પ્રશ્ન પેપરનો સેટ નંબર જેની સામેનું વર્તુળ OMR શીટમાં ધટ્ટ કરવાનું રહે છે.
Set No. of Question Paper, circle against which is to be darken in OMR sheet.

10

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

Instructions:

1) There are 100 questions in this question paper. All questions are compulsory.
2) Select proper option to make statement correct.
3) The OMR sheet is given for answering the questions. The answer of each question is represented by (A) O, (B) O, (C) O, (D) O. Darken the circle ● of the correct answer with ball-pen.
4) Each question carries 1 mark.
5) Rough work is to be done on the space provided for this purpose in the Test Booklet only.
6) Read the questions carefully before your answer.
7) Set No. of Question Paper printed on the upper-most right side of the Question Paper is to be written in the column provided in the OMR sheet.

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1) From all the Java literals, which literals are to be typed without quotes. They represent values, not variables.

    (A) Character   (B) String

    (C) Numeric   (D) Boolean

2) In Java, when $x = 6$ and $y = -4$, then the result of $x \% y$ is _____.

    (A) 1   (B) 2

    (C) -1   (D) -2

(Space for Rough Work)

3) The conditional operator in Java is a ternary operator using three operands. The symbol of it's _____.

   (A) ? and :   (B) : and ?

   (C) ? and :   (D) ; and ?

4) Among the following operators which operator having the associativity from Right-to-Left?

   (A) Relational Operators   (B) Equality and Inequality

   (C) Unary Operations   (D) Logical Operators

5) for (exp1 ; exp2 ; exp3)
            {statements}

   in the above syntax of for looping in Java, _____ shows iterator.

   (A) exp1   (B) exp2

   (C) exp3   (D) statements

6) Which of the following is the syntax of CSS?

   (A) select{property:value}   (B) selector{property:value}

   (C) selector{value:property}   (D) selection{property:value}

7) Which of the following is an HTML element on which style can be applied?

   (A) declaration   (B) script

   (C) selector   (D) declare

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

   (A) semicolon   (B) curly bracket

   (C) square bracket   (D) round bracket

(Space for Rough Work)

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9) Which of the following is a reusable block of code that performs a particular task in Java?

    (A) Array   (B) Program

    (C) Code   (D) Function

10) Which of the following is the top level object in the Browser Object Model (BOM)?

    (A) Window   (B) Page

    (C) Document   (D) Location

11) Which of the following is a container for storing data in Java?

    (A) Variable   (B) Event

    (C) Integer   (D) Event handler

12) if $(x == null)$

```
{
        alert ("please enter your name");
        document.js1.name.focus();
        return false;
}
```

What is 'alert' in the above JavaScript code?

    (A) built-in function   (B) method

    (C) object   (D) conditional statement

13) It is preferred that the JavaScript code be placed in the _____ tag.

    (A) <title>   (B) <head>

    (C) <html>   (D) <body>

(Space for Rough Work)

14) To make sure (confirm) that KompoZer uses CSS by default, we have to click (select) _____ option.
   (A) Insert → Tools
   (B) Tools → Preferences
   (C) View → Tools
   (D) Format → Tools

15) _____ is used in web pages to improve the design and validate the forms.
   (A) JavaScript
   (B) CSS
   (C) HTML
   (D) HTTP

16) Selling the products through _____ is the fastest growing method of trading World Wide. (choose option as per textbook)
   (A) Mobile
   (B) Television
   (C) Website
   (D) Shop

17) Which of the following is a feature of traditional commerce?
   (A) Operates within a certain period of time or business hours
   (B) E-Payment systems are used for receiving payment
   (C) Advertising of the product is done on internet
   (D) Customers can browse through products and offers

18) Which of the following E-commerce business model refers to business and organizations that sell products or services to consumers over the internet using websites?
   (A) B2C
   (B) C2B
   (C) B2B
   (D) G2B

19) Which of the following is a good example of C2C model?
   (A) E-newspaper
   (B) Online Purchasing
   (C) Information Services
   (D) Auction sites

(Space for Rough Work)

20) Which of the following E-commerce business model refers to online non-commercial communication between the Government agencies, organisations & departments with other Government agencies, organizations & departments?

(A) B2B

(B) G2G

(C) C2B

(D) C2C

21) The objective of _____ business model is to provide good and effective services to individual citizen.

(A) G2B

(B) C2B

(C) G2G

(D) G2C

22) Once the ticket is booked through the website of Indian railways, the E-copy of the ticket is send on customer's _____ as well as sent as an SMS on his/her mobile.

(A) Home Address

(B) Office Address

(C) E-mail Address

(D) School Address

23) Which of the following is a limitation of M-commerce given in the textbook?

(A) Provides global reach

(B) Conduct business 24*7

(C) It offers a limited bandwidth

(D) Reduces transaction cost

24) Three satellites around the earth generate GPS signals, create an intersecting point (triangulation) that locates the device within _____ meters.

(A) 1000

(B) 400

(C) 200

(D) 500

25) SSL protocol is used for securing web transactions on the internet was developed by which company?

(A) Yahoo

(B) Netscape

(C) Google

(D) Intel

(Space for Rough Work)

26) According to Bank Terminology what is the full form of ATM?
   (A)   Any Time Money
   (B)   Automatic Token Money
   (C)   All Time Money
   (D)   Automatic Teller Machines

27) With a _____ we can assure the business organizations, online services and friends that the electronic information they receive from us are authentic.
   (A)   Final Certificate   (B)   First Certificate
   (C)   Digital Certificate   (D)   Ultimate Certificate

28) Issuing threat using online medium that may provoke an individual to hurt themselves or others is an example of which of the following?
   (A)   Phishing   (B)   Spam
   (C)   Cyber Bullying   (D)   Cyber Grooming

29) Which of the following defines attributes and methods?
   (A)   Class   (B)   Instance
   (C)   Object   (D)   Variable

30) Which of the following operator creates an object and returns its reference?
   (A)   dot   (B)   colon
   (C)   new   (D)   assignment

31) Which of the following is the keyword used to refer a superclass constructor in subclass constructor?
   (A)   name of the superclass   (B)   new
   (C)   extends   (D)   super

(Space for Rough Work)

32) Which of the following is used to invoke an instance method in Java?

    (A)   The name of the object, colon, the name of the method

    (B)   The name of the class, colon, the name of the method

    (C)   The name of the object, dot, the name of the method

    (D)   The name of the class, dot, the name of the method

33) Which of the following keyword is used to declare class variables and class methods?

    (A) Static   (B) Public

    (C) Private   (D) Package

34) _____ component of Java is defined by methods in a class.

    (A) Attribute   (B) Behaviour

    (C) Variable   (D) Object

35) Variables in a class are classified in how many types?

    (A) 4   (B) 3

    (C) 5   (D) 8

36) In Java _____ is a special kind of method that is invoked when a new object is created.

    (A) Constructor   (B) Class

    (C) Variable   (D) Object

37) The Four P's of protection, when no modifier is used, it is the default one having visibility only within a _____ that contains the class.

    (A) Public   (B) Private

    (C) Package   (D) Protected

38) In OOP language _____ allows us to build new class with added capabilities by extending existing class.

    (A) Aggregation   (B) Abstraction

    (C) Composition   (D) Inheritance

(Space for Rough Work)

39) In Java. 2-D array declared with the following syntax.

int marks [ ] [ ]

In the above syntax what indicates the first square bracket?

(A) Column

(B) Row

(C) Data type

(D) Array name

40) What does 'length' refer to for an object of string class?

(A) attribute

(B) class variable

(C) method

(D) class name

41) Index value of an array starts with _____.

(A) one

(B) character

(C) negative one

(D) zero

42) To search an element in an array, Arrays class provides _____ method.

(A) linearSearch()

(B) IndexSearch()

(C) ArraySearch()

(D) binarySearch()

43) In an array _____ is used to represent two dimensional (2-D) data structure like table of rows and columns.

(A) matrix

(B) 1-array

(C) table

(D) vector

44) int marks[ ] = {90, 80, 70, 65, 60};

What is the value of an index of the array variable 'marks'?

(A) 90 to 60

(B) 0 to 4

(C) 1 to 5

(D) 60 to 90

(Space for Rough Work)

45) To use variables that can store strings, Java supports _____ types of strings.

(A) 2   (B) 3

(C) 4   (D) 5

46) In Java, _____ method is used to convert string into lowercase.

(A) String ConvertSmall()   (B) String toSmallCase()

(C) String ConvertLower()   (D) String toLowerCase()

47) Java library provides Date class in _____ package.

(A) java.lib.date()   (B) java.date()

(C) java.util   (D) java.io.class()

48) Which constant of calendar class in Java is used to show the day of calendar month in constant form?

(A) DATE   (B) MONTH

(C) DAY   (D) DAY_OF_YEAR

49) int a = 50/0 ;

in the above example of to divide a number by zero, which exception class is generated?

(A) NumberFormatException   (B) FileNotFoundException

(C) NullPointerException   (D) ArithmeticException

50) According to Java program, Errors can be broadly classified into _____ categories.

(A) Four   (B) Three

(C) Six   (D) Two

(Space for Rough Work)

51) Which of the following block handles or takes appropriate action when an Exception occurs?

    (A) try   (B) throws

    (C) catch   (D) handles

52) In Java, the _____ block is generally used to clean up at the end of executing a try block.

    (A) try   (B) finally

    (C) catch   (D) try....catch

53) Which keywords are used by Java to write can exception handler?

    (A) try   (B) catch

    (C) finally   (D) all of these

54) In any programming language _____ is used to convert source code into object code.

    (A) Editor   (B) Program

    (C) Compiler   (D) Processor

55) \documentclass [12pt]{article};
In the above command, what is documentclass?

    (A) class   (B) name of the command

    (C) compulsory argument   (D) optional argument

56) What is the full form of CTAN?

    (A) Comprehensive TeX Archive Network

    (B) Collection Tax Automative Network

    (C) Continuous Text Advanced Network

    (D) Comprehensive Total Active Network

(Space for Rough Work)

57) In LaTeX to use one or more packages in our document, we need to declare \usepackage{package_name} command in _____.

   (A) Environment   (B) Nested Environment

   (C) Preamble   (D) Equation

58) In LaTeX after the success of compilation to view the file in document viewer we have to select menu option Tools → Go. Which is the shortcut key?

   (A) F3   (B) F7

   (C) F9   (D) F5

59) To use _____ fonts in LaTeX we have to give \texttt{text} command.

   (A) Roman   (B) monospace

   (C) Sans serif   (D) serif

60) Match the commands of LaTeX given in Section-A with the Mathematical symbols given in Section-B.

Section-A	Section-B
(1) \mp	(P) × (Cross Mark)
(2) \geq	(Q) ∓
(3) \cup	(R) ≥
(4) \times	(S) ∪

   (A) (1) → Q, (2) → R, (3) → S, (4) → P

   (B) (1) → R, (2) → Q, (3) → P, (4) → S

   (C) (1) → P, (2) → S, (3) → Q, (4) → R

   (D) (1) → S, (2) → P, (3) → R, (4) → Q

(Space for Rough Work)

61) In Linux systems the common practice is to combine the files into a single uncompressed file in the tar format and then compress the file in the zip format using _____ program.

   (A) zip

   (B) grar

   (C) unzip

   (D) gzip

62) What is the full form of VLC?

   (A) Video Local Cable

   (B) Video LAN Client

   (C) Video Line Cable

   (D) Video Long Client

63) From the given free tools _____ is available for Ubuntu 12.04 and later versions.

   (A) R

   (B) VLC Media Player

   (C) Character map

   (D) Rational Plan

64) From the below given free tools which software can be downloaded free of cost, though its source code is proprietary & not available for modification?

   (A) R

   (B) Skype

   (C) Google Map

   (D) Rational Plan

65) On a mobile phone, _____ facility is used to know the user's location with very high accuracy.

   (A) GPS

   (B) RAR

   (C) Satellite Button

   (D) TAR

66) When there is 'a-kind-of' relationship between two classes, it is called _____.

   (A) Composition

   (B) Polymorphism

   (C) Aggregation

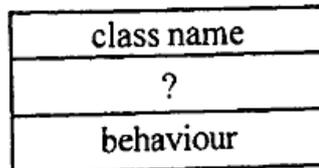   (D) Inheritance

(Space for Rough Work)

67) Write down the type of inheritance occurs in the below example of classes. Class 'Employee' can be derived from Class 'Person', then Class 'Teacher' can be derived from 'Employee'.

(A) Multilevel inheritance
(B) Multiple inheritance
(C) Multitasking inheritance
(D) Multiclass inheritance

68) _____ can be used to create models of object-oriented software to help with design of an application.

(A) URL
(B) UML
(C) UUL
(D) UBL

69) Which option is correct to replace the ? (Question mark) in the rectangular icon of class-diagram?

class name
?
behaviour

(A) return type
(B) attribute
(C) method
(D) operation

70) Data and the methods that manipulate data are protected against modification or misuse by other components of the program. This mechanism of give protection to data and methods of program is called _____.

(A) Abstraction
(B) Polymorphism
(C) Encapsulation
(D) Composition

71) _____ is a concept that hides the complexity ; it says what it does, but not how it is done.

(A) Abstraction
(B) Encapsulation
(C) Composition
(D) Polymorphism

(Space for Rough Work)

72) In object-oriented terminology, a call to a method is referred to as a _____.

    (A) array   (B) message

    (C) function   (D) process

73) Object-Oriented Programming (OOP) allows defining more than one method having same name but different signatures in a single class. This feature is known as _____.

    (A) Operator Overloading   (B) Variable Overloading

    (C) Object Overloading   (D) Function Overloading

74) Give the shortcut key to close the site-manager pane in the KompoZer Interface.

    (A) F5   (B) F3

    (C) F9   (D) F10

75) In KompoZer Interface, the left side of the _____ shows design, split and source tabs.

    (A) Status bar   (B) Toolbar

    (C) Site Manager   (D) Page Pane

76) In KompoZer when the HTML form is submitted, _____ attribute is used to specify where to send the data.

    (A) action   (B) input element

    (C) method   (D) type

77) _____ is used to insert various fields like radio button, text box and check box in HTML form.

    (A) select element   (B) form element

    (C) option element   (D) input element

(Space for Rough Work)

78) Which HTML element has to be written in place of the ? and ?? of the below given example of HTML form.

< ? >

        <option value ="Surat">Surat</option>

        <option value ="Rajkot">Rajkot</option>

<??>

(A)   <select> </select>   (B)   <form> </form>

(C)   <input> </input>   (D)   <Li> </Li>

79) What denotes the given values of the Text Area Properties dialogue box?
address, 5, 70

(A)   Rows, Columns, FieldName   (B)   FieldName, Columns, Rows

(C)   Columns, FieldName, Rows   (D)   FieldName, Rows, Columns

80) Which of the following attribute of form specifies the HTTP method to be used when sending the data? https://www.gujaratboardonline.com

(A)   submit   (B)   method

(C)   action   (D)   input

81) The option 'page colors and background' to change the color of the form made in KompoZer is found in _____ menu option.

(A)   Tools   (B)   View

(C)   Format   (D)   Insert

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

(A)   path   (B)   variable

(C)   delimiter   (D)   space

(Space for Rough Work)

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

   (A) file : character : field : record

   (B) character : field : file : record

   (C) file : character : record : field

   (D) character : field : record : file

84) While reading from a file, to identify that the file has ended. The program reads from input stream so java read() method returns _____ to identify the end of data in the stream.

   (A) 0 (zero)

   (B) -1 (negative one)

   (C) 1 (one)

   (D) null

85) The _____ class provides a method for reading password. When reading the password the user input will be hidden or not shown in the screen.

   (A) Console

   (B) Secret

   (C) Password

   (D) Scanner

86) How many types of streams supported by Java?

   (A) Four

   (B) Two

   (C) One

   (D) Three

87) From the given examples of extensions which shows the binary file extension?

   (A) .mp3

   (B) .java

   (C) .txt

   (D) .c

88) What is the full form of W3C?

   (A) World Wide Web Corporation

   (B) World Wide Web Consortium

   (C) World Web Work Corporation

   (D) World Working Web Corporation

(Space for Rough Work)

89) Which of the following is the first page that opens when the user enters the URL address in the address bar of the browser?

(A) Home Page   (B) Starting Page

(C) First Page   (D) Web Page

90) In KompoZer which option in Table tab of 'Table Properties' dialogue box shows row and column and height - width of table?

(A) Caption   (B) Table Alignment

(C) Size   (D) Borders and Spacing

91) Which option is used to insert an image in the table made with KompoZer?

(A) Insert → Image   (B) Edit → Image

(C) Insert → Table → Image   (D) Tools → Insert → Image

92) In website the defined function accepting data from cookie and converting the data into number by using _____ function.

(A) convertnum()   (B) Bytetonum()

(C) transdigit()   (D) parseFloat()

93) In KompoZer which menu contains the option to Publish the website?

(A) Format   (B) Tools

(C) File   (D) View

94) Ruby, PHP, Python and many other languages supported by the _____ powerful open source IDE for building web application.

(A) Amaya   (B) Aptana Studio

(C) BlueGriffon   (D) KompoZer

(Space for Rough Work)

95) Which of the following is a variable that is stored on the user's computer?

(A) Integer

(B) Cookie

(C) HTML

(D) Java

96) Which data type of Java having the default value of 'false'?

(A) Long

(B) Float

(C) Boolean

(D) Char

97) In Java a name used to refer to the data stored in memory is called a _____.

(A) Character

(B) Variable

(C) Keyword

(D) Password

98) Which of the following name is legal name in Java?

(A) % discount

(B) birth date

(C) 4 you

(D) $ price

99) In Java, there are _____ kinds of variables.

(A) 4

(B) 5

(C) 3

(D) 8

100) In Java, _____ symbol is used for the begin of single line comment.

(A) //

(B) #

(C) /*

(D) %

✗ ✗ ✗

(Space for Rough Work)

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