SCIENCE STREAM

STD. - 12 (Sem. - IV)

Computer (331) (E)

BOARD'S PAPER MARCH : 2017

1)	Variables defined inside methods or blocks are called what ?	11)	Highest level of protection can be achieved by using which protection level ?
	(A) Instance Variable (B) Class Variable		(A) Public (B) Protect (C) Pure (D) Private
	(C) Local Variable (D) Object Variable	12)	If we want to allow protect data to be used by
2)	Variables defined within a class but outside		others, then which methods we write?
	any method is known as what?	÷	(A) Accessor (B) Changer
	(A) Class Variable (B) Instance Variable		(C) Mutator (D) Allower
	(C) Local Variable (D) Object Variable	13)	If we want to allow protect data to be used by
3)	Which of the following word means "many		others to read only the data value, then we
0)	forms" ?		should use which method?
	(A) Polymorphism (B) Constructor		(A) Mutator (B) Changer
	(C) Instance (D) Method		(C) Getter (D) Allower
4)	In Java we can have different methods that	14)	Which of the following in object oriented
4)	have same name but a different signature. This		programming language provide reusability
	is called what?		feature?
	(A) Method loading (B) Method overloading		(A) Substation (B) Objection
		15)	(C) Inaddition (D) Inheritance
- \	(C) Method testing (D) Method uploading	15)	Which type of relationship inheritance uses between two classes?
5)	Which of the following can perform any		,
	action; but it is mainly designed to perform		(A) 'have-a' (B) 'is-a' (C) 'has-a' (D) 'are-a'
	initializing actions?	16)	
	(A) Constructors (B) Confirmation	10)	Which of the following is useful to represent vector, matrix and other multi-dimensional
	(C) Contractor (D) Consolidation		data?
6)	How to define user define no-argument		(A) Variable (B) Box
	constructor ?		(C) Array (D) Structure
	(A) Room { } (); (B) Room { () };	17)	Which of the following is used to represent 2D
	(C) Room () {}; (D) Room ({ });	•••	data structure like table of rows and columns?
7)	Which of the following is increment operator]	(A) Variable (B) Box
	in Java ?		(C) Array (D) Matrix
	(A) (B) \+ (C) ++ (D) \++	18)	When we define Array, Index value starts with
8)	Which of the following is not a fourth P's of		what ?
	protection ?]	(A) 1 (B) 7 (C) 2 (D) 0 (zero)
	(A) Package (B) Private	19) .	If we have defined array like
	(C) Public (D) Provide	11.	int marks [] = {7, 9, 11, 13, 15, 17};
9)	To organize classes, where does package		then what will be the value of marks[4]?
	statement should be added in the source file?	,	(A) 13 (B) 9 (C) 15 (D) 17
	(A) First non-comment line	20)	Which of the following class is utilise in array
	(B) Last line		to use methods Sort(); ?
	(C) First comment line		(A) Java.math.Arrays (B) Java.All.Arrays
	(D) Last comment line		(C) Java.Function.Arrays
10)	Which of the following is syntax of package?		(D) Java.util.Arrays
	(A) Package {Classes Name};	(21)	To search an element in an array, Array class
	(B) Package [{Object Name}];	1,	provides which method?
	(C) Package [Object Name];		(A) Element Search() (B) Search Element ()
	(D) Package <package name="">;</package>	,	, p. p. 11
	4'	78	(C) binarySearch () (D) Binary Element()

Std.-12: Computer Darpan - 'Kumar' If in Java 2D Array is defined like 22) int marks [] [] = new int [6] [4]; then, how many integers are stored in memory using contiguous memory? (A) 64 (B) 10 (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 (D) Colon (C) Semicolon Java supports two types of strings that are 24) 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 Which of the following constructor used to 25) 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) Which of the following method of string class **26**) used to return true if invoking string is same as (A) boolean equals (String str) (B) boolean (String str) (C) int CompareTo (String str) (D) int Compare (String str) Which of the following string method is used to **27**) return number of characters in invoking string? (A) int invoke() (B) int length() (C) int con() (D) int find() Which of the following method is used to 28) return strings with all characters of invoking string converted to uppercase? (A) String CaseUpper() (B) String UPPER() (C) String Upper() (D) String toUpperCase() Which of the following method string class of 29) Java does not provide? (A) Lowercase of a string (B) Uppercase of a string (C) Reverse a string

(D) Concating a string

Java library also provide Data class in which 30) package? (A) Java.util (B) Java.util.Date (C) Java.date.util (D) Java.Date.util Which of the following method of Date is used 31) 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 (D) Second class (C) Year class Which of the following class encapsulate both 33) date and time and represent the values using milliseconds precision? (A) Year class (B) TDate class (C) Date class (D) Time class Which of the following constant of calendar 34) 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 If 'Str' is the object of string class and its 35) 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 (D) Extraction (C) Exceptions In Java, if there is a Syntax error in the **37**) 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 Which of the following Exit code or Exit status 39) indicates that the command executed successfully in Java? (A) 1 (one) (B) 0 (zero)

(C) 2 (two)

(D) 3 (three)

480			Board Paper : March - 2017
40)	Which of the following package contains a hierarchy of classes dealing with various	51)	Random Access Memory is example of which type of storage ?
	exceptions ?		(A) Volatile storage
	(A) java.io and java.lang		(B) Permanent storage
	(B) java.Excep and java.io		(C) Volate storage
	(C) java.Array and java.lang		(D) Non-volatile storage
	(D) java.Exp and java.io	52)	Which of the following class encapsulates
41)	Which of the following exception class handle an I/O error while printing?	32)	information about the properties of a file or a directory?
	(A) PRINTERROR (B) PrintIOHandle		(A) java.io.directory (B) java.io.File
	(C) PrinterException (D) PrinterIOException		(C) jave.File (D) java.directory
42)	Which of the following keyword is not used in	E3)	Which of the following method of File class
	writing an exception handler ? (A) Catch (B) Finally (C) Try (D) Drop	53)	used to returns true if the file exists, otherwise returns false?
43)	Which of the following block contains the code		
	that may give rise to one or more exceptions in		(A) boolean FileExist()
	exception handler ?		(B) boolean isDirectory()
	(A) Catch (B) Finally (C) Try (D) Drop		(C) boolean File() (D) boolean isFile()
44)	Which of the following block must immediately follow the try block?	54)	Java uses which classes to carry out read and write operations on files?
	(A) Catch block (B) Throw clause		(A) I/O class (B) Text class
	(C) Throw block (D) Throw statement		(C) Stream class (D) R/W class
45)	When there is a multiple catch blocks are used	55)	Which of the following is an abstract
	then which catch block is considered as a		representation of an Input or Output device that
	default catch block ?		is used as a source or destination for data?
	(A) Middle catch block		(A) Stream (B) Steam
	(B) First catch block		(C) Instance (D) Inheritance
	(C) Second last catch block	56)	Which of the following is the sub class of
40)	(D) Last catch block		reader class ?
46)	Which of the following block is always		(A) Print Reader (B) Buffered Reader
	executed, regardless of whether or not exceptions are thrown during the execution of	'	(C) Text Reader (D) Base Reader
	the associated try block?	57)	Scanner class belongs to the which package of
	(A) Catch block (B) Finally block	",	Java ?
	(C) Test block (D) Edit block	Į.	(A) java.io (B) java.RW
47)	We can create user - defined exceptions by		(C) java.lang (D) java.util
,	creating what of exception class?	58)	Which of the following is the default delimiter
	(A) In class (B) Sub class	30,	of Scanner class?
	(C) Outer class (D) Super class		(A) Colon (B) Semicolon
48)	Storage devices of a computer system can be		(C) Empty space (D) Double quotes
	broadly classified into how many categories?	59)	Which class provides a method for reading
	(A) Four (B) Five (C) Two (D) Three	39)	password?
49)	Which of the following file is known as binary		•
	files ?		
	(A) Java (B) C (C) Text (D) MP3	000	(C) File class (D) Console class
50)	Which type of value stored in variables are lost	60)	Which of the following Scanner class is used to
	when computer is shutdown?		return the next token?
	(A) Volatile storage (B) Permanent storage		(A) String nex() (B) String NToken()
	(C) Volate storage (D) Non-volatile storage		(C) String next() (D) String Token()

01)	which editor in Ubuntu?	(4)	set union symbol?
	(A) Gedit (B) Editplus		· · · · · · · · · · · · · · · · · · ·
	(C) Notepad (D) Wordpad		(A) \Setunion (B) \Cup
62)	Which of the following can be used to explicitly		(C) \Cap (D) \Union
02)	specify the logical structure of the document in	75)	Which of the following refer to the very first
	LaTeX ?		line in the preamble?
	(A) \title (B) \chapter		(A) \title (B) \usepackage
	(C) \date (D) \pdf		(C) \maketitle (D) \documentclass
63)	What is the file extention of TeX and LaTeX?	76)	Most of the Java syntax is very similar to which
03)	(A) .Xet (B) .Lat (C) .tar (D) .tex		language ?
64)	LaTeX commands starts with a which		(A) SQL (B) Fortran (C) C (D) Foxpro
04)	character followed by the command line?	77)	At which level platform - independence is
	(A) / (front slash) (B) \ (back slash)		possible due to bytecode interpreter?
	(C) # (hash) (D) * (star)		(A) Binary level (B) Bottom level
65)	Which of the following command in LaTeX is		(C) Source level (D) High level
03)	used to break lines?	78)	The alphabet D in JDK stands for which of the
	(A) \\ (B) ;; (C) # (D) \$		following?
66)	In LaTex, option argument is written in which		(A) Development (B) Department
00)	brackets?		(C) Design (D) Desktop
	(A) {} (B) [] (C) () (D) <>	79)	Which of the following company is best known
67)	Which of the following character is reserved in		for its high-end Unix workstations?
0. ,	LaTeX ?		(A) PC System (B) RIL System
	(A) , (Comma) (B) % (Percentage)		(C) Sun Microsystems (D) Apex System
	(C) . (Dot) (D) : (Colon)	80)	Programs written in Java are compiled into
68)	Which of the following character is used as		machine language for a computer that doesn't
,	comment in LaTex?		really exists. This type of computer is known as
	(A) // (B) % (C) * (D) #		what?
69)	In LaTex, the actual content is always inside		(A) Java Verifier Machine
	the environment document, written between		(B) Java Virtual Model
	which of the following?		(C) Java Vertical Machine
	(A) \s {document} and \stop		(D) Java Virtual Machine
	(B) \b and \a	81)	The only disadvantage of using bytecodes is
	(C) \begin and \stop		which of the following?
	(D) \begin \document\} and \end \document\}		(A) Fast execution speed
70)	Which of the following shortcut is used to		(B) High execution speed
	compile (Build) LaTex file in SciTE editor?		(C) Slow execution speed
	(A) F5 (B) F4 (C) F7 (D) F9		(D) Random execution speed
71)	Which of the following command is used in	82)	In Java, Java source files name and class they
,	•		datina nama chauld ha what 2
• 1)	LaTeX to make text as italic effect?		define name should be what?
• 1)	LaTeX to make text as italic effect ? (A) \text{ittext (B) \text{text} (C) \text{txtit (D) \tit}		(A) Same (B) Totally different
72)	LaTeX to make text as italic effect? (A) \text{\text{it}} (B) \text{\text{it}} (C) \text{\text{it}} (D) \text{\text{it}} In Latex, square root of a number x is denoted		(A) Same (B) Totally different (C) Different (D) Vice Versa
	LaTeX to make text as italic effect? (A) \ittext (B) \textit (C) \txtit (D) \tit In Latex, square root of a number x is denoted by which of the following command?	83)	(A) Same (B) Totally different (C) Different (D) Vice Versa What is the extention of Java source file?
	LaTeX to make text as italic effect? (A) \ittext (B) \textit (C) \txtit (D) \tit In Latex, square root of a number x is denoted by which of the following command? (A) \st \{x\} (B) \sT \{x\}		(A) Same (B) Totally different (C) Different (D) Vice Versa What is the extention of Java source file ? (A) Java (B) JSF (C) Jav (D) JDK
72)	LaTeX to make text as italic effect? (A) \ittext (B) \textit (C) \txtit (D) \tit 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\}	83) 84)	(A) Same (B) Totally different (C) Different (D) Vice Versa What is the extention of Java source file? (A) Java (B) JSF (C) Jav (D) JDK Which of the following way user can run
	LaTeX to make text as italic effect? (A) \ittext (B) \textit (C) \txtit (D) \tit 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\} In LaTex, which of the following way we can		(A) Same (B) Totally different (C) Different (D) Vice Versa What is the extention of Java source file? (A) Java (B) JSF (C) Jav (D) JDK Which of the following way user can run "abc. Java" source program through the
72)	LaTeX to make text as italic effect? (A) \ittext (B) \textit (C) \txtit (D) \tit 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\} In LaTex, which of the following way we can print 'not equal to' symbol (\neq)?		(A) Same (B) Totally different (C) Different (D) Vice Versa What is the extention of Java source file? (A) Java (B) JSF (C) Jav (D) JDK Which of the following way user can run "abc. Java" source program through the application using Java interpreter?
72)	LaTeX to make text as italic effect? (A) \ittext (B) \textit (C) \txtit (D) \tit 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\} In LaTex, which of the following way we can		(A) Same (B) Totally different (C) Different (D) Vice Versa What is the extention of Java source file? (A) Java (B) JSF (C) Jav (D) JDK Which of the following way user can run "abc. Java" source program through the

