

96) Every class we write in Java is generally made up of which of the two components ?
(A) Behaviour and Information
(B) Attributes and Behaviour
(C) Attributes and Information
(D) Information and Comments

97) A variable declared using class type can only store what ?
(A) Reference to an object
(B) Store an object
(C) Classified an object
(D) Interfere an object

98) In Java, when objects are no more needed, the memory is claimed back for what ?
(A) Direction (B) Next window
(C) Reuse (D) Assignment

99) All instances of class are allocated memory in data structure is called what ?
(A) Leap (B) Zeap (C) Heap (D) Reap

100) Here dot (.) is an operator and associativity of dot operator is from where to where ?
(A) Left to right (B) Left to top
(C) Right to left (D) Left to bottom

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Answers of Board Question Paper : March - 2017

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

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COMMON STREAM

STD. - 12

Computer (331) (E)

TIME : 2:00 HRS.] BOARD'S PAPER MARCH : 2017 [TOTAL MARKS : 100

1) What is to be represented on the top section of class diagram, which is a representation of class ?
(A) Name of the class
(B) Attributes or properties of class
(C) Behaviour of operations or methods of class
(D) All of these

2) The name used for a constant value is known as what in Java ?
(A) String (B) Array (C) Literal (D) Class

3) Inheritance is generally referred as which type of relationship between two classes ?
(A) Partial relationship
(B) Full relationship
(C) Exclusive relationship
(D) 'is-a kind' of relationship

4) Rational plan comprises of how many types of desktop products ?
(A) Two (B) Three (C) One (D) Four

5) If we want to make visible to all the classes outside the class, where method or variable is visible to class, which type of access modifier is used ?
(A) Protected (B) Package
(C) Public (D) Private

6) What should be the information of website ?
(A) Incomplete, Relevant
(B) Incomplete, Irrelevant
(C) Complete, Relevant
(D) Complete, Irrelevant

7) Which software allows user to make calls over the Internet using computer ?
(A) Amazon (B) Mcall.com
(C) Skype (D) Google Map

8) From the following which operator is used to access instance variable and instance methods in Java ?
(A) : (colon) (B) ; (semicolon)
(C) . (dot) (D) , (comma)

9) From the following who offers limited free space on the web server ?
(A) ISP (B) FTP (C) BOM (D) OMG

10) Kompozer incorporates with whom that gives rapid access to file on both local machines and remote servers ?
(A) Site Manager (B) Page Manager
(C) Document Manager
(D) None of these

11) When Java program created Java source file using text editor, which file extension should be given ?
(A) .class (B) .html (C) .jpg (D) .java

12) From the following which package is used to support mathematical symbols in LaTeX ?
(A) SOS (B) AMS (C) MATH (D) SIGN

13) Which extension is used to save file of LaTex ?
(A) .text (B) .ltx (C) .tan (D) .tex

14) Which of the following statement is used in JavaScript to return a value in a function ?
(A) Event (B) Program
(C) Return (D) Function

15) Who developed Amaya, which is free open source WYSIWYG ?
(A) W3C (B) Google
(C) Netscape (D) Apple

16) Which string constructor is used without arguments to create a string object with no characters ?
(A) string() (B) string (Char ary [ ])
(C) string(string str obj)
(D) string(str literal)

17) Which network is developed by the Gujarat Government to provide information regarding various government departments, different application forms to be used by citizens ?
(A) GSWAN (B) MSWAN
(C) ASWAN (D) RSWAN

18) **Which is a program that uses internet to record information that passes through a computer or router in transit from sender to receiver ?**
(A) Cyber Vandalism (B) Sniffing
(C) Malicious Code (D) Spoofing

19) **Which method can be applied on the variable that is stored on user's computer cookie ?**
(A) Cookies can be read
(B) Cookies can be created
(C) Cookies can be modified
(D) All of these

20) **What is used in web pages to improve the design and validate the forms ?**
(A) 'C' language (B) Java
(C) Oracle (D) JavaSript

21) **Which operator can be used to concatenate a string in Java ?**
(A) = (B) + (C) & (D) *

22) **Which exception class is observed when an attempt to access the array element with an index value that is outside the range of array in Java ?**
(A) Arry Out of Box
(B) Array out of Index
(C) Array Index Out of Bounds Exception
(D) Not Found Array

23) **In object oriented terminology, the existing class is known as what ?**
(A) Super class (B) Parent class
(C) Sub class (D) Both (A) and (B)

24) **How can one write reserved character $ in LaTeX ?**
(A) \$ (B) –$ (C) *$ (D) #S

25) **Which block is generally used to clean up at the end of executing a try block ?**
(A) finally (B) catch (C) try (D) throws

26) **In form, which input element can be used to enter comment, report or a long description of a product ?**
(A) <select> ... </select>
(B) <option> ... </option>
(C) <longtext> ... </longtext>
(D) <textarea> ... </textarea>

27) **Which kind of webpage is created using HTML ?**
(A) Static
(B) Could not be changed
(C) Both (A) and (B) (D) Dynamic

28) **Which steps are required to create object from a class in Java ?**
(A) Declaration (B) Instantiation
(C) Initialization (D) All of these

29) **From the following, which are the types of stream class in Java ?**
(A) Character stream (B) Byte stream class
(C) Both (A) and (B) (D) Boolean stream

30) **In object-oriented programming (OOP) languages, creating an object is also known as what ?**
(A) Object instantiation
(B) Object creation
(C) Object making (D) None of these

31) **From the following which are the examples of B2C E-commerce business model ?**
(A) fabmart.com (B) flipkart.com
(C) amazon.com (D) All of these

32) **In Java, to search an element in an array, array class provides which type of method ?**
(A) fill( ) (B) binarySearch( )
(C) sort( ) (D) remove( )

33) **From the following which option is used to insert table in webpage made in KompoZer ?**
(A) Format → Table (B) Insert → Table
(C) View → Table (D) Modify → Table

34) **From the following which extension are used to indicate text files ?**
(A) .c (B) .txt
(C) .java (D) All of these

35) **Which of the following website hosts the LaTeX packages ?**
(A) CTAN (B) CLAN (C) CTEN (D) CLEN

36) **Which type of braces is used to initialize data elements in 1-D array ?**
(A) < > (B) [ ] (C) { } (D) ( )

37) From the following what is the purpose for 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

38) Which is the most commonly used numeric function in JavaScript ?
(A) validateForm( ) (B) isNaN( )
(C) alert( ) (D) number( )

39) In Java, if 'Str' is the object of string class and its content is "Hello", then what is the value of str.length( ) ?
(A) 8 (B) 7 (C) 6 (D) 5

40) Which is the default level of protection, where lack of any access modifier keyword is in a declaration in Java ?
(A) Public (B) Package
(C) Protected (D) Private

41) Which is the most popular and widely accepted method of payment on internet in E-commerce / M-commerce ?
(A) Credit Card (B) Cash
(C) Electronic Wallet (D) Ru-pay

42) Which method of string class is used to return a string with all characters of invoking string converted to uppercase ?
(A) int length( )
(B) byte [ ] getBytes( )
(C) String to Uppercase( )
(D) String concat(string str)

43) From the following which is a limitation of E-commerce ?
(A) Conducts Business 24 × 7
(B) Speed
(C) No boundaries of geographical limitations
(D) Security

44) What is the default value of Boolean data type of Java ?
(A) False (B) True
(C) 0 (zero) (D) 1

45) Which command is used to begin environment in LaTeX ?
(A) \begin {name} (B) /begin {name}
(C) \start {name} (D) /start (name)

46) var x = document.js1.name.value
In above statement, which is a variable ?
(A) x (B) document
(C) js1 (D) name.value

47) We can use various static methods provided by Java using which array class ?
(A) java.util.Arrays (B) java.io
(C) java.lang (D) All of these

48) In object-oriented programming, what is an indication of problem which occurs during program execution ?
(A) Function (B) String
(C) Array (D) Exception

49) What is the full form of CSS ?
(A) Cascading Style Sheet
(B) Cascading Super Sheet
(C) Cascading Short Style
(D) Cascade Sine Simple

50) Which E-commerce business model refers to E-commerce activities involving transactions between and among the consumers ?
(A) Government to Business
(B) Consumer to Consumer
(C) Business to Business
(D) Business to Consumer

51) Which menu is used to change page title in website created in KompoZer ?
(A) Format → Page Title and Properties
(B) Format → Heading
(C) Insert → Heading
(D) Insert → Heading and Subheading

52) File method boolean isFile() returns which type of value of File class ?
(A) True or False (B) Yes or No
(C) 0 or 1 (D) Y or N

53) In Java, if we want to allow data directly accessed by methods of other class, then which method is used ?
(A) getter (B) setter (C) main (D) void

54) **Which sign indicates single line comment in Java ?**
(A) /* and ends with */
(B) /** and ends with */
(C) // (D) #

55) **Which were the first applications of E-commerce website on Internet ?**
(A) E-newspaper (B) Book shops
(C) Online Auctions (D) Marketing and Selling

56) **In Java in which condition program will get a compilation error and not be able to create ".class" file ?**
(A) Syntax error in compilation
(B) Use of undeclared variable
(C) Wrong spellings of identifier or keyword
(D) All of these

57) **Which method of date class constructs date object using current system time in Java ?**
(A) Date & Time( ) (B) Today's Date( )
(C) Date( ) (D) now( )

58) **From the following which are the examples of open source IDEs ?**
(A) KompoZer (B) Eclipse
(C) JBuilder and Netbeans
(D) All of these

59) **Which type of block contains the code that may give rise to one or more exceptions in Java ?**
(A) try (B) catch (C) throw (D) finally

60) **Generally, which input element is used to select a single item from a given group of item ?**
(A) Textbox (B) Checkbox
(C) Radio button (D) Password

61) **Unified Modeling Language is defined by whom ?**
(A) IMG (B) PMG (C) OMG (D) CMG

62) **From the following which type of visibility modifiers are used to protect a method or variables ?**
(A) Public (B) Package
(C) Protected and Private
(D) All of these

63) **From the following which is the illegal name of variable in Java ?**
(A) 4me (B) result
(C) amount$ (D) price$

64) **What is the size of second dimension in an array sales [5][12] ?**
(A) 12 (B) 5 (C) 60 (D) 11

65) **Which of the following is true about streams in Java ?**
(A) Streams always flow in two directions.
(B) Streams are channels through which the data flow.
(C) Only one stream can be opened in a program at a time.
(D) All of these

66) **Which of the following is the process of buying and selling products by offering the customers to bid the price ?**
(A) Auction (B) Registration
(C) Book store
(D) Marketing and Selling

67) **From the following who allows more interactivity and control in data entry ?**
(A) HTML Form (B) HTML Table
(C) HTML Report (D) All of these

68) **To add CSS in HTML webpage what is to be used as a selector ?**
(A) Information (B) Color
(C) HTML element (D) All of these

69) **From the following which is the example of Consumer to Business model ?**
(A) bidstall.com (B) JeetLe.in
(C) Both (A) and (B) (D) Flipkart.com

70) **A CSS rule has how many parts ?**
(A) 1 (B) 2 (C) 3 (D) 4

71) **What is the full form of TAR ?**
(A) Tape Archiver (B) Tape Attacker
(C) Tape Analyzer (D) Tape Administrator

72) **Which command is used to compile source program in SciTE ?**
(A) Edit → Compile (B) Format → Compile
(C) Tools → Compile
(D) File → Compile

73) **Which shortcut key is used to compile LaTeX file in SciTE editor ?**
(A) F4 (B) F5 (C) F6 (D) F7

74) **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

75) **From the following which is not a comparison operator in Java ?**
(A) > (B) < (C) <= (D) +

76) **Which attribute of form elements is used to specify where to send the form data when the form is submitted ?**
(A) method (B) action
(C) name (D) type

77) **Arrays are useful to represent which type of data in Java ?**
(A) vector (B) matrix
(C) multi-dimensional (D) All of these

78) **What are the limitations of Mobile commerce ?**
(A) Limited screen size
(B) Virtually can contact a user anytime and anywhere
(C) Provides global reach
(D) Customized alerts can be easily received on the mobile

79) **Java language was developed by whom ?**
(A) Sun MicroSystems
(B) Oracle
(C) Netscape (D) Microsoft

80) **What is the full form of JVM ?**
(A) Java Visbility Modifier
(B) Java Visual Modem
(C) Java Virtual Machine
(D) Java Visual Machine

81) **Which of the following is used as a separator between fields of record ?**
(A) Variable (B) Space
(C) Path (D) Delimiter

82) **A computer language is object oriented if it supports which type of object properties ?**
(A) Abstraction
(B) Polymorphism and Encapsulation
(C) Inheritance (D) All of these

83) **From the following which storage is permanent storage, data is not lost when a computer loses power ?**
(A) Volatile storage (B) Non-volatile storage
(C) Both (A) and (B) (D) Object data

84) **Which block contains the code that is to be executed to handle an exception which is throw object using throw keyword ?**
(A) try (B) catch
(C) finally (D) throwobj

85) **Which protocol is used for securing web transactions on the Internet ?**
(A) NNTP (B) FTP (C) STP (D) SSL

86) **From the following which are powerful open source IDEs for building web applications like Java ?**
(A) Aptana Studio (B) Blue Griffon
(C) Amaya (D) All of these

87) **What refers to buying and selling of goods or services through the uses of internet enabled wireless device ?**
(A) M-Banking
(B) Multimedia Shopping
(C) M-Commerce
(D) Modern Commerce

88) **Java programming language use which type of methodology to analysis, design and implementation of software ?**
(A) Structure / Procedural programming language
(B) Object-oriented programming language
(C) Both (A) and (B)
(D) System oriented programming language

89) **Which program is used to enter Unicode Character into any application ?**
(A) Character Display
(B) Character Map

(C) Character Insert
(D) Character Select

90) Which tab shows all details of HTML code, that helps in editing the source code on the left side of page pane of KompoZer ?
(A) Design (B) Split
(C) Source (D) All of these

91) From the following which is not an event in JavaScript ?
(A) Abort (B) Alert
(C) Click (D) Submit

92) In Java, a class is defined using which keyword ?
(A) Class (B) Public (C) Static (D) Main

93) From the following which option is not in Form Properties Dialog Box of KompoZer ?
(A) Form Name (B) Action URL
(C) Method (D) Field Value

94) What should be used to control the web browser window or the web page in JavaScript ?
(A) OMG (B) BOM (C) BOD (D) UML

95) What is the mechanism of providing protection to data and methods of a program in object-oriented programming language ?
(A) Data Abstraction (B) Encapsulation
(C) Messaging (D) Polymorphism

96) The meaning of which word, is "many forms"; different forms of methods with same name in Java ?
(A) Inheritance (B) Polymorphism
(C) Aggregation (D) Composition

97) Which steps are followed for the process of creation of array in Java ?
(A) Declare an array object
(B) Create an array object
(C) Both (A) and (B)
(D) Manage an array object

98) Which is a computer program that detects, prevents and takes action to remove the malicious codes like viruses, worms and trojen horses from the infected computer ?
(A) Firewall (B) Cryptography
(C) Antivirus software (D) Digital certificate

99) Which type of variables are defined inside methods or blocks ?
(A) Local variables (B) Instance variables
(C) Class variables (D) Block variables

100) From the following which technique is used for reducing the storage requirement of computer file and directory structures ?
(A) Data repetition (B) Data installation
(C) Data compression (D) All of these

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Answers of Board Question Paper : March - 2017

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

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SCIENCE STREAM

STD. - 12 (Sem. - IV)

Computer (331) (E)

TIME : 2:00 HRS.] BOARD'S PAPER MARCH : 2017 [TOTAL MARKS : 100

1) Variables defined inside methods or blocks are called what ? 167
(A) Instance Variable (B) Class Variable
(C) Local Variable (D) Object Variable

2) Variables defined within a class but outside any method is known as what ? 167
(A) Class Variable (B) Instance Variable
(C) Local Variable (D) Object Variable

3) Which of the following word means "many forms" ? 167
(A) Polymorphism (B) Constructor
(C) Instance (D) Method

4) In Java we can have different methods that have same name but a different signature. This is called what ? 167
(A) Method loading (B) Method overloading
(C) Method testing (D) Method uploading

5) Which of the following can perform any action; but it is mainly designed to perform initializing actions ? 168
(A) Constructors (B) Confirmation
(C) Contractor (D) Consolidation

6) How to define user define no-argument constructor ? 170
(A) Room { } ( ); (B) Room { ( ) };
(C) Room ( ) { }; (D) Room ({ });

7) Which of the following is increment operator in Java ? 142
(A) – – (B) \+ (C) ++ (D) \++

8) Which of the following is not a fourth P's of protection ? 170
(A) Package (B) Private
(C) Public (D) Provide

9) To organize classes, where does package statement should be added in the source file ?
170 (A) First non-comment line
(B) Last line
(C) First comment line
(D) Last comment line

10) Which of the following is syntax of package ?
(A) Package {Classes Name};
170 (B) Package [{Object Name}];
(C) Package [Object Name];
(D) Package <Package Name>;

11) Highest level of protection can be achieved by using which protection level ? 172
(A) Public (B) Protect (C) Pure (D) Private

12) If we want to allow protect data to be used by others, then which methods we write ?
174 (A) Accessor (B) Changer
(C) Mutator (D) Allower

13) If we want to allow protect data to be used by others to read only the data value, then we should use which method ?
174 (A) Mutator (B) Changer
(C) Getter (D) Allower

14) Which of the following in object oriented programming language provide reusability feature ? 176
(A) Substation (B) Objection
(C) Inaddition (D) Inheritance

15) Which type of relationship inheritance uses between two classes ? 176
(A) 'have-a' (B) 'is-a'
(C) 'has-a' (D) 'are-a'

16) Which of the following is useful to represent vector, matrix and other multi-dimensional data ? 186
(A) Variable (B) Box
(C) Array (D) Structure

17) Which of the following is used to represent 2D data structure like table of rows and columns ?
(A) Variable (B) Box 186
(C) Array (D) Matrix

18) When we define Array, Index value starts with what ? 187
(A) 1 (B) 7 (C) 2 (D) 0 (zero)

19) If we have defined array like
chp. int marks [ ] = {7, 9, 11, 13, 15, 17};
9 then what will be the value of marks[4] ?
(A) 13 (B) 9 (C) 15 (D) 17

20) Which of the following class is utilise in array to use methods Sort( ); ? 189
(A) Java.math.Arrays (B) Java.All.Arrays
(C) Java.Function.Arrays
(D) Java.util.Arrays

21) To search an element in an array, Array class provides which method ? 190
(A) Element Search( ) (B) Search Element ( )
(C) binarySearch ( ) (D) Binary Element( )

22) If in Java 2D Array is defined like int marks [ ] [ ] = new int [6] [4]; then, how many integers are stored in memory using contiguous memory ? 191
(A) 64 (B) 10 (C) 42 (D) 24

23) To initialize 2-D arrays, all these initialized rows are to be enclosed in curly braces { } and separated by what ? 192
(A) Dot (B) Comma
(C) Semicolon (D) Colon

24) Java supports two types of strings that are handled by two classes namely as below ? 194
(A) String and Buffered
(B) String and Buffers
(C) String and String Buffered
(D) String and String Buffer

25) Which of the following constructor used to create a string object that refers to the literal specified in argument ? 194
(A) String (string literal)
(B) String (string arg { })
(C) String (char arg [ ])
(D) String (arg [ ] char)

26) Which of the following method of string class used to return true if invoking string is same as Str ? 196
(A) boolean equals (String str)
(B) boolean (String str)
(C) int CompareTo (String str)
(D) int Compare (String str)

27) Which of the following string method is used to return number of characters in invoking string? 197
(A) int invoke() (B) int length()
(C) int con() (D) int find()

28) Which of the following method is used to return strings with all characters of invoking string converted to uppercase ? 197
(A) String CaseUpper()
(B) String UPPER()
(C) String Upper()
(D) String toUpperCase()

29) Which of the following method string class of Java does not provide ? 197
(A) Lowercase of a string
(B) Uppercase of a string
(C) Reverse a string
(D) Concating a string

30) Java library also provide Data class in which package ? 198
(A) Java.util (B) Java.util.Date
(C) Java.date.util (D) Java.Date.util

31) Which of the following method of Date is used to construct Date object using current system time ? 199
(A) int DateCurr() (B) CurrTime()
(C) Date() (D) int CurrTime()

32) Which class can be used to extract detailed information like year, month, date, hour, minute & second ? 199
(A) Calendar class (B) Month class
(C) Year class (D) Second class

33) Which of the following class encapsulate both date and time and represent the values using milliseconds precision ? 194
(A) Year class (B) TDate class
(C) Date class (D) Time class

34) Which of the following constant of calendar class helps to display week number within the month ? 200
(A) WEEK_OF_NUMBER
(B) WEEK_OF_MONTH
(C) WEEK_OF_YEAR
(D) WEEK_OF_NMONTH

35) If 'Str' is the object of string class and its content is 'GUJARAT', then what is the value of Str.length() ? Chp. 9
(A) 7 (B) 6 (C) 8 (D) 9

36) In Java, all types of error conditions are called as what ? 203
(A) Error creator (B) Major problem
(C) Exceptions (D) Extraction

37) In Java, if there is a Syntax error in the program then which of the following extention type file will not created ? 203
(A) .Err (B) .Jav (C) .Java (D) .Class

38) Which of the following errors are usually the mistakes of a programmer and it won't allow the program to compile unless they are solved ? 204
(A) Run - time errors
(B) Compile - time errors
(C) Compile - time - finder
(D) Programmer - error - finder

39) Which of the following Exit code or Exit status indicates that the command executed successfully in Java ? 204
(A) 1 (one) (B) 0 (zero)
(C) 2 (two) (D) 3 (three)

40) Which of the following package contains a hierarchy of classes dealing with various exceptions ? 205
(A) java.io and java.lang
(B) java.Excep and java.io
(C) java.Array and java.lang
(D) java.Exp and java.io

41) Which of the following exception class handle an I/O error while printing ? 205
(A) PRINTERROR (B) PrintIOHandle
(C) PrinterException (D) PrinterIOException

42) Which of the following keyword is not used in writing an exception handler ? 206
(A) Catch (B) Finally (C) Try (D) Drop

43) Which of the following block contains the code that may give rise to one or more exceptions in exception handler ? 206
(A) Catch (B) Finally (C) Try (D) Drop

44) Which of the following block must immediately follow the try block ? 206
(A) Catch block (B) Throw clause
(C) Throw block (D) Throw statement

