

This Question Paper contains 20 printed pages.

Sl.No.

331 (E)
(MARCH - 2019)
SCIENCE STREAM
(CLASS - XII)

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

09

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 the 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 is known as a user-defined no-argument constructor?
(A) `<classname> () { };` (B) `<classname> () [];`
(C) `<classname> { } [];` (D) `<classname> [] ();`
- 2) If we want Private data to be used by other, then which method is used?
(A) access (B) excess
(C) accessor (D) mutator

(Space for Rough Work)

- 3) Which of the following prefix is utilize for conventionally naming of mutator method?
- (A) set (B) get
(C) wait (D) take
- 4) Instance variable and Instance methods are accessed via objects. They can be referred by which of the following operator?
- (A) (,) comma (B) (•) dot
(C) (") quotes (D) (;) semicolon
- 5) Which of the following variable defined within a class but outside any method?
- (A) instance variable (B) local variable
(C) class variable (D) room variable
- 6) Which of the following variable defined inside methods or blocks?
- (A) instance variable (B) local variable
(C) class variable (D) room variable
- 7) Which of the following is a special kind of method that is invoked when a new object is created?
- (A) Consider (B) Constructor
(C) Conformation (D) Console

(Space for Rough Work)

- 8) Which of the following are useful to represent vector, matrix and other multi-dimensional data?
- (A) Variable (B) Element
(C) Array (D) Tag
- 9) Which of the following refer to the starting index value in arrays?
- (A) 0 (B) 1
(C) null (D) All of these
- 10) If 'int marks [] = {1, 2, 3, 4, 5};' is defined in Java then what will be the value of marks [3]?
- (A) 3 (B) 2
(C) 4 (D) 5
- 11) Which of the following constructor is used for without arguments create a string object with no character?
- (A) String [] (B) String ()
(C) String { } (D) String (]
- 12) Which of the following string class method returns true if invoking string is same as str?
- (A) boolean equals (string str) (B) Boolean eq (string str)
(C) boolean Equal (string str) (D) boolean Eq (string str)

(Space for Rough Work)

- 13) Which of the following string class method returns number of characters in invoking string?
- (A) int LENGTH()
 - (B) Int Length()
 - (C) int length()
 - (D) Float int length()
- 14) Which of the following Date class method constructs Date object using current system time?
- (A) Date (cur ())
 - (B) Date [date ()]
 - (C) Date (long ())
 - (D) Date ()
- 15) Date & Calendar class is provided in which of the following package?
- (A) java. util
 - (B) java. dc
 - (C) java. class
 - (D) java. dateclass
- 16) Which of the following constant is defined in calendar class for year of calendar?
- (A) YYYY
 - (B) YRS
 - (C) YY
 - (D) YEAR
- 17) What is the size of second dimension in an array gseb [5] [3]?
- (A) 3
 - (B) 5
 - (C) 15
 - (D) 18
- 18) Errors can be broadly classified into how many categories?
- (A) 2
 - (B) 6
 - (C) 5
 - (D) 3

(Space for Rough Work)

- 19) Which of the following is not created when we get compilation error?
- (A) .html (B) .sci
(C) .class (D) .java
- 20) Which of the following exception class is invoke when there was an attempt to divide any number by zero?
- (A) ArithmeticIndex (B) Arithmeticdivide
(C) ExceptionArithmetic (D) ArithmeticException
- 21) Which of the following block may give rise to one or more exceptions?
- (A) finally (B) catch
(C) try (D) allow
- 22) Which of the following block must immediately follow try block?
- (A) final (B) catch
(C) tri (D) excep
- 23) Which of the following block is generally used to clean up at the end of executing a try block?
- (A) final (B) catch
(C) finally (D) excep
- 24) Which of the following is a temporary storage?
- (A) Non volatile storage (B) Volatile storage
(C) Volate storage (D) Valid storage

(Space for Rough Work)

- 25) Which of the following class encapsulates information about the properties of a file or a directory?
- (A) java.io.FD (B) java.io.FileDir
(C) java.io.File (D) java.io.Director
- 26) Which of the following file class method returns true if the file exists, otherwise return false?
- (A) boolean isFile () (B) boolean exists ()
(C) boolean getFile () (D) boolean srcFile ()
- 27) Scanner class belongs to which of the following package?
- (A) java.pack (B) java.scan
(C) java.ioFile (D) java.util
- 28) Which of the following scanner class method scans the next token of the input as line?
- (A) String next() (B) String close()
(C) String nextLine() (D) Void close()
- 29) Which of the following class provides a method for reading password?
- (A) File class (B) Write class
(C) Console class (D) Password class
- 30) Which of the following extension is given to latex file?
- (A) .tex (B) .ltx
(C) .lat (D) .tte

(Space for Rough Work)

- 31) Which of the following character is used to start Latex command followed by the command name?
- (A) / (front slash) (B) % (percentage)
(C) \ (back slash) (D) # (hash)
- 32) Latex divides font families into how many categories?
- (A) 2 (B) 4
(C) 3 (D) 6
- 33) Which of the following character is denote a non-breaking space in Latex?
- (A) # (hash) (B) % (Percentage)
(C) \ (back slash) (D) ~ (tilde)
- 34) Which of the following command is used to print mathematical symbol ' \neq ' in Latex?
- (A) `\eqn` (B) `\eq`
(C) `\mp` (D) `\neq`
- 35) Which of the following command is used to print mathematical symbol ' \pm ' in Latex?
- (A) `\mp` (B) `\pm`
(C) `\eq` (D) `\pv`
- 36) Which of the following two work environment R software has?
- (A) Commandline, Report line
(B) Commandline, Resource line
(C) Commandline, Result line
(D) Commandline, Graphical

(Space for Rough Work)

- 37) R software uses which of the following symbol for comment marker?
(A) \ (two back slash) (B) // (two front slash)
(C) # (hash) (D) % (percentage)
- 38) Which of the following function displays a list of all the variables in R software?
(A) list () (B) ls ()
(C) lv () (D) var ()
- 39) Which technology gives our location with accuracy?
(A) GPRS (B) GRS
(C) GRPS (D) GPS
- 40) Which command is used to quit from R software?
(A) q () (B) quit ()
(C) exit () (D) close ()
- 41) Which of the following element is used to create a drop down list or menu in a form?
(A) Input (B) Select
(C) Drop (D) Area
- 42) Which of the following menu is used in Kompozer to create selection list?
(A) File → Selection list (B) Edit → Selection list
(C) Form → Selection list (D) Format → Selection list

(Space for Rough Work)

- 43) Which of the following Dialog box is Viewed when user click save button first time in Kompozer?
- (A) Save all (B) Save as
(C) Close all (D) Page title
- 44) Which of the following colored outline is inserted by Kompozer after defining form?
- (A) Light Blue (B) Light Red
(C) Light Yellow (D) Light Green
- 45) Which of the following settings are Viewed when user defines form in form properties dialog box?
- (A) Form name, Anchore name, methods
(B) Force name, Method URL, method name
(C) File name, Action URL, method
(D) Form name, Action URL, method
- 46) Which of the following icon comes in composition toolbar at Kompozer?
- (A) Font (B) Open
(C) Bullet (D) Bold
- 47) Which of the following method sends the data as a block through the HTTP transaction?
- (A) SET (B) GET
(C) PUT (D) POST
- 48) Which of the following setting is associated with Textarea properties dialog box in Kompozer?
- (A) Rows, Cell (B) Columns, Cell
(C) Rows, Columns (D) Space, Cell

(Space for Rough Work)

- 49) Which of the following is a selector in a given example of CSS Syntax?
B{color : red}
- (A) Color (B) B
(C) Red (D) { }
- 50) How many tabs are viewed in CSS dialog box when you create style rule for h₁ element?
- (A) 8 (B) 7
(C) 9 (D) 10
- 51) Which of the following is the default tab viewed in CSS when user create style rule for h₁ element?
- (A) General (B) Text
(C) Number (D) Real
- 52) Which of the following are two main parts of CSS rule?
- (A) Select, declaration (B) Selector, declaration
(C) Select, declare (D) Selection, declaration
- 53) Which of the following symbol signifies the start and end at a Javascript block?
- (A) Curly bracket (B) Semicolon
(C) Square bracket (D) Round bracket
- 54) Which of the following is a container for storing data in Javascript?
- (A) Integer (B) Variable
(C) Event (D) Event handler

(Space for Rough Work)

- 55) Which of the following event is used in javascript for form fields to reset default values?
(A) change (B) abort
(C) reset (D) load
- 56) What will be form name in Kompozer if variable x is defined in following way in javascript?
Var $x = \text{document.oct.month.value}$;
(A) value (B) document
(C) month (D) oct
- 57) Which of the following is inbuilt function provided by Javascript?
(A) valiform () (B) hello ()
(C) alert () (D) validate forms ()
- 58) Which of the following is a reusable block of code that performs a particular task?
(A) Code (B) Array
(C) Program (D) Function
- 59) Which of the following is a collection of interlinked webpages?
(A) Form (B) Webpage
(C) Kompozer (D) Website
- 60) Which of the following function is used to convert the data into number in Javascript.
(A) ParseFLOATS () (B) ConveFloats ()
(C) ConvertFloats () (D) ParseFloat ()

(Space for Rough Work)

- 61) Which of the following is a variable that is stored on the user's computer?
(A) HTML (B) Integer
(C) Cookie (D) Java
- 62) Which of the following in table is used to specify gap between cells?
(A) Spacing (B) Caption
(C) Border (D) Padding
- 63) Which of the following is to used to show height & width of the table in Table properties dialog box in Kompozer?
(A) Pixel or count of the window (B) Pixel or % of the window
(C) Pixel or count of the cell (D) Pixel or percentile of the cