This Question Paper contains 16 printed pages.

Seat No.: G h 9 0 9 3 2

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Sl. No. : 501114

331(E)

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E

Time : 2 Hours] [*Maximum Marks : 100*

Instructions :

The OMR sheet is given for answering the questions. The answer of each question is represented by '○', for example, (A) ○, (B) ○, (C) ○, (D) ○. Darken the circle of the correct answer with ball-pen ink. There are total 100 questions in this question paper. Each question carries 1 mark. All questions are compulsory.

1) Which of the following is an example of binary file extension?

(A) .txt
(B) .java
(C) .jpeg
(D) .c

2) In class diagram, a class is represented with an icon using a rectangle is splitted into how many sections?

(A) 2
(B) 3
(C) 4
(D) 6

3) Which of the following service customer can not avail with the help of online banking?

(A) check account balance

(B) final status of transactions

(C) cash withdraw or deposit

(D) transfer the money from one account to other

4) In Java, Calendar class is provided into which package?

(A) java.Date
(B) java.calendar
(C) java.year
(D) java.util

5) In Java, what is the default value of Boolean data type?

(A) true

(B) false

(C) 1

(D) 0

6) Which of the following stands for IDE?

(A) Internet Development Environment

(B) International Development Environment

(C) Indian Development Environment

(D) Integrated Development Environment

7) In 'R' software, which command is used for viewing some demonstrations?

(A) disp ( )

(B) demo ( )

(C) view ( )

(D) helpview ( )

8) Which of the following is not a symbol of trademark?

(A) TM

(B) SM

(C) C

(D) ®

9) When will the page title be displayed when webpage is viewed in the browser?

(A) on status bar

(B) on menu bar

(C) on titlebar

(D) on main window

10) Which of the following payment card has a microchip embedded on its surface?

(A) Smart card

(B) Debit card

(C) Credit card

(D) Charge card

11) Which of the following information should a website contain?

(A) Complete, Relevant

(B) Complete, Irrelevant

(C) Incomplete, Irrelevant

(D) Incomplete, Relevant

12) In Java, which of the following is used to repeat a sequence of statements over and over until some condition occurs?

(A) Loops

(B) Branches

(C) Breaks

(D) Sets

13) Which of the following is not true for Java Constructor?

(A) Constructor must have the same name as class name

(B) Default constructor does not take any argument

(C) Constructor does not have return type

(D) Constructor can be invoked explicitly else where in the program

14) Which of the following symbol signifies the start and end of a JavaScript block?

(A) semicolon

(B) square bracket

(C) curly bracket

(D) round bracket

15) Which of the following refers to an error condition in object oriented programming terminology?

(A) anomaly

(B) abbreviation

(C) exception

(D) deviation

16) In JavaScript, isNan(123) returns which value?

(A) false

(B) true

(C) 10

(D) −1

17) In Java, what type of value is returned when we use get method of calender class with constant DAY_OF_YEAR as an argument?

(A) int

(B) char

(C) String

(D) boolean

18) In LaTeX, which of the following document class is used for writing individual articles?

(A) book

(B) slides

(C) letter

(D) article

19) In Java, what keeps the data safe from unintended actions and inadvertent access by outside objects?

(A) Data-abstruction

(B) Polymorphism

(C) Encapsulation

(D) Aggregation

20) In Java, which of the following block handles or takes appropriate action when an exception occurs?

(A) try

(B) catch

(C) throws

(D) handles

21) In Java, read ( ) method of file Reader class returns which value to indicate the end of stream?

(A) 0

(B) −1

(C) 1

(D) e

22) Which of the following is not an important point of the planning process of good website?

(A) Purpose

(B) Audience

(C) Content

(D) ISP

23) Which security system is used by major credit card companies to make online transactions secured?

(A) Secure Electronic Transfer

(B) Portable Electronic Transfer

(C) General Electronic Transfer

(D) Cash Electronic Transfer

24) In HTML, which of the following attribute of form is used to specify where to send the form data when the form is submitted?

(A) action   (B) input

(C) value   (D) submit

25) Java supports how many primitive data types?

(A) 2   (B) 4

(C) 6   (D) 8

26) In UML, which of the following is used as visibility symbol?

(A) *   (B) #

(C) <   (D) >

27) Polymorphism is achieved using how many types of overloading?

(A) 2   (B) 3

(C) 4   (D) 6

28) In the exception handling of Java, which block is always executed before the program ends?

(A) try   (B) catch

(C) finally   (D) throw

29) Which of the following elements are not included in try block?

(A) the keyword try

(B) the keyword catch

(C) the curly bracket

(D) statements that might cause exceptions

30) Who developed Java language?

(A) Microsoft   (B) Adobe

(C) Google   (D) Sun Microsystems

31) Which of the following statement is used to return a value in a function of JavaScript?

(A) return   (B) function

(C) select   (D) send

32) Which of the following is a reserved character of LaTeX?

(A) %   (B) +

(C) –   (D) =

33) In LaTeX, which of these environments displays mathematical content inline with the text?

(A) displaymath   (B) math

(C) equation   (D) text

34) Which of the following is not a right statement to declare an array named marks in Java?

(A) int marks [ ] = new int [3]

(B) int [ ] marks = new int [3]

(C) int marks [3] = {50, 60, 70}

(D) int marks [ ] = {10, 20, 30}

35) In Java, which of the following is used to represent a collection of homogeneous type of elements?

(A) function   (B) array

(C) procedure   (D) switch

36) Which of the following card payment mechanism is launched by National Payments Corporation of India (NPCI)?

(A) Paytm   (B) RuPay

(C) Gpay   (D) E-wallet

37) In JavaScript, which event would occur when loading of image is cancelled?

(A) blur   (B) load

(C) abort   (D) unload

38) What is the machine language for the Java Virtual machine known as?

(A) Java source code

(B) Java application code

(C) Java program code

(D) Java byte code

39) In VLC media player, which menu option is used to convert multimedia files from one format to another?

(A) File → convert

(B) Media → convert/save

(C) View → convert/save

(D) Edit → convert

40) In Java, which keyword is used to declare class variable?

(A) Static

(B) Private

(C) Public

(D) Package

41) In Java, how many levels of visibility modifiers are available for access control?

(A) 2

(B) 3

(C) 4

(D) 6

42) In Java, which of the following class returns the name of files and directories in a directory?

(A) String [ ] list ( )

(B) boolean isFile ( )

(C) String getName ( )

(D) String getPath ( )

43) In Java, which exception class is used when there is an attempt to divide any number by 0 ?

(A) ArrayIndexOutOfBoundsException

(B) ArithmeticException

(C) NumberFormatException

(D) NullPointerException

44) In LaTeX, optional arguments are written into which brackets?

(A) [ ]   (B) { }

(C) ( )   (D) < >

45) In Java, which of the following level of protection is used to allow the access only to subclass or to share with the methods declared as "friend"?

(A) Public   (B) Package

(C) Protected   (D) Private

46) In KompoZer, which option of 'Table' tab of 'Table properties' dialog box is used to align the table as left, right or centre?

(A) Size   (B) Border and Spacing

(C) Table Alignment   (D) Caption

47) In Java, initial value of array elements are specified into which brackets?

(A) ( )   (B) { }

(C) [ ]   (D) < >

48) In Java, which of the following class provides a method for reading password?

(A) Console

(B) FileOutputStream

(C) FileInputStream

(D) Scanner

49) In Java, if 'str' is the object of string class and its content is @Thank GOD@, then what is the value of str.length ( ) ?

(A) 9   (B) 10

(C) 8   (D) 11

50) In SciTE editor, which menu option is used to compile java source program?

    (A) Tools → Go   (B) Tools → compile

    (C) Tools → buildcode   (D) File → Run

51) Which of the following is not an important aspect of E-commerce / M-commerce security?

    (A) Confidentiality   (B) Integrity

    (C) Copyright   (D) Non-repudiation

52) Which of the following websites is not an example of Consumer to Consumer E-commerce business model?

    (A) ebay.com   (B) rediff.com

    (C) olx.com   (D) quikr.com

53) In inheritance two classes have which type of relationship?

    (A) is – a relationship

    (B) has – a relationship

    (C) a – part – of relationship

    (D) None

54) In Java, int compare to (string str) method returns which value if invoking string is equal to str?

    (A) 0   (B) > 0

    (C) < 0   (D) −1

55) In UML, which symbol is used for private visibility?

    (A) −   (B) +

    (C) ~   (D) *

56) Which method of java.util. Arrays class is used to fill the whole or partial array with specified value?

    (A) sort ( )   (B) put ( )

    (C) print ( )   (D) fill ( )

57) In KompoZer, cascade button is available on which Toolbar?

(A) Edit mode Toolbar

(B) Composition Toolbar

(C) Format Toolbar1

(D) Format Toolbar2

58) In Java, which of the following is the keyword used to refer a superclass constructor in subclass constructor?

(A) extends

(B) super

(C) name of the superclass

(D) new

59) Which of the following is an attribute of HTML<Form> element?

(A) method

(B) type

(C) value

(D) initial selection

60) Which of the following stands for UML?

(A) United Main LAN

(B) United Model Language

(C) Unified Modelling Language

(D) Union Model Language

61) Which of the following is used to define common features of similar objects?

(A) class

(B) object

(C) methods

(D) variable

62) Which program is used to enter Unicode characters into any application?

(A) character Map

(B) character Insert

(C) character Input

(D) character File

63) In LaTeX, which command is used to insert a break in line?

(A) #

(B) ?

(C) \\

(D) $

64) Which of the following is not used for comment in Java?

(A) //

(B) / * . . . * /

(C) // * . . . * //

(D) / ** . . . * /

65) What should be the extension of Java source program file?

(A) .class   (B) .jar

(C) .htm   (D) .java

66) Which method of Date class of Java returns a string representing date and time of invoking object?

(A) long getTime ( )

(B) Date (long elapsedTime)

(C) Void Time (long elapsedTime)

(D) StringtoString ( )

67) Which of the following is not a large online bookstore website?

(A) www.mybookbuy.com

(B) www.amazon.com

(C) www.buybooksindia.com

(D) www.bookshopofindia.com

68) In KompoZer, which menu-option is used to change webpage title?

