પ્રશ્ન પેપરનો સેટ નંબર જેની સામેનું વર્તુળ **OMR** શીટમાં ઘટ્ટ કરવાનું રહે છે.

Set No. of Question Paper, circle against which is to be darken in OMR sheet.

17

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.

1) Which of the following property keeps the data safe from unintended actions and inadvertent access by outside objects?
   (A) Inheritance
   (B) Composition
   (C) Polymorphism
   (D) Encapsulation

2) Which of the following is a program's capability of being moved easily from one computer system to another?
   (A) General purpose programming
   (B) In-built variable
   (C) Platform-independence
   (D) Modular

(Space for Rough Work)

3) In Java, which of the following statements enable to control the flow of execution?

    (A) Block of statements   (B) Control structures

    (C) Operators   (D) Associativity of operators

4) In Java, which logical operator results in complemented result?

    (A) XOR   (B) OR

    (C) AND   (D) NOT

5) In Java, what will be the value of y, where $y = 7 + ++x$ and $x = 3$?

    (A) 11   (B) 4

    (C) 10   (D) 3

6) In Java, which kind of comment begin with /* and ends with */?

    (A) Documentation comment   (B) Multi-line comment

    (C) Single-line comment   (D) Object-oriented comment

7) In Java, which of the following is a proper example of unicode literal?

    (A) \0457   (B) \0b123

    (C) \0xABC   (D) \u00E9

8) In Java, which of the following can take different data values at different times during the execution of programs?

    (A) Data types   (B) Operator

    (C) Variable   (D) Control structures

9) In Java, which of the following data type has range of values from -32768 to 32767?

    (A) int   (B) short

    (C) byte   (D) boolean

(Space for Rough Work)

10) In Java, which of the following file will not be created, if the program does not compile successfully?

    (A) .htm   (B) .java

    (C) .class   (D) .html

11) In Java, which of the following is a post-test loop construct where statements of loop are executed at least once?

    (A) do.....while   (B) while

    (C) for   (D) switch statement

12) Which of the following is used to provide a user-defined no-argument constructor in Java?

    (A) <objectname> [] ();   (B) <objectname> {} ();

    (C) <classname> {} [];   (D) <classname> () {};

13) In Java, which of the following is not a part of four P's of protection?

    (A) Public   (B) Private

    (C) Primary   (D) Package

14) In Java, which kind of variables are not initialized by default values?

    (A) Instance variables   (B) Local variables

    (C) Global variables   (D) Class variables

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

    (A) class   (B) super

    (C) new   (D) extends

(Space for Rough Work)

16) In Java, what is the name of the special portion of memory where the objects live?

    (A) Sub class   (B) Super class

    (C) Garbage collector   (D) Heap

17) In Java, in which kind of protection the methods and variables are directly accessible only by the methods defined within a class?

    (A) Protected   (B) Package

    (C) Public   (D) Private

18) In Java, which method is written when we want to allow private data to be modified by others?

    (A) Inherited   (B) Mutator

    (C) Accessor   (D) Aggregated

19) In Java, which kind of relationship is shared between two classes in Inheritance?

    (A) a-part-of   (B) has-a

    (C) is-a   (D) not-a

20) In Java, which keyword is used to define class variables and class methods?

    (A) static   (B) extends

    (C) new   (D) auto

21) In Java, in which step of object creation, keyword new is used to create the object by allocating memory?

    (A) Verification   (B) Declaration

    (C) Initialization   (D) Instantiation

(Space for Rough Work)

22) In Java, which of the following is a correct syntax to declare array?

(A) <data type> <class name> [];   (B) <array name> <data type> [];

(C) <data type> <array name> [];   (D) <data type> <object name>[];

23) In Java, which arguments are required when we want to sort partial array from element at index start to element at index (last-1)?

(A) array, start, last

(B) array, last, value

(C) array, start, last, value

(D) start, last, value

24) In Java, how many bytes of contiguous memory locations will be occupied by following array?

int marks [] [] = new int [4] [3];

(A) 7 bytes

(B) 60 bytes

(C) 12 bytes

(D) 48 bytes

25) In Java, which classes are used to handle two types of strings?

(A) StringArray and StringBuffer

(B) java.string and java.util

(C) String and StringBuffer

(D) java.io and java.string

26) In Java, which method of Date class returns number of milliseconds since January 1, 1970 GMT?