45) When there is a multiple catch blocks are used then which catch block is considered as a default catch block ? 211
(A) Middle catch block
(B) First catch block
(C) Second last catch block
(D) Last catch block

46) Which of the following block is always executed, regardless of whether or not exceptions are thrown during the execution of the associated try block ? 211
(A) Catch block (B) Finally block
(C) Test block (D) Edit block

47) We can create user - defined exceptions by creating what of exception class ? 215
(A) In class (B) Sub class
(C) Outer class (D) Super class

48) Storage devices of a computer system can be broadly classified into how many categories ? 220
(A) Four (B) Five (C) Two (D) Three

49) Which of the following file is known as binary files ? 220
(A) Java (B) C (C) Text (D) MP3

50) Which type of value stored in variables are lost when computer is shutdown ? 220
(A) Volatile storage (B) Permanent storage
(C) Volate storage (D) Non-volatile storage

51) Random Access Memory is example of which type of storage ? 220
(A) Volatile storage
(B) Permanent storage
(C) Volate storage
(D) Non-volatile storage

52) Which of the following class encapsulates information about the properties of a file or a directory ? 221
(A) java.io.directory (B) java.io.File
(C) jave.File (D) java.directory

53) Which of the following method of File class used to returns true if the file exists, otherwise returns false ? 222
(A) boolean FileExist()
(B) boolean isDirectory()
(C) boolean File() (D) boolean isFile()

54) Java uses which classes to carry out read and write operations on files ? 224
(A) I/O class (B) Text class
(C) Stream class (D) R/W class

55) Which of the following is an abstract representation of an Input or Output device that is used as a source or destination for data ?
(A) Stream (B) Steam 224
(C) Instance (D) Inheritance

56) Which of the following is the sub class of reader class ? 226
(A) Print Reader (B) Buffered Reader
(C) Text Reader (D) Base Reader

57) Scanner class belongs to the which package of Java ? 233
(A) java.io (B) java.RW
(C) java.lang (D) java.util

58) Which of the following is the default delimiter of Scanner class ? 233
(A) Colon (B) Semicolon
(C) Empty space (D) Double quotes

59) Which class provides a method for reading password ? 237
(A) Writer class (B) Scanner class
(C) File class (D) Console class

60) Which of the following Scanner class is used to return the next token ? 233
(A) String nex() (B) String NToken()
(C) String next() (D) String Token()

61) LaTex documents are typically created using which editor in Ubuntu ?
(A) Gedit (B) Editplus
(C) Notepad (D) Wordpad

62) Which of the following can be used to explicitly specify the logical structure of the document in LaTeX ?
(A) \title (B) \chapter
(C) \date (D) \pdf

63) What is the file extention of TeX and LaTeX ?
(A) .Xet (B) .Lat (C) .tar (D) .tex

64) LaTeX commands starts with a which character followed by the command line ?
(A) / (front slash) (B) \ (back slash)
(C) # (hash) (D) * (star)

65) Which of the following command in LaTeX is used to break lines ?
(A) \\ (B) ;; (C) # (D) $

66) In LaTex, option argument is written in which brackets ?
(A) { } (B) [ ] (C) ( ) (D) < >

67) Which of the following character is reserved in LaTeX ?
(A) , (Comma) (B) % (Percentage)
(C) . (Dot) (D) : (Colon)

68) Which of the following character is used as comment in LaTex ?
(A) // (B) % (C) * (D) #

69) In LaTex, the actual content is always inside the environment document, written between which of the following ?
(A) \s {document} and \stop
(B) \b and \a
(C) \begin and \stop
(D) \begin {document} and \end {document}

70) Which of the following shortcut is used to compile (Build) LaTex file in SciTE editor ?
(A) F5 (B) F4 (C) F7 (D) F9

71) Which of the following command is used in LaTeX to make text as italic effect ?
(A) \ittext (B) \textit (C) \txtit (D) \tit

72) In Latex, square root of a number x is denoted by which of the following command ?
(A) \st {x} (B) \sT {x}
(C) \sqrt {x} (D) \sq {x}

73) In LaTex, which of the following way we can print 'not equal to' symbol (≠) ?
(A) \nequal (B) \tn
(C) \neq (D) \div

74) Which of the following commands generate the set union symbol ?
(A) \Setunion (B) \Cup
(C) \Cap (D) \Union

75) Which of the following refer to the very first line in the preamble ?
(A) \title (B) \usepackage
(C) \maketitle (D) \documentclass

76) Most of the Java syntax is very similar to which language ?
(A) SQL (B) Fortran (C) C (D) Foxpro

77) At which level platform - independence is possible due to bytecode interpreter ?
(A) Binary level (B) Bottom level
(C) Source level (D) High level

78) The alphabet D in JDK stands for which of the following ?
(A) Development (B) Department
(C) Design (D) Desktop

79) Which of the following company is best known for its high-end Unix workstations ?
(A) PC System (B) RIL System
(C) Sun Microsystems (D) Apex System

80) Programs written in Java are compiled into machine language for a computer that doesn't really exists. This type of computer is known as what ?
(A) Java Verifier Machine
(B) Java Virtual Model
(C) Java Vertical Machine
(D) Java Virtual Machine

81) The only disadvantage of using bytecodes is which of the following ?
(A) Fast execution speed
(B) High execution speed
(C) Slow execution speed
(D) Random execution speed

82) In Java, Java source files name and class they define name should be what ?
(A) Same (B) Totally different
(C) Different (D) Vice Versa

83) What is the extention of Java source file ?
(A) .Java (B) .JSF (C) .Jav (D) .JDK

84) Which of the following way user can run "abc. Java" source program through the application using Java interpreter ?
(A) java abc.obj (B) java ABC
(C) abc.Java (D) java abc

85) In Java, the text written in which of the following are comments ? 131
(A) /* */ (B) * */
(C) /* /* (D) * *\

86) Which of the following editor is used to create Java source program in Ubuntu ? 128
(A) Notebook (B) Jedit
(C) Wordpad (D) SciTE

87) Java consists of function header & the sequence of statements enclosed between which braces ? 132
(A) [ ] (B) [ ] (C) { } (D) ( )

88) Java supports how many primitive data type ? 133
(A) 9 (B) 7 (C) 8 (D) 6

89) Which of the following data type hold real numbers ? 134
(A) double (B) long (C) char (D) byte

90) A name used to refer to the data stored in memory is called what ? 134
(A) Object (B) Value
(C) Variable (D) Function

91) Which of the following is illegal way to define variable name in Java ? 135
(A) %Sale (B) $Price
(C) B4U (D) Amount$

92) Which of the following is not a reserved word in Java ? 135
(A) else (B) class (C) static (D) rate

93) Control structures in Java is divided in two types loops and what ? 147
(A) Function (B) Message
(C) Branches (D) Alerts

94) In Java, which statement is used to exit from the loop structure ? 153
(A) System (B) Stop (C) Out (D) Break

95) Which of the following is exit - controlled loop in Java ? 152
(A) Do - while (B) For
(C) While (D) Loop

96) Every class we write in Java is generally made up of which of the two components ?
(A) Behaviour and Information 161
(B) Attributes and Behaviour
(C) Attributes and Information
(D) Information and Comments

97) A variable declared using class type can only store what ? 161
(A) Reference to an object
(B) Store an object
(C) Classified an object
(D) Interfere an object

98) In Java, when objects are no more needed, the memory is claimed back for what ? 162
(A) Direction (B) Next window
(C) Reuse (D) Assignment

99) All instances of class are allocated memory in data structure is called what ? 163
(A) Leap (B) Zeap (C) Heap (D) Reap

100) Here dot (.) is an operator and associativity of dot operator is from where to where ? 163
(A) Left to right (B) Left to top
(C) Right to left (D) Left to bottom

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Answers of Board Question Paper : March - 2017

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

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SCIENCE STREAM

STD. - 12 (Sem. - IV)

Computer (331) (E)

TIME : 2:00 HRS.] BOARD'S PAPER MARCH : 2017 [TOTAL MARKS : 100

1) Variables defined inside methods or blocks are called what ? 167
(A) Instance Variable (B) Class Variable
(C) Local Variable (D) Object Variable

2) Variables defined within a class but outside any method is known as what ? 167
(A) Class Variable (B) Instance Variable
(C) Local Variable (D) Object Variable

3) Which of the following word means "many forms" ? 167
(A) Polymorphism (B) Constructor
(C) Instance (D) Method

4) In Java we can have different methods that have same name but a different signature. This is called what ? 167
(A) Method loading (B) Method overloading
(C) Method testing (D) Method uploading

5) Which of the following can perform any action; but it is mainly designed to perform initializing actions ? 168
(A) Constructors (B) Confirmation
(C) Contractor (D) Consolidation

6) How to define user define no-argument constructor ? 170
(A) Room { } (); (B) Room { () };
(C) Room () {}; (D) Room ({ });

7) Which of the following is increment operator in Java ? 142
(A) -- (B) \+ (C) ++ (D) \++

8) Which of the following is not a fourth P's of protection ? 170
(A) Package (B) Private
(C) Public (D) Provide

9) To organize classes, where does package statement should be added in the source file ?
170 (A) First non-comment line
(B) Last line
(C) First comment line
(D) Last comment line

10) Which of the following is syntax of package ?
(A) Package {Classes Name};
170 (B) Package [{Object Name}];
(C) Package [Object Name];
(D) Package <Package Name>;

11) Highest level of protection can be achieved by using which protection level ? 172
(A) Public (B) Protect (C) Pure (D) Private

12) If we want to allow protect data to be used by others, then which methods we write ?
174 (A) Accessor (B) Changer
(C) Mutator (D) Allower

13) If we want to allow protect data to be used by others to read only the data value, then we should use which method ?
174 (A) Mutator (B) Changer
(C) Getter (D) Allower

14) Which of the following in object oriented programming language provide reusability feature ? 176
(A) Substation (B) Objection
(C) Inaddition (D) Inheritance

15) Which type of relationship inheritance uses between two classes ? 176
(A) 'have-a' (B) 'is-a'
(C) 'has-a' (D) 'are-a'

16) Which of the following is useful to represent vector, matrix and other multi-dimensional data ? 186
(A) Variable (B) Box
(C) Array (D) Structure

17) Which of the following is used to represent 2D data structure like table of rows and columns ?
(A) Variable (B) Box 186
(C) Array (D) Matrix

18) When we define Array, Index value starts with what ? 187
(A) 1 (B) 7 (C) 2 (D) 0 (zero)

19) If we have defined array like
Chp. 9 int marks [ ] = {7, 9, 11, 13, 15, 17};
then what will be the value of marks[4] ?
(A) 13 (B) 9 (C) 15 (D) 17

20) Which of the following class is utilise in array to use methods Sort( ); ? 189
(A) Java.math.Arrays (B) Java.All.Arrays
(C) Java.Function.Arrays
(D) Java.util.Arrays

21) To search an element in an array, Array class provides which method ? 190
(A) Element Search( ) (B) Search Element ( )
(C) binarySearch ( ) (D) Binary Element( )

22) If in Java 2D Array is defined like int marks [] [] = new int [6] [4]; then, how many integers are stored in memory using contiguous memory ? 191
(A) 64 (B) 10 (C) 42 (D) 24

23) To initialize 2-D arrays, all these initialized rows are to be enclosed in curly braces {} and separated by what ? 192
(A) Dot (B) Comma
(C) Semicolon (D) Colon

24) Java supports two types of strings that are handled by two classes namely as below ? 194
(A) String and Buffered
(B) String and Buffers
(C) String and String Buffered
(D) String and String Buffer

25) Which of the following constructor used to create a string object that refers to the literal specified in argument ? 194
(A) String (string literal)
(B) String (string arg {})
(C) String (char arg [])
(D) String (arg [] char)

26) Which of the following method of string class used to return true if invoking string is same as Str ? 196
(A) boolean equals (String str)
(B) boolean (String str)
(C) int CompareTo (String str)
(D) int Compare (String str)

27) Which of the following string method is used to return number of characters in invoking string? 197
(A) int invoke() (B) int length()
(C) int con() (D) int find()

28) Which of the following method is used to return strings with all characters of invoking string converted to uppercase ? 197
(A) String CaseUpper()
(B) String UPPER()
(C) String Upper()
(D) String toUpperCase()

29) Which of the following method string class of Java does not provide ? 197
(A) Lowercase of a string
(B) Uppercase of a string
(C) Reverse a string
(D) Concating a string

30) Java library also provide Data class in which package ? 198
(A) Java.util (B) Java.util.Date
(C) Java.date.util (D) Java.Date.util

31) Which of the following method of Date is used to construct Date object using current system time ? 199
(A) int DateCurr() (B) CurrTime()
(C) Date() (D) int CurrTime()

32) Which class can be used to extract detailed information like year, month, date, hour, minute & second ? 199
(A) Calendar class (B) Month class
(C) Year class (D) Second class

33) Which of the following class encapsulate both date and time and represent the values using milliseconds precision ? 199
(A) Year class (B) TDate class
(C) Date class (D) Time class

34) Which of the following constant of calendar class helps to display week number within the month ? 200
(A) WEEK_OF_NUMBER
(B) WEEK_OF_MONTH
(C) WEEK_OF_YEAR
(D) WEEK_OF_NMONTH

35) If 'Str' is the object of string class and its content is 'GUJARAT', then what is the value of Str.length() ? Chp. 9
(A) 7 (B) 6 (C) 8 (D) 9

36) In Java, all types of error conditions are called as what ? 203
(A) Error creator (B) Major problem
(C) Exceptions (D) Extraction

37) In Java, if there is a Syntax error in the program then which of the following extention type file will not created ? 203
(A) .Err (B) .Jav (C) .Java (D) .Class

38) Which of the following errors are usually the mistakes of a programmer and it won't allow the program to compile unless they are solved ? 204
(A) Run - time errors
(B) Compile - time errors
(C) Compile - time - finder
(D) Programmer - error - finder

39) Which of the following Exit code or Exit status indicates that the command executed successfully in Java ? 204
(A) 1 (one) (B) 0 (zero)
(C) 2 (two) (D) 3 (three)

40) Which of the following package contains a hierarchy of classes dealing with various exceptions ? 205
(A) java.io and java.lang
(B) java.Excep and java.io
(C) java.Array and java.lang
(D) java.Exp and java.io

41) Which of the following exception class handle an I/O error while printing ? 205
(A) PRINTERROR (B) PrintIOHandle
(C) PrinterException (D) PrinterIOException

42) Which of the following keyword is not used in writing an exception handler ? 206
(A) Catch (B) Finally (C) Try (D) Drop

43) Which of the following block contains the code that may give rise to one or more exceptions in exception handler ? 206
(A) Catch (B) Finally (C) Try (D) Drop

44) Which of the following block must immediately follow the try block ? 208
(A) Catch block (B) Throw clause
(C) Throw block (D) Throw statement

45) When there is a multiple catch blocks are used then which catch block is considered as a default catch block ? 211
(A) Middle catch block
(B) First catch block
(C) Second last catch block
(D) Last catch block

46) Which of the following block is always executed, regardless of whether or not exceptions are thrown during the execution of the associated try block ? 211
(A) Catch block (B) Finally block
(C) Test block (D) Edit block

47) We can create user - defined exceptions by creating what of exception class ? 215
(A) In class (B) Sub class
(C) Outer class (D) Super class

48) Storage devices of a computer system can be broadly classified into how many categories ? 220
(A) Four (B) Five (C) Two (D) Three

49) Which of the following file is known as binary files ? 220
(A) Java (B) C (C) Text (D) MP3

50) Which type of value stored in variables are lost when computer is shutdown ? 220
(A) Volatile storage (B) Permanent storage
(C) Volate storage (D) Non-volatile storage

51) Random Access Memory is example of which type of storage ? 220
(A) Volatile storage
(B) Permanent storage
(C) Volate storage
(D) Non-volatile storage

52) Which of the following class encapsulates information about the properties of a file or a directory ? 221
(A) java.io.directory (B) java.io.File
(C) jave.File (D) java.directory

53) Which of the following method of File class used to returns true if the file exists, otherwise returns false ? 222
(A) boolean FileExist()
(B) boolean isDirectory()
(C) boolean File() (D) boolean isFile()

54) Java uses which classes to carry out read and write operations on files ? 224
(A) I/O class (B) Text class
(C) Stream class (D) R/W class

55) Which of the following is an abstract representation of an Input or Output device that is used as a source or destination for data ?
(A) Stream (B) Steam 224
(C) Instance (D) Inheritance

56) Which of the following is the sub class of reader class ? 226
(A) Print Reader (B) Buffered Reader
(C) Text Reader (D) Base Reader

57) Scanner class belongs to the which package of Java ? 233
(A) java.io (B) java.RW
(C) java.lang (D) java.util

58) Which of the following is the default delimiter of Scanner class ? 233
(A) Colon (B) Semicolon
(C) Empty space (D) Double quotes

59) Which class provides a method for reading password ? 237
(A) Writer class (B) Scanner class
(C) File class (D) Console class

60) Which of the following Scanner class is used to return the next token ? 233
(A) String nex() (B) String NToken()
(C) String next() (D) String Token()

61) LaTex documents are typically created using which editor in Ubuntu ?
(A) Gedit (B) Editplus
(C) Notepad (D) Wordpad

62) Which of the following can be used to explicitly specify the logical structure of the document in LaTeX ?
(A) \title (B) \chapter
(C) \date (D) \pdf

63) What is the file extention of TeX and LaTeX ?
(A) .Xet (B) .Lat (C) .tar (D) .tex

64) LaTeX commands starts with a which character followed by the command line ?
(A) / (front slash) (B) \ (back slash)
(C) # (hash) (D) * (star)

65) Which of the following command in LaTeX is used to break lines ?
(A) \\ (B) ;; (C) # (D) $

66) In LaTex, option argument is written in which brackets ?
(A) { } (B) [ ] (C) ( ) (D) < >

67) Which of the following character is reserved in LaTeX ?
(A) , (Comma) (B) % (Percentage)
(C) . (Dot) (D) : (Colon)

68) Which of the following character is used as comment in LaTex ?
(A) // (B) % (C) * (D) #

69) In LaTex, the actual content is always inside the environment document, written between which of the following ?
(A) \s {document} and \stop
(B) \b and \a
(C) \begin and \stop
(D) \begin {document} and \end {document}

70) Which of the following shortcut is used to compile (Build) LaTex file in SciTE editor ?
(A) F5 (B) F4 (C) F7 (D) F9

71) Which of the following command is used in LaTeX to make text as italic effect ?
(A) \ittext (B) \textit (C) \txtit (D) \tit

72) In Latex, square root of a number x is denoted by which of the following command ?
(A) \st {x} (B) \sT {x}
(C) \sqrt {x} (D) \sq {x}

73) In LaTex, which of the following way we can print 'not equal to' symbol (≠) ?
(A) \nequal (B) \tn
(C) \neq (D) \div

74) Which of the following commands generate the set union symbol ?
(A) \Setunion (B) \Cup
(C) \Cap (D) \Union

75) Which of the following refer to the very first line in the preamble ?
(A) \title (B) \usepackage
(C) \maketitle (D) \documentclass

76) Most of the Java syntax is very similar to which language ?
(A) SQL (B) Fortran (C) C (D) Foxpro

77) At which level platform - independence is possible due to bytecode interpreter ?
(A) Binary level (B) Bottom level
(C) Source level (D) High level

78) The alphabet D in JDK stands for which of the following ?
(A) Development (B) Department
(C) Design (D) Desktop

79) Which of the following company is best known for its high-end Unix workstations ?
(A) PC System (B) RIL System
(C) Sun Microsystems (D) Apex System

80) Programs written in Java are compiled into machine language for a computer that doesn't really exists. This type of computer is known as what ?
(A) Java Verifier Machine
(B) Java Virtual Model
(C) Java Vertical Machine
(D) Java Virtual Machine

81) The only disadvantage of using bytecodes is which of the following ?
(A) Fast execution speed
(B) High execution speed
(C) Slow execution speed
(D) Random execution speed

82) In Java, Java source files name and class they define name should be what ?
(A) Same (B) Totally different
(C) Different (D) Vice Versa

83) What is the extention of Java source file ?
(A) .Java (B) .JSF (C) .Jav (D) .JDK

84) Which of the following way user can run "abc. Java" source program through the application using Java interpreter ?
(A) java abc.obj (B) java ABC
(C) abc.Java (D) java abc

85) In Java, the text written in which of the following are comments ? 131
(A) /* */ (B) * *\
(C) /* /* (D) * *\

86) Which of the following editor is used to create Java source program in Ubuntu ? 128
(A) Notebook (B) Jedit
(C) Wordpad (D) SciTE

87) Java consists of function header & the sequence of statements enclosed between which braces ? 132
(A) [ ] (B) [} (C) { } (D) ( )

88) Java supports how many primitive data type ?
133 (A) 9 (B) 7 (C) 8 (D) 6

89) Which of the following data type hold real numbers ? 134
(A) double (B) long (C) char (D) byte

90) A name used to refer to the data stored in memory is called what ? 134
(A) Object (B) Value
(C) Variable (D) Function

91) Which of the following is illegal way to define variable name in Java ? 135
(A) %Sale (B) $Price
(C) B4U (D) Amount$

92) Which of the following is not a reserved word in Java ? 135
(A) else (B) class (C) static (D) rate

93) Control structures in Java is divided in two types loops and what ?
47 (A) Function (B) Message
(C) Branches (D) Alerts

94) In Java, which statement is used to exit from the loop structure ? 153
(A) System (B) Stop (C) Out (D) Break

95) Which of the following is exit - controlled loop in Java ? 152
(A) Do - while (B) For
(C) While (D) Loop

96) Every class we write in Java is generally made up of which of the two components ?
(A) Behaviour and Information 161
(B) Attributes and Behaviour
(C) Attributes and Information
(D) Information and Comments

97) A variable declared using class type can only store what ? 161
(A) Reference to an object
(B) Store an object
(C) Classified an object
(D) Interfere an object

98) In Java, when objects are no more needed, the memory is claimed back for what ? 162
(A) Direction (B) Next window
(C) Reuse (D) Assignment

99) All instances of class are allocated memory in data structure is called what ? 163
(A) Leap (B) Zeap (C) Heap (D) Reap

100) Here dot (.) is an operator and associativity of dot operator is from where to where ? 163
(A) Left to right (B) Left to top
(C) Right to left (D) Left to bottom

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Answers of Board Question Paper : March -2017

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

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