(A) Insert→Page title

(B) Edit→Page title and properties

(C) Format→Page title and properties

(D) File→Page title

69) Which of the following is not an advantage of CSS?

(A) CSS makes web designer's job easier.

(B) CSS makes webpages loading faster as compared to HTML.

(C) CSS makes website designing quick and efficient.

(D) CSS compatibility varies with different browsers.

70) In the 'CSS stylesheets' dialog box of KompoZer, which tab is used to change the colour of a font?

(A) General   (B) Text

(C) Background   (D) Lists

71) In Java, which keyword is used to define a class?

(A) class   (B) Class

(C) CLASS   (D) Super

72) In KompoZer, which short cut key is used to close the site manager pane?

(A) F5   (B) F7

(C) F9   (D) F2

73) Which of the following is a comparison operator of Java?

(A) +   (B) %

(C) <   (D) *

74) In Java, which of the follwing are variables defined within a class but outside any method?

(A) local variables   (B) instance variables

(C) class variables   (D) main variable

75) In Java, which of the following methods of string class returns a string after appending str with the invoking string?

(A) char index At (int index)

(B) byte [ ] getBytes ( )

(C) String concat (String str)

(D) String append (String str)

76) Aggregation represents which type of relationship between two classes?

(A) non-exclusive   (B) exclusive

(C) same   (D) None of the above

77) Which of the following E-commerce business model is also a part of E-governance?

(A) Business to Business (B2B)

(B) Consumer to Business (C2B)

(C) Consumer to Consumer (C2C)

(D) Government to Citizen (G2C)

78) Commodity.com and tradeindia.com websites are an example of which E-commerce business model?

(A) Business to Consumer (B2C)

(B) Business to Business (B2B)

(C) Consumer to Consumer (C2C)

(D) Consumer to Business (C2B)

79) In Java, which statement is used to skip the following statements in a loop and continue with the next iteration?

(A) break   (B) continue

(C) go   (D) run

80) In Java, which of the following looks for unused objects and reclaims the memory that those objects are using?

(A) Variable collector

(B) Object collector

(C) Class collector

(D) Garbage collector

81) Who developed SSL protocol?

(A) Google   (B) Netscape

(C) Yahoo   (D) Firefox

82) Which of the following is not a part of CSS syntax?

(A) Selector

(B) Property

(C) Value

(D) Event

83) In Java, which method of Scanner class returns true of there is a token in input?

(A) String next ( )

(B) boolean hasNext ( )

(C) int nextInt ( )

(D) String nextLine ( )

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

(A) Single, Multi, Viewer

(B) Singular, Multiple

(C) View, Preview

(D) Server, client

85) Who developed Amaya free open source WYSIWYG web editor?

(A) www

(B) Netscape

(C) Microsoft

(D) W3C

86) In HTML, which of the following is used to collect different kinds of inputs from the user?

(A) Frame

(B) Label

(C) Form

(D) CSS

87) Which of the following open source WYSIWYG HTML editor supports languages like English, Dutch, German etc.?

(A) Aptana Studio

(B) KompoZer

(C) BlueGriffon

(D) Amaya

88) Which of the following is a feature of E-commerce?

(A) Operates within a certain period of time or during business hours

(B) No sharing of information with competitors

(C) Location renting or purchasing

(D) Advertising of the product is done electronically

89) In HTML, which of the following element allows multi-line text input?

(A) <Textdata>   (B) <Input>

(C) <Selection>   (D) <Textarea>

90) In Java, which keyword is used to explicitly throw an exception object?

(A) try   (B) catch

(C) finally   (D) throw

91) In LaTeX, which of the following operation is used for superscript?

(A) --   (B) <

(C) >   (D) ∧

92) In Java, which keyword is used to create the object by allocating memory?

(A) super   (B) new

(C) class   (D) var

93) Which of the following protocol is used to transfer the web pages from user computer to the web host?

(A) FTP   (B) SMTP

(C) HTP   (D) HTPT

94) Which of the following allows specifying styles for the visual elements of the website?

(A) Form   (B) Animation

(C) Web host   (D) Cascading style sheets

95) In browser object model, elements of webpage like forms, images, links etc. are contained within which object?

(A) history   (B) document

(C) location   (D) buttons

96) In KompoZer, which menu-option is used to publish a website?

    (A) File→publish

    (B) Insert→Page→publish

    (C) Format→publish

    (D) View→publish

97) Which of the following is a limitation of E-commerce?

    (A) Lower cost

    (B) Team work

    (C) Security

    (D) Speed

98) Which of the following toolbar is not available in KompoZer?

    (A) Preview Toolbar

    (B) Format Toolbar 1

    (C) Format Toolbar 2

    (D) Composition Toolbar

99) Which of the following is a free software environment for statistical computing?

    (A) Mathematica

    (B) Matlab

    (C) 'R' software

    (D) MS Excel

100) The data hierarchy occurs in which of the following order from the smallest to largest piece of data?

    (A) file : character : field : record

    (B) file : character : record : field

    (C) character : field : file : record

    (D) character : field : record : file

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