(A) String toString ()

(B) Date ()

(C) long getTime ()

(D) Date (long elapsed Time)

27) Which method of string class in Java returns an array of characters as bytes from invoking string?

(A) int length ()

(B) byte [] getBytes ()

(C) string concat (string str)

(D) char indexAt (int index)

(Space for Rough Work)

28) In Java, which Array class method is used to search an element in an array?

(A) binarySearch ()

(B) SearchString ()

(C) Search ()

(D) LinearSearch ()

29) In Java, which of the following method will assign value 5 to all elements of list array?

(A) fill (5, list)

(B) fill (list, 1, 6, 5)

(C) fill (list, 2, 6, 5)

(D) fill (list, 5)

30) In Java, which method of string class returns 0, >0, <0 integer if invoking string is equal to, greater than or less than str respectively?

(A) string toLowerCase ()

(B) boolean equals (string str)

(C) int compareTo (string str)

(D) string toUpperCase ()

31) In Java, which of the following constructor creates a string object that refers to the literal specified in argument?

(A) string (string literal)

(B) string (string strobj)

(C) string ()

(D) string (char ary [])

32) In Java, which of the following can be used in a method declaration or constructor declaration to inform that the code within the constructor or method may throw an exception?

(A) throw statement

(B) finally

(C) catch

(D) throws clause

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

(A) finally

(B) multiple catch

(C) catch

(D) throws

(Space for Rough Work)

34) In Java, which of the following is an object - oriented technique for managing errors?

   (A) Strings

   (C) Array

   (B) Exception handling

   (D) Operators

35) In Java, which kind of exception will occur when someone attempts to divide any number by 0?

   (A) NumberFormatException

   (B) FileNotFoundException

   (C) ArrayIndexOutOfBoundsException

   (D) ArithmeticException

36) In how many categories Java errors can be broadly classified?

   (A) Two

   (C) Four

   (B) Three

   (D) One

37) In Java, which of the following is the correct syntax of the try block?

   (A) try (Exception_ Type Exception _ Object)
   ```
   {
   // code to handle the exception
   }
   ```

   (B) try
   ```
   {
   // code to handle the exception
   }
   ```

   (C) try
   ```
   {
   // set of statements that may generate exception
   }
   ```

   (D) try
   ```
   {
   // clean-up code to be executed last
   }
   ```

(Space for Rough Work)

38) Which of the following is used as a separator between fields of a record?
   (A) variable
   (B) delimiter
   (C) path
   (D) data type

39) In Java, which method of scanner class returns true if there is a token in input?
   (A) boolean hasNext ()
   (B) float nextFloat ()
   (C) string next ()
   (D) string nextLine ()

40) In Java, 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) Text files
   (B) Binary files
   (C) File class
   (D) Stream

41) In Java, which method of File class returns the name of files and directories in a directory?
   (A) boolean exists ()
   (B) string getName ()
   (C) File [] listFiles ()
   (D) string [] list ()

42) In which kind of storage, values stored in variables are lost when a computer is shut down?
   (A) Non-volatile
   (B) Volatile
   (C) Permanent storage
   (D) Both (A) and (C)

43) In Java, which of the following is a subclass of InputStream and is generally used to read byte data from the files?
   (A) Console class
   (B) FileOutputStream
   (C) FileInputStream
   (D) Scanner class

44) In LaTeX, which document class is used for creating presentation slides?
   (A) beamer
   (B) slides
   (C) book
   (D) article

(Space for Rough Work)

45) Which command of LaTeX can produce the popular PDF format files?
  (A) latexpdf
  (B) evince pdffilename
  (C) pdflatex
  (D) \pdflatex

46) Which package of LaTeX has special features for including programming code within the document?
  (A) listings
  (B) easylist
  (C) geometry
  (D) setspace

47) In LaTeX, which of the following are numbered in Roman numerals?
  (A) subsections
  (B) sections
  (C) chapters
  (D) parts

48) In LaTeX, which symbol is subscript operator?
  (A) $ (dollar)
  (B) ^ (caret)
  (C) _ (underscore)
  (D) ~ (tilde)

49) Which of the following begins with \begin {name} and ends with \end {name}?
  (A) environment
  (B) section
  (C) group
  (D) preamble

50) Which of the following symbol is the comment marker in R software?
  (A) /*...*/
  (B) %
  (C) #
  (D) //

51) In VLC media player, which menu option is used to open playlist?
  (A) View→Playlist
  (B) Open → Media → Playlist
  (C) Open → Playlist
  (D) Media→ Playlist

(Space for Rough Work)

52) Which of the following is the most common archive format on Linux systems?

(A) .html

(B) zip

(C) .java

(D) TAR

53) Which command of R software is used for accessing the online help?

(A) help.start ()

(B) help ()

(C) q ()

(D) ls ()

54) Which product of rational plan is an additional tool developed to share the project in its original file format?

(A) Rational plan viewer

(B) Rational plan multi

(C) Rational plan single

(D) Skype

55) Which of the following is a complete web authoring system which integrates web page development and web file management?

(A) CSS

(B) KompoZer

(C) HTML

(D) JavaScript

56) Which attribute of Input element specifies the field that is to be created in the form?

(A) Textarea

(B) Value

(C) Name

(D) Type

57) Which attribute of form element is used to specify where to send the form data when the form is submitted?

(A) Action

(B) Method

(C) Name

(D) Dropdown Menu

(Space for Rough Work)

58) Which of the following is a software application, which provides complete facilities to programmer to develop software?

(A) HTML

(B) CSS

(C) IDE

(D) JavaScript

59) Which HTTP method retrieves the data from the form and sends it to the server by attaching it at the end of the URL?

(A) Submit

(B) GET

(C) POST

(D) Reset

60) In KompoZer, which view helps those who are familiar with HTML and shows yellow marker to indicate the start tag for all elements?

(A) HTML Tags view

(B) Normal view

(C) Preview

(D) Outline view

61) Which menu option of KompoZer is used to give a background color to the form?

(A) Format → Page Background color

(B) File → Page Background

(C) Format → Page colors and Background

(D) Edit → Change Background color

62) In KompoZer, which dialog box will be opened when we click on File → Save?

(A) File Save As

(B) Save As

(C) Page Save As

(D) Page Title

(Space for Rough Work)

63) In Browser Object Model (BOM), which object is used to represent the web page displayed in the browser?
(A) Location
(B) Parent
(C) Window
(D) Document

64) What will be the output of the function 'isNaN (20223)'?
(A) False
(B) Error
(C) True
(D) No output

65) In which tab of CSS stylesheet dialog box, the various options like Font family, Font size, Line height, color etc. are available?
(A) Lists
(B) General
(C) Text
(D) Background

66) In CSS syntax, which part consists of a property associated with the HTML element used in selector and its corresponding value?
(A) Font type
(B) Declaration
(C) Selector
(D) Font color

67) Which of the following is useful in creating interactive web pages which responds to the action performed by the user?
(A) HTML
(B) JavaScript
(C) CSS
(D) Variable

68) In JavaScript, which event would occur when element such as a radio button becomes inactive?
(A) Focus
(B) Change
(C) Abort
(D) Blur

(Space for Rough Work)

69) Which of the following is a reusable block of code that performs a particular task?

(A) Function

(B) Event handler

(C) Event

(D) If condition

70) In JavaScript, which symbol is used as a mark of separation rather than termination?

(A) , (Comma)

(B) : (Colon)

(C) ; (Semicolon)

(D) - (Hyphen)

71) In CSS stylesheet dialog box, which options are available in 'Borders' tab?

(A) General, Text, Background

(B) Font family, Font size, Color

(C) Color, Opacity, Image

(D) Style, Width, Color

72) In JavaScript, which is the conditional statement which is used to change the flow of the program?

(A) If statement

(B) focus ()

(C) alert ()

(D) return

73) In KompoZer, in Image Properties dialog box which of the following tab is not available?

(A) Dimensions

(B) Cells

(C) Location

(D) Link

74) Which kind of website content provides users with the detailed information on the site like product and services description?

(A) Detailed

(B) Specific

(C) Short

(D) General

(Space for Rough Work)

75) Which of the following open source IDE comes along with a large number of additional plugins?

(A) BlueGriffon
(B) Amaya
(C) NetBeans
(D) Aptana Studio

76) In Publish Page dialog box in KompoZer, in which field the name of the website should be entered?

(A) Publishing Server
(B) Website Information
(C) Site Name
(D) User name

77) In KompoZer, while creating a website which menu option is used to give a suitable color to the text?

(A) Edit → Format color
(B) File → Change Text color
(C) Format → Text color
(D) Edit → Change Text color

78) In KompoZer, in which tab of Image Properties dialog box custom size of Image can be specified?