482			Board Paper : March - 2017		
85)	In Java, the text written in which of the following are comments?	94)	In Java, which statement is used to exit from the loop structure?		
	(A) /* */ (B) * */		(A) System(B) Stop (C) Out (D) Break		
	(C) /* /* (D) * *\	95)	Which of the following is exit - controlled loop		
86)	Which of the following editor is used to create		in Java ?		
	Java source program in Ubuntu?		(A) Do - while (B) For		
	(A) Notebook (B) Jedit		(C) While (D) Loop		
	(C) Wordpad (D) SciTE	96)	Every class we write in Java is generally made		
87)	Java consists of function header & the	,	up of which of the two components?		
	sequence of statements enclosed between		(A) Behaviour and Information		
•	which braces?		(B) Attributes and Behaviour		
00\	(A) [] (B) [} (C) {} (D) ()		(C) Attributes and Information		
88)	Java supports how many primitive data type?		(D) Information and Comments		
, (00)	(A) 9 (B) 7 (C) 8 (D) 6	97)	A variable declared using class type can only		
89)	Which of the following data type hold real numbers?	",	store what?		
;	(A) double (B) long (C) char (D) byte		(A) Reference to an object		
90)	A name used to refer to the data stored in		(B) Store an object		
30)	memory is called what?		(C) Classified an object		
	(A) Object (B) Value		(D) Interfere an object		
	(C) Variable (D) Function	98)	In Java, when objects are no more needed, the		
91)	Which of the following is illegal way to define	90)	memory is claimed back for what?		
,	variable name in Java ?		(A) Direction (B) Next window		
	(A) %Sale (B) \$Price				
	(C) B4U (D) Amount\$	00)			
92)	Which of the following is not a reserved word	99)	All instances of class are allocated memory in data structure is called what?		
	in Java ?				
	(A) else (B) class (C) static (D) rate	100	(A) Leap (B) Zeap (C) Heap (D) Reap		
93)	Control structures in Java is divided in two	100)	Here dot (.) is an operator and associativity of dot operator is from where to where?		
	types loops and what ?		•		
	(A) Function (B) Message		(A) Left to right (B) Left to top		
	(C) Branches (D) Alerts		(C) Right to left (D) Left to bottom		
		* *			
	Answers of Board Quest	ion P	aper: March - 2017		
Ans	(1-C) $(2-B)$ $(3-A)$ $(4-B)$ $(5-A)$	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)		
	•		36 - C) (37 - D) (38 - B) (39 - B) (40 - A)		

									<u> </u>	
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)
* * * *	(6·1 – A)	(62 - B)	(63 – D)	(64 – B)	(65 – A)	(66 – B)	(67 - B)	(68 – B)	(69 – D)	(70 – C)
				-					(79 – C)	
									(89 – A)	
	(91 – A)	(92 – D)	(93 – C)	(94 – D)	(95 – A)	(96 – B)	(97 – A)	(98 – C)	(99 – C)	(100 – A)

COMMON STREAM

STD. - 12

Computer (331) (E)

TIME: 2:00 HRS.]

in Java?

(A) : (colon)

(C) . (dot)

BOARD'S PAPER MARCH: 2017

ITOTAL MARKS: 100

	#E : 2:00 III(0:)		[TOTAL MATRIX : 100
1)	What is to be represented on the top section of	9)	From the following who offers limited fre
	class diagram, which is a representation of class?		space on the web server?
	(A) Name of the class		(A) ISP (B) FTP (C) BOM (D) OMG
	(B) Attributes or properties of class	10)	Kompozer incorporates with whom that give
	(C) Behaviour of operations or methods of class		rapid access to file on both local machines an
	(D) All of these		remote servers?
2)	The name used for a constant value is known		(A) Site Manager (B) Page Manager
	as what in Java ?		(C) Document Manager
	(A) String (B) Array (C) Literal (D) Class		(D) None of these
3)	Inheritance is generally referred as which type	11)	When Java program created Java source fil
	of relationship between two classes?		using text editor, which file extension should be given?
	(A) Partial relationship		
	(B) Full relationship	12)	
	(C) Exclusive relationship	12)	From the following which package is used t support mathematical symbols in LaTeX?
	(D) 'is-a kind' of relationship		(A) SOS (B) AMS (C) MATH (D) SIGN
4)	Rational plan comprises of how many types of	13)	Which extension is used to save file of LaTex
	desktop products ?		(A) .text (B) .ltx (C) .tan (D) .tex
	(A) Two (B) Three (C) One (D) Four	14)	Which of the following statement is used i
5)	If we want to make visible to all the classes	14)	JavaScript to return a value in a function?
	outside the class, where method or variable is		(A) Event (B) Program
	visible to class, which type of access modifier is used?		
			(C) Return (D) Function
	(A) Protected(B) Package(C) Public(D) Private	15)	Who developed Amaya, which is free ope source WYSIWYG?
G)	What should be the information of website?		
6)			(A) W3C (B) Google
	(A) Incomplete, Relevant	10)	(C) Netscape (D) Apple
	(B) Incomplete, Irrelevant	16)	Which string constructor is used without arguments to create a string object with n
	(C) Complete, Relevant		characters?
-\	(D) Complete, Irrelevant		(A) string() (B) string (Char ary [
7)	Which software allows user to make calls over		
	the Internet using computer?		(C) string(string str obj) (D) string(str literal)
	(A) Amazon (B) Mcall.com	,_,	(D) string(str literal)
0)	(C) Skype (D) Google Map	17)	Which network is developed by the Gujara Government to provide information regarding
8)	From the following which operator is used to		various government departments, differen

(B) ; (semicolon)

(D), (comma)

(A) GSWAN

(C) ASWAN

application forms to be used by citizens?

(B) MSWAN

(D) RSWAN

(D) All of these

Which of the following website hosts the LaTeX

(A) CTAN (B) CLAN (C) CTEN (D) CLEN

Which type of braces is used to initialize data

(C) {}(

(D) ()

484			Board's Paper : March - 2017
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	27)	Which kind of webpage is created using HTML? (A) Static (B) Could not be changed (C) Roth (A) and (B) (D) Programs
19)	 (C) Malicious Code (D) Spoofing 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 	28)	 (C) Both (A) and (B) (D) Dynamic Which steps are required to create object from a class in Java? (A) Declaration (B) Instantiation (C) Initialization (D) All of these From the following, which are the types of
20)	(C) Cookies can be modified(D) All of theseWhat is used in web pages to improve the		stream class in Java? (A) Character stream (B) Byte stream class (C) Both (A) and (B) (D) Boolean stream
	design and validate the forms? (A) 'C' language (B) Java (C) Oracle (D) JavaSript	30)	In object-oriented programming (OOP) languages, creating an object is also known as what?
21)	Which operator can be used to concatenate a string in Java? (A) = (B) + (C) & (D) * 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	31)	 (A) Object instantiation (B) Object creation (C) Object making (D) None of these From the following which are the examples of B2C E-commerce business model? (A) fabmart.com (B) flipkart.com
23)	 (B) Array out of Index (C) Array Index Out of Bounds Exception (D) Not Found Array In object oriented terminology, the existing class is known as what ? 	32)	(C) amazon.com (D) All of these In Java, to search an element in an array, array class provides which type of method? (A) fill() (B) binarySearch()
24)	(A) Super class (B) Parent class (C) Sub class (D) Both (A) and (B) How can one write reserved character \$ in	33)	 (C) sort() (D) remove() From the following which option is used to insert table in webpage made in KompoZer? (A) Format → Table (B) Insert → Table
25)	LaTeX ? (A) \\$ (B) -\$ (C) *\$ (D) #S Which block is generally used to clean up at	34)	(C) View \rightarrow Table (D) Modify \rightarrow Table From the following which extension are used to indicate text files ?
	the end of executing a try block?		(A) .c (B) .txt

(D) throws

(C) .java

packages?

(A) <>

elements in 1-D array?

(B) []

35)

36)

(A) finally (B) catch (C) try

(A) <select> ... </select>

(B) <option> ... </option>

(C) <longtext> ... </longtext>

(D) <textarea> ... </textarea>

a product?

In form, which input element can be used to

enter comment, report or a long description of

	<u> </u>		100
37)	From the following what is the purpose for developing website?	45)	Which command is used to begin environment in LaTeX?
	(A) To provide information to a group of		(A) \begin {name} (B) /begin {name}
	people.		(C) \start {name} (D) \start (name)
	(B) To attract new customers.	46)	var x = document.jsl.name.value
	(C) To sell the products online.	·	In above statement, which is a variable ?
	(D) All of these		(A) x (B) document
38)	Which is the most commonly used numeric		(C) js1 (D) name.value
00,	function in JavaScript ?	47)	We can use various static methods provided by
	(A) validateForm() (B) isNaN()		Java using which array class?
	(C) alert() (D) number()		(A) java.util.Arrays (B) java.io
39)	In Java, if 'Str' is the object of string class and		(C) java.lang (D) All of these
	its content is "Hello", then what is the value of	48)	In object-oriented programming, what is an
	str.length() ?		indication of problem which occurs during
	(A) 8 (B) 7 (C) 6 (D) 5		program execution ?
40)	Which is the default level of protection, where		(A) Function (B) String
	lack of any access modifier keyword is in a		(C) Array (D) Exception
	declaration in Java ?	49)	What is the full form of CSS?
	(A) Public (B) Package		(A) Cascading Style Sheet
	(C) Protected (D) Private		(B) Cascading Super Sheet
41)	Which is the most popular and widely accepted		(C) Cascading Short Style
٠.	method of payment on internet in E-commerce	50)	(D) Cascade Sine Simple
	/ M-commerce ?	50)	Which E-commerce business model refers to E-commerce activities involving transactions
	(A) Credit Card (B) Cash	l	between and among the consumers?
40)	(C) Electronic Wallet (D) Ru-pay		(A) Government to Business
42)	Which method of string class is used to return a string with all characters of invoking string		(B) Consumer to Consumer
	converted to uppercase?		(C) Business to Business
	(A) int length()		(D) Business to Consumer
	(B) byte [] getBytes()	51)	Which menu is used to change page title in
	(C) String to Uppercase()	/	website created in KompoZer?
	(D) String concat(string str)		(A) Format → Page Title and Properties
43)	From the following which is a limitation of		(B) Format → Heading
	E-commerce ?		(C) Insert \rightarrow Heading
	(A) Conducts Business 24 × 7		(D) Insert → Heading and Subheading
•	(B) Speed	52)	File method boolean isFile() returns which type
	(C) No boundaries of geographical limitations		of value of File class?
	(D) Security		(A) True or False (B) Yes or No
44)	What is the default value of Boolean data type		(C) 0 or 1 (D) Y or N
-	of Java ?	53)	In Java, if we want to allow data directly
	(A) False (B) True		accessed by methods of other class, then which
	(C) 0 (zero) (D) 1		method is used?
		1	(A) getter (B) setter (C) main (D) void

54)	Which sign indicates single line comment in Java?	63)	From the following which is the illegal name of variable in Java?
	(A) /* and ends with */		(A) 4me (B) result
	(B) /** and ends with */		(C) amount\$ (D) price\$
	(C) // (D) #	64)	What is the size of second dimension in an
55)	Which were the first applications of		array sales [5][12] ?
	E-commerce website on Internet ?		(A) 12 (B) 5 (C) 60 (D) 11
	(A) E-newspaper (B) Book shops	65)	Which of the following is true about streams in
,	(C) Online Auctions (D) Marketing and		Java ?
	Selling		(A) Streams always flow in two directions.
56)	In Java in which condition program will get a		(B) Streams are channels through which the
	compilation error and not be able to create		data flow.
	".class" file ?		(C) Only one stream can be opened in a
	(A) Syntax error in compilation		program at a time.
;	(B) Use of undeclared variable		(D) All of these
	(C) Wrong spellings of identifier or keyword	66)	Which of the following is the process of buying
	(D) All of these		and selling products by offering the customers to bid the price?
57)	Which method of date class constructs date		(A) Auction (B) Registration
٠.	object using current system time in Java?		(C) Book store
	(A) Date & Time() (B) Today's Date()	·	(D) Marketing and Selling
	(C) Date() (D) now()	67)	From the following who allows more
58)	From the following which are the examples of	",	interactivity and control in data entry?
	open source IDEs ?.		(A) HTML Form (B) HTML Table
	(A) KompoZer (B) Eclipse		(C) HTML Report (D) All of these
	(C) JBuilder and Netbeans	68)	To add CSS in HTML webpage what is to be
	(D) All of these		used as a selector?
59)	Which type of block contains the code that may		(A) Information (B) Color
	give rise to one or more exceptions in Java?		(C) HTML element (D) All of these
20)	(A) try (B) catch (C) throw (D) finally	69)	From the following which is the example of
60)	Generally, which input element is used to select		Consumer to Business model ?
	a single item from a given group of item?		(A) bidstall.com (B) JeetLe.in
	(A) Textbox (B) Checkbox		(C) Both (A) and (B) (D) Flipkart.com
	(C) Radio button (D) Password	70)	A CSS rule has how many parts?
61)	Unified Modeling Language is defined by		(A) 1 (B) 2 (C) 3 (D) 4
	whom?	71)	What is the full form of TAR?
CO)	(A) IMG (B) PMG (C) OMG (D) CMG		(A) Tape Archiver (B) Tape Attacker
62)	From the following which type of visibility modifiers are used to protect a method or		(C) Tape Analyzer (D) Tape Administrator
	variables?	72)	Which command is used to compile source
	(A) Public (B) Package		program in SciTE ?
	(C) Protected and Private		(A) Edit \rightarrow Compile (B) Format \rightarrow Compile
	(D) All of these		(C) Tools \rightarrow Compile
	(D) All Of filese	Ι.	(D) File \rightarrow Compile

73)	Which shortcut key is used to compile LaTeX file in SciTE editor?	82)	A computer language is object oriented if it supports which type of object properties?
	(A) F4 (B) F5 (C) F6 (D) F7		(A) Abstraction
74)	Which of the following is enabled by data		(B) Polymorphism and Encapsulation
,	abstraction ?		(C) Inheritance (D) All of these
	(A) Data protection	83)	From the following which storage is permanent
	(B) Data hiding		storage, data is not lost when a computer loses
	(C) To hide implementation details of method		power ?
	manipulating the data		(A) Volatile storage (B) Non-volatile storage
	(D) All of these		(C) Both (A) and (B) (D) Object data
75)	From the following which is not a comparison	84)	Which block contains the code that is to be
	operator in Java ?		executed to handle an exception which is
	(A) > (B) < (C) <= (D) +		throw object using throw keyword?
76)	Which attribute of form elements is used to		(A) try (B) catch
	specify where to send the form data when the form is submitted?		(C) finally (D) throwobj
	(A) method (B) action	85)	Which protocol is used for securing web
	(C) name (D) type		transactions on the Internet ?
77)	Arrays are useful to represent which type of	,	(A) NNTP (B) FTP (C) STP (D) SSL
,	data in Java ?	86)	From the following which are powerful open
	(A) vector (B) matrix		source IDEs for building web applications like Java?
	(C) multi-dimensional (D) All of these		(A) Aptana Studio (B) Blue Griffon
78)	What are the limitations of Mobile commerce?]	(C) Amaya (D) All of these
	(A) Limited screen size	87)	What refers to buying and selling of goods or
	(B) Virtually can contact a user anytime and	",	services through the uses of internet enabled
	anywhere		wireless device ?
	(C) Provides global reach		(A) M-Banking
	(D) Customized alerts can be easily received on		(B) Multimedia Shopping
	the mobile		(C) M-Commerce
79)	Java language was developed by whom?		(D) Modern Commerce
	(A) Sun MicroSystems	88)	Java programming language use which type of
	(B) Oracle		methodology to analysis, design and
ου)	(C) Netscape (D) Microsoft What is the full form of JVM?		implementation of software?
80)			(A) Structure / Procedural programming
	(A) Java Visual Modern		language
	(B) Java Visual Modem		(B) Object-oriented programming language
	(C) Java Virtual Machine		(C) Both (A) and (B)
01)	(D) Java Visual Machine	00)	(D) System oriented programming language
81)	Which of the following is used as a separator between fields of record?	89)	Which program is used to enter Unicode
			Character into any application ?
	(A) Variable(B) Space(C) Path(D) Delimiter		(A) Character Display (B) Character Man
	(D) Deminier	l	(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



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)

SCIENCE STREAM

STD. - 12 (Sem. - IV)

Computer (331) (E)

TIME: 2:00 HKS.] BOARD S PAPER	MARCH . 2011 [TOTAL MARKS : 100
1) Variables defined inside methods or blocks are	11) Highest level of protection can be achieved by
called what ? 167	using which protection level? 172
(A) Instance Variable (B) Class Variable	(A) Public (B) Protect (C) Pure Private
(C) Local Variable (D) Object Variable	12) If we want to allow protect data to be used by
2) Variables defined within a class but outside	others, then which methods we write?
any method is known as what ? 167	(A) Accessor (B) Changer
(A) Class Variable (B) Instance Variable	(C) Mutator (D) Allower
(C) Local Variable (D) Object Variable	13) If we want to allow protect data to be used by
3) Which of the following word means "many	others to read only the data value, then we
forms"? 167	should use which method?
(A) Polymorphism (B) Constructor	(A) Mutator (B) Changer (C) Getter (D) Allower
(C) Instance (D) Method	
	14) Which of the following in object oriented programming language provide reusability
In Java we can have different methods that have same name but a different signature. This	feature? 176
is called what? 167	(A) Substation (B) Objection
(A) Method loading (B) Method overloading	(C) Inaddition (B) Inheritance
(C) Method testing (D) Method uploading	15) Which type of relationship inheritance uses
5) Which of the following can perform any	between two classes? 176
action; but it is mainly designed to perform	(A) 'have-a' (B) 'is-a'
initializing actions? 168	(C) 'has-a' (D) 'are-a'
(A) Constructors (B) Confirmation	16) Which of the following is useful to represent
(C) Contractor (D) Consolidation	vector, matrix and other multi-dimensional
6) How to define user define no-argument	data? 186
constructor? 170	(A) Variable (B) Box
(A) Room { } (); (B) Room {()};	(D) Structure
(2) Room () {}; (D) Room ({});	17) Which of the following is used to represent 2D
7) Which of the following is increment operator	data structure like table of rows and columns
in Java? 142	(A) Variable (B) Box 186
(A) (B) \+ (C) ++ (D) \++	(C) Array (D) Matrix
8) Which of the following is not a fourth P's of	18) When we define Array, Index value starts with what? 187
protection? 170	(A) 1 (B) 7 (C) 2 (D) 0 (zero)
(A) Package (B) Private	19) If we have defined array like
(C) Public (D) Provide	Chp int marks [] = {7, 9, 11, 13, 15, 17};
9) To organize classes, where does package	then what will be the value of marks[4]?
statement should be added in the source file?	(C) 15 (D) 17
First non-comment line	20) Which of the following class is utilise in array
(B) Last line	to use methods Sort(); ? \29
(C) First comment line	(A) Java.math.Arrays (B) Java:All.Arrays
(D) Last comment line	(C) Java Function Arrays
10) Which of the following is syntax of package?	The state of the s
(A) Package (Classes Name);	(21) To search an element in an array, Array class
(R) Package [[Object Name]]:	provides which method? \90.
(C) Package [Object Name];	(A) Element Search() (B) Search Element ()
(D) Package <package name="">;</package>	binarySearch () (D) Binary Element()
4	178

- If in Java 2D Array is defined like 22) 191 int marks [1] = new int [6] [4];then, how many integers are stored in memory using contiguous memory? (A) 64 (B) 10 ' (C) 42 JEDY 24 To initialize 2-D arrays, all these initialized 23) rows are to be enclosed in curly braces {} and separated by what? \92 ABY Comma. (A) Dot (C) Semicolon (D) Colon Java supports two types of strings that are 24) handled by two classes namely as below? (A) String and Buffered 19 u (B) String and Buffers 33) (C) String and String Buffered String and String Buffer Which of the following constructor used to 25) create a string object that refers to the literal 34) specified in argument? IQU (A) String (string literal) (B) String (string arg { }) (C) String (char arg []) (D) String (arg [] char) Which of the following method of string class **26**) 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) Which of the following string method is used to return number of characters in invoking string? FDI (A) int invoke() (B) int length() (D) int find() (C) int con() Which of the following method is used to return strings with all characters of invoking 38) string converted to uppercase? (A) String CaseUpper() FP1 (B) String UPPERO (C) String Upper() (D) String to Upper Case() Which of the following method string class of Java does not provide? (A) Lowercase of a string (B) Uppercase of a string 197 (C) Reverse a string entropy, (D) Concating a string
 - 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 199 (A) int DateCurr() (B) CurrTime() (C) Date() (D) int CurrTime() 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 Which of the following class encapsulate both date and time and represent the values using milliseconds precision? (A) Year class (B) TDate class (CY Date class (D) Time class Which of the following constant of calendar class helps to display week number within the month? 7.0 O (A) WEEK_OF_NUMBER UB) WEEK OF MONTH (C) WEEK_OF_YEAR (D) WEEK_OF_NMONTH If 'Str' is the object of string class and its content is 'GUJARAT', then what is the value of Str.length() ? ChP. 9 JAY 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 (B) Class 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 204 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)

224

(D) String Token()

(C) String next()

(D) Non-volatile storage

(C) Volate storage

	61)	LaTex documents are typically created using which editor in Ubuntu?	7 4)	Which of the following commands generate the set union symbol? 252
241		(B) Editplus		(A) \Setunion \(\begin{aligned} \text{(B)} \Cup
29 I		(C) Notepad (D) Wordpad		(C) \Cap (D) \Union
	62)	Which of the following can be used to explicitly	75)	•
	-	specify the logical structure of the document in	10)	line in the preamble? 244
		LaTeX ?		(A) \title (B) \usepackage
141		(B) \chapter		(C) \maketitle \(\mathcal{D}\) \documentclass
	•	(C) \date (D) \pdf	76)	• • • • • • • • • • • • • • • • • • • •
41	63)	What is the file extention of TeX and LaTeX?	'''	language ? \ 2 7
,41		(A) Xet (B) Lat (C) .tar (D) .tex		(A) SQL (B) Fortrain (C) C (D) Foxpro
	64)	LaTeX commands starts with a which	77)	At which level platform - independence is
42	<u>.</u>	character followed by the command line?	1	mandhla dua ta kutanada luta-matan 9
_		(A) / (front slash) (B) \ (back slash)	1.27	(A) Binary level (B) Bottom level
•		(C) # (hash) (D) * (star)	Ì	(C) Source level (D) High level
	65)	Which of the following command in LaTeX is	78)	The alphabet D in JDK stands for which of the
		used to break lines? 242	1	following?
	•	(C) # (D) \$	27	(A) Development (B) Department
	66)	In LaTex, option argument is written in which		(C) Design (D) Desktop
	•	brackets? 242	79)	Which of the following company is best known
		(A). {} (B)[] . (C) () (D) <>	,	for its high-end Unix workstations?
	67)	Which of the following character is reserved in	12	(A) PC System (B) RIL System
		LaTex ? 243		(E) Sun Microsystems (D) Apex System
		(A) , (Comma) (B) % (Percentage)	80)	Programs written in Java are compiled into
		(C) . (Dot) (D) : (Colon)		machine language for a computer that doesn'
•	68)	Which of the following character is used as		really exists. This type of computer is known a
59	5.	comment in LaTex?	1	what? \28
	CO)	(A) // (B) % (C) * (D) #	ļ ·	(A) Java Verifier Machine
	69)	In LaTex, the actual content is always inside the environment document, written between	ĺ	(B) Java Virtual Model
		which of the following?		(C) Java Vertical Machine
•		(A) \s {document} and \stop		(D) Java Virtual Machine
240	K	(B) \b and \a	81)	The only disadvantage of using bytecodes i
		(C) \begin and \stop	1	which of the following?
		(b) \begin \document\ and \end \document\]	(A) Fast execution speed
	70)	Which of the following shortcut is used to		(B) High execution speed
PP		compile (Build) LaTex file in SciTE editor?	,	USY Slow execution speed
, ,		F5 (B) F4 (C) F7 (D) F9		(D) Random execution speed
	71)	Which of the following command is used in	82)	In Java, Java source files name and class the
50)	LaTeX to make text as italic effect?	1	define name should be what? 128
6 9 -		(A) \ittext \(\mathbb{B} \sqrt{textit} \(\mathbb{C} \) \txtit \(\mathbb{D} \) \tit		Same (B) Totally different
	72)	In Latex, square root of a number x is denoted	ļ	(C) Different (D) Vice Versa
	•	by which of the following command?	83)	•
25	3	(A) $\operatorname{st} \{x\}$ (B) $\operatorname{sT} \{x\}$	128	(A) Java (B) JSF (C) Jav (D) JDK
•		$(C) \operatorname{sqrt} \{x\} $ (D) $\operatorname{sq} \{x\}$	84)	Which of the following way user can ru
	73)			"abc. Java" source program through th
		print 'not equal to' symbol (\neq) ?	1:00	application using Java interpreter?
25	2	(A) \nequal (B) \tn	112	(A) java abc.obj (B) java ABC
		(D) \div		(D) java abc
			* -	

Board Paper: March - 2017

85) 86)	In Java, the text written in which of the following are comments? \3 \ (K) /* */ (B) * */ (C) /* /* (D) * *\ Which of the following editor is used to create	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
87) 88)	Java source program in Ubuntu? (A) Notebook (B) Jedit (C) Wordpad (D) SciTE Java consists of function header & the sequence of statements enclosed between which braces? 32 (A) [] (B) [] (C) {} (D) () Java supports how many primitive data type?	(C) 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 (G) Attributes and Behaviour (C) Attributes and Information
89) 90)	(A) 9 (B) 7 (C) 8 (D) 6 Which of the following data type hold real numbers? (3) (A) double (B) long (C) char (D) byte A name used to refer to the data stored in memory is called what? 3 (A) Object (B) Value	(D) Information and Comments 97) A variable declared using class type can only store what? \6\\ (A) Reference to an object (B) Store an object (C) Classified an object (D) Interfere an object
91)	Which of the following is illegal way to define variable name in Java? \35 (A) %Sale (B) \$Price (C) B4U (D) Amount\$ Which of the following is not a reserved word in Java? \35 (A) else (B) class (C) static (D) rate	98) In Java, when objects are no more needed, the memory is claimed back for what? 162 (A) Direction (B) Next window (B) 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
93) 47	(A) Function (B) Message (C) Branches (D) Alerts	100) Here dot (.) is an operator and associativity of dot operator is from where to where? \(\(\infty\) Left to right (B) Left to top (C) Right to left (D) Left to bottom \(\ddot\) \(\ddot\)
An	ns.: (1-C) (2-B) (3-A) (4-B) (5- (11-D) (12-C) (13-C) (14-D) (15-	A) (6-C) (7-C) (8-D) (9-A) (10-D) -A) (16-C) (17-D) (18-D) (19-C) (20-D) -A) (26-A) (27-B) (28-D) (29-C) (30-A)

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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)

SCIENCE STREAM

STD. - 12 (Sem. - IV)

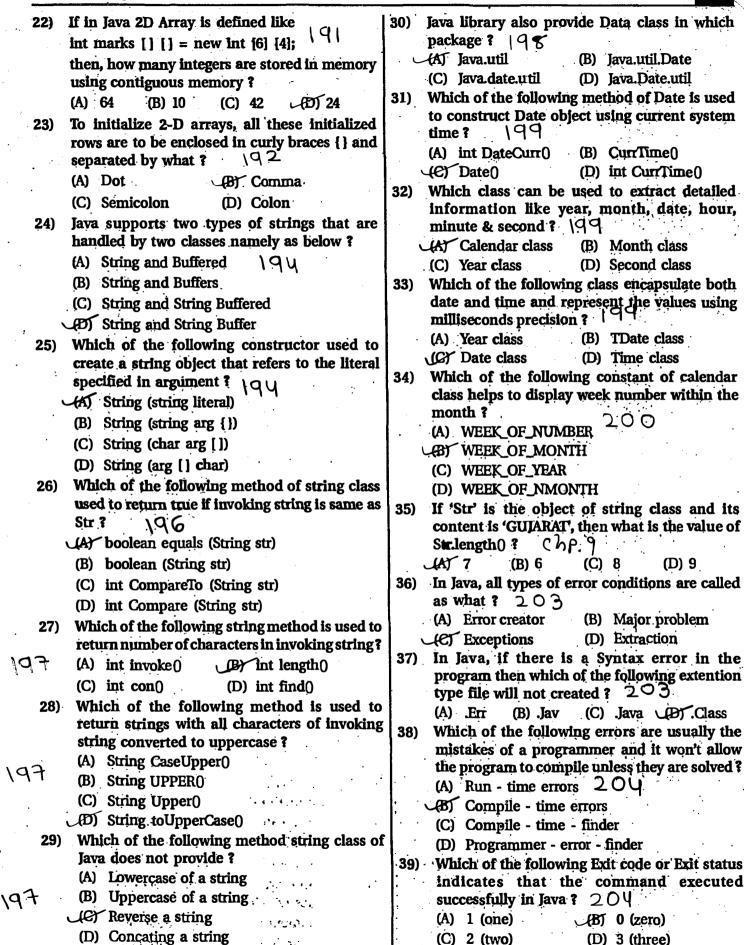
Computer (331) (E)

TIME : 2:00 HRS.]

BOARD'S PAPER MARCH: 2017

[TOTAL MARKS: 100

1) Variables defined inside me called what ? 167	thods or blocks are 1	11) Highest level of protection can be achieved by using which protection level? 172
(A) Instance Variable (B)	Class Variable	(A) Public (B) Protect (C) Pure Private
		12) If we want to allow protect data to be used by
2) Variables defined within a	•	174 others, then which methods we write?
any method is known as v		(A) Accessor (B) Changer
(A) Class Variable (B)		(C) Mutator (D) Allower
	. 11	13) If we want to allow protect data to be used by
	Object Variable	others to read only the data value, then we
3) Which of the following w forms"? 167	ord means many	should use which method?
	Į ·	(A) Mutator (B) Changer
	Constructor	(D) Allower
		14) Which of the following in object oriented
4) In Java we can have differ have same name but a differ		programming language provide reusability
in o duite in in but it the	rent signature. This	feature? 176
is called what? 167		(A) Substation (B) Objection
(A) Method loading (B)		(C) Inaddition (D) Inheritance
(C) Method testing (D)	_ , ,	15) Which type of relationship inheritance uses
5) Which of the following		between two classes? 176
action; but it is mainly d		(A) 'have-a' (B) 'is-a'
initializing actions? 169	•	(C) has-a' (D) 'are-a'
		16) Which of the following is useful to represent
	Consolidation	vector, matrix and other multi-dimensional data? 186
6) How to define user de	fine no-argument	(A) Variable (B) Box
constructor? (70		(A) Variable (B) Bux (C) Array (D) Structure
	Room {()};	17) Which of the following is used to represent 2D
(D) (D)	Room ({ });	data structure like table of rows and columns?
7) Which of the following is	increment operator	
in Java? 142		(A) Variable (B) Box 186 (C) Array (D) Matrix
(A) (B) \+ L(e)	++ (D) \++	18) When we define Array, Index value starts with
8) Which of the following is	not a fourth P's of	what? 187
protection ? 170		(A) 1 (B) 7 (C) 2 (D) 0 (zero)
(A) Package (B)	Private	19) If we have defined array like
(C) Public (D)	Provide	Chp int marks [] = {7, 9, 11, 13, 15, 17};
9) To organize classes, wh		then what will be the value of marks[4]?
statement should be adde	d in the source file?	(C) 15 (D) 17
70 (A) First non-comment li	ne	20) Which of the following class is utilise in array
(B) Last line		to use methods Sort(); ? \ Q Q
(C) First comment line		(A) Java.math.Arrays (B) Java:All.Arrays
(D) Last comment line		(C) Java Function Arrays
10) Which of the following is	syntax of package?	D) Java.util.Arrays
(A) Package (Classes Nam		21) To search an element in an array, Array class
(R) Package UObject Nam	1.	provides which method? \90
(C) Package [Object Name		(A) Element Search() (B) Search Element ()
D Package Package Nar		lo a company and a company
~ ~	1	binarySearch () (D) Binary Element()



480		Board Paper : March - 2017
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.lang (D) java.Exp and java.io Which of the following exception class handle an I/O error while printing? 205 (A) PRINTEROR (B) PrintIOHandle (C) PrinterException (D) PrinterIOException Which of the following keyword is not used in writing an exception handler? 206 (A) Catch (B) Finally (C) Try (D) Drop	Sandom Access Memory is example of which type of storage? 220 (A) Volatile storage (B) Permanent storage (C) Volate storage (D) Non-volatile storage (D) Non-volatile storage (E) Which of the following class encapsulates information about the properties of a file or a directory? 22 \(\) (A) java.io.directory (B) java.io.File (C) jave.File (D) java.directory (E) 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()
44)	(A) Catch (B) Finally (C) Try (D) Drop Which of the following block must immediately follow the try block? 205 (A) Catch block (B) Throw clause (C) Throw block (D) Throw statement	(C) boolean File() (D) boolean is File() 54) Java uses which classes to carry out read and write operations on files? 224 (A) I/O class (B) Text class (LE) Stream class (D) R/W class
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	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?
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? 2 \ \(\) (A) Catch block \(\mathcal{B}\) Finally block (C) Test block \((\mathcal{D}\)) Edit block	(A) Print Reader (B) Buffered Reader
47)	We can create user - defined exceptions by creating what of exception class? 2 5 (A) In class Sub class	(C) java.lang (D) java.util 58) Which of the following is the default delimiter of Scanner class? 233

(A) Colon

59)

Med Empty space

(A) Writer class

(C) File class

(A) String nex()

String next()

password? 237

(B) Semicolon

Which class provides a method for reading

60) Which of the following Scanner class is used to

return the next token? 233

(D) Double quotes

(B) Scanner class

(B) String NToken()

(D) String Token()

(D) Console class

(C) Outer class

files? 220

(A) Volatile storage

(C) Volate storage

(A) Four

(A) Java

48)

49)

(D) Super class

(C) Text (D) MP3

(B) Permanent storage

(D) Non-volatile storage

(D) Three

Storage devices of a computer system can be

broadly classified into how many categories?

Which of the following file is known as binary

Which type of value stored in variables are lost

(B) Five (C) Two

(B) C

when computer is shutdown?

61) LaTex documents are typically created using which editor in Ubuntu?	74) Which of the following commands generate the set union symbol? 252
フリト しば Gedit (B) Editplus	(A) \Setunion \(\begin{aligned} \B \\ \Cup \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
(C) Notepad (D) Wordpad	(C) \Cap (D) \Union
62) Which of the following can be used to explicitly	75) Which of the following refer to the very first
specify the logical structure of the document in	line in the preamble? 244
ToTaY 2	(A) \title (B) \usepackage
241 Latex 19 (B) \chapter	(C) \maketitle \(\mathbb{D}\) \\ \documentclass
(C) \date (D) \pdf	76) Most of the Java syntax is very similar to which
63) What is the file extention of TeX and LaTeX?	language ? \ 2 7
(A) Xet (B) Lat (C) tar (D) tex	(A) SQL (B) Fortran(C) C (D) Foxpro
64) LaTeX commands starts with a which	77) At which level pletform independence is
character followed by the command line?	possible due to bytecode interpreter?
(A) / (front slash) (B) \ (back slash)	Possible due to bytecode interpreter ? (A) Binary level (B) Bottom level
(C) # (hash) (D) * (star)	(C) Source level (D) High level
65) Which of the following command in LaTeX is	
used to break lines? 242	78) The alphabet D in JDK stands for which of the
(A) \\ (B) ;; (C) # (D) \$	27 following?
66) In LaTex, option argument is written in which	(B) Development (C) Department
brackets? 242	(C) Design (D) Desktop
(A) {} (B) [] (C) () (D) <>	79) Which of the following company is best known
67) Which of the following character is reserved in	for its high-end Unix workstations?
LaTeX ? 243	(A) PC System (B) RIL System
(A) , (Comma) (Percentage)	Sun Microsystems (D) Apex System
(C) . (Dot) (D) : (Colon)	80) Programs written in Java are compiled into
68) Which of the following character is used as	machine language for a computer that doesn't
comment in LaTex?	really exists. This type of computer is known as what? \28
250 (A) // QBJ% (C) * (D) #	(A) Java Verifier Machine
69) In LaTex, the actual content is always inside	
the environment document, written between	(B) Java Virtual Model
which of the following?	(C) Java Vertical Machine
(A) \s {document} and \stop	(D) Java Virtual Machine
(B) \b and \a	81) The only disadvantage of using bytecodes is
(C) \begin and \stop	which of the following?
(D) \begin \{document\} and \\end \{document\}	(A) Fast execution speed
70) Which of the following shortcut is used to	(B) High execution speed
compile (Build) LaTex file in SciTE editor?	Slow execution speed
(X) F5 (B) F4 (C) F7 (D) F9	(D) Random execution speed
71) Which of the following command is used in	82) In Java, Java source files name and class they
250 LaTeX to make text as italic effect?	define name should be what? \28
(A) \ittext \(\mathbb{B}\setatit\) \(\text{textit}\) (C) \txtit\ (D) \tit	(B) Totally different
72) In Latex, square root of a number x is denoted	
by which of the following command?	83) What is the extention of Java source file?
$253 \qquad (A) \text{(B)} \text{(B)} \text{(B)}$	$\sqrt{26}$ (A) Java (B) JSF (C) Jav (D) JDK
$(C) \operatorname{sqrt} \{x\} \qquad (D) \operatorname{sq} \{x\}$	84) Which of the following way user can run
73) In LaTex, which of the following way we can	
print 'not equal to' symbol (\neq) ?	application using Java interpreter?
252 (A) \nequal (B) \tn	(A) java abc.obj (B) java ABC
Let \neq (D) \div	description descri

Board Paper: March - 2017

(D) Left to bottom.

	4						
85)					vhich of	the 94) In Java, which sta
			comme	nts ? \3			the loop structure
. ,	JAS		• • •	(B) * */	_	. · · · š.	(A) System (B) Sto
	,	/ * / *		(D) * *\	•) Which of the follo
86)				g editor is			in Java? 152
				in Ubuntu	³ : 128	•	(A) Do - while
	(A)	Noteboo		(B) Jedit			(C) While
	(C)	Wordpad	lι	LDY SciTE		96	6) Every class we wi
87)	-			inction h		the	up of which of the
	seq	uence of	statem	ents enclo	sed betw	veen	(A) Behaviour an
•		ch brace:				ļ.,	Attributes and
				ue) {}			(C) Attributes an
_				any primiti		pe ?	(D) Information
33	(A)	_	-	UET 8	(D) 6		_
89)		ich of th nbers ?		ing data t	ype hold	real 9	store what?
i	LAY	double (B) long	(C) char	(D) byt	e	(A) Reference to
. 90)	A n	ame use	d to refe	er to the d	lata store	d in	(B) Store an obje
	me	mory is c	alled wh	at? 134			(C) Classified an
•	(A)	Object	•	(B) Value			(D) Interfere an
	વ્હ	Variable	•	(D) Func	tion	98	B) In Java, when obj
91)				ng is illegal	way to d		memory is claim
			ne in Jav	a ? 135		.	(A) Direction
,	كلكك	%Sale	•	(B) \$Pric	8 ,		JET Reuse
•	(C)	B4U		(D) Amo	unt\$	9	9) All instances of c
92)				ng is not a	reserved	word	data structure is
		Java? \					(A) Leap (B) Z
				(C) static	•	1 10	00) Here dot (.) is an
93)				n Java is d	li vided i n	two	dot operator is f
47		es loops	•		•		(A) Left to right
~ (· (A)	_		(B) Mess	_		(C) Right to left
	<u> (6)</u>	Branche	<u>s</u>	(D) Alert	<u> </u>		
		•	•	•	•	* *	*
•		·	A	nswers of	Board (Question	n Paper: March -2
An	ıs. :	(1 – C)	(2 – B)	(3 – A)	(4 - B)	(5 – A)	(6 – C) (7 – C)
	٠.	(11 – D)	(12 – C	(13 – C)	(14 – D)	(15 – A)	(16 - C) (17 - D)
•		(21 – C)) (23 _ B)	(24 - D)	(25 _ A)	$(26 - A) \cdot (27 - B)$

statement is used to exit from ture ? 153 Stop (C) Out (B) Break ollowing is exit - controlled loop 52 (B) For (D) Loop write in Java is generally made f the two components? and Information 161 and Behaviour and Information on and Comments lared using class type can only 161 to an object bject an object n object objects are no more needed, the imed back for what? 162 (B) Next window (D) Assignment of class are allocated memory in is called what? 163 Zeap (C) Heap (D) Reap an operator and associativity of is from where to where? 163 ht (B) Left to top

-2017 .

Ans.: (1-C) (2-B) (3-A) (4-B) (5-A) (6-C) (7-C) (8-D) (9-A) (10-	ות
	(ע
(11-D) $(12-C)$ $(13-C)$ $(14-D)$ $(15-A)$ $(16-C)$ $(17-D)$ $(18-D)$ $(19-C)$ $(20-C)$	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) $(42-D)$ $(43-C)$ $(44-A)$ $(45-D)$ $(46-B)$ $(47-B)$ $(48-C)$ $(49-D)$ $(50-C)$	· A) .
(51-A) (52-A) (53-D) (54-C) (55-A) (56-B) (57-D) (58-C) (59-D) (60-	· C) ·
(61-A) $(62-B)$ $(63-D)$ $(64-B)$ $(65-A)$ $(66-B)$ $(67-B)$ $(68-B)$ $(69-D)$ $(70-B)$	· C)
(71-B) $(72-C)$ $(73-C)$ $(74-B)$ $(75-D)$ $(76-C)$ $(77-A)$ $(78-A)$ $(79-C)$ (80-	
(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)