(A) Appearance
(B) Dimensions
(C) Location
(D) Link

79) Which of the following WYSIWYG HTML editor, is an intuitive application that provides web developers with a simple user interface which allows them to create attractive websites without requiring in depth technical knowledge about web standards?

(A) BlueGriffon
(B) Aptana Studio
(C) Amaya
(D) KompoZer

(Space for Rough Work)

80) In KompoZer, which of the following menu option is used to create link?

  (A) Link → Insert

  (B) Edit → Insert link

  (C) Format → Insert → Link

  (D) Insert → Link

81) Which kind of E-commerce services have become increasingly important due to the huge technological changes taken place in the last decade?

  (A) Online billing

  (B) Support services

  (C) Information services

  (D) Marketing and selling

82) Which of the following can create a whole world of global village from where anyone can buy anything, any time and from anywhere?

  (A) Traditional commerce

  (B) E-Newspaper

  (C) E-Commerce

  (D) L-Commerce

83) Which is the process of buying and selling products or services by offering the customers to bid the price and selling the product to the highest bidder?

  (A) Auction

  (B) Marketing and selling

  (C) Support services

  (D) E-Newspaper

84) In which type of E-commerce, consumers have a choice of a wide range of products and services along with the opportunity to specify the range of the prices that they are willing to pay for a particular product of service?

  (A) B2C

  (B) C2B

  (C) C2C

  (D) B2B

(Space for Rough Work)

85) Which of the following is an example of B2B business model website?

(A) GSWAN

(B) Ebay.com

(C) JeetLe.in

(D) Commodity.com

86) Which of the following business model has gained a high popularity amongst consumers due to simplified and fast way to buy products?

(A) G2C

(B) C2B

(C) B2C

(D) C2C

87) Which of the following business model provide good and effective services to individual citizen?

(A) G2C

(B) G2G

(C) G2B

(D) B2C

88) Which of the following is an advantage of M-Commerce?

(A) Provides global reach

(B) User interface is less convenient

(C) It offers a limited bandwidth

(D) High cost of establishing infrastructure

89) Which of the following source is the most accurate in determining a mobile device's position?

(A) Cellular

(B) GPS

(C) Wi-Fi sources

(D) Laptop

90) Which of the following security aspect of M-Commerce ensures that the information must not be accidentally or maliciously altered or tampered in transit?

(A) Non-repudiation

(B) Authorization

(C) Integrity

(D) Confidentiality

(Space for Rough Work)

91) Which of the following is an electronic card for making secure online payments towards a merchant?
   (A) Digital watermarking
   (B) Electronic Fund Transfer
   (C) Net banking
   (D) E-wallet

92) Which of the following is a form of virtual harassment?
   (A) Cyber Grooming
   (B) Cyber bullying
   (C) Social Engineering
   (D) Malware

93) Which of the following term refers to unsolicited e-mails that may be of commercial or non-commercial nature?
   (A) Spam
   (B) Phishing
   (C) Malware
   (D) Grooming

94) In OOP, which of the following describes a group of objects with similar attributes and common behavior?
   (A) Attributes
   (B) Data members
   (C) Object
   (D) Class

95) What is the full form of OMG?
   (A) Omega Modelling Group
   (B) Object Modelling Group
   (C) Object Management Group
   (D) Old Management Group

96) Which of the following property of OOP language, is a process of representing the essential features of the objects without including implementation detail?
   (A) Data Abstraction
   (B) Messaging
   (C) Encapsulation
   (D) Aggregation

(Space for Rough Work)

97) In which of the following, the class that forms part of the owner class can exist independently?

(A) Inheritance

(B) Aggregation

(C) Composition

(D) Polymorphism

98) In which kind of inheritance, a class can be derived using more than one parent classes?

(A) Two-way Inheritance

(B) Multilevel Inheritance

(C) Multiple Inheritance

(D) Multiway Inheritance

99) In object-oriented programming, which feature allows defining more than one method having same name but different signature in a single class?

(A) Aggregation

(B) Function overloading

(C) Operator overloading

(D) Composition

100) In which kind of programming, the focus is on writing functions or procedures which operate on data?

(A) Procedural programming

(B) Pre-oriented programming

(C) Object-oriented programming

(D) Post-oriented programming

✿ ✿ ✿

(Space for Rough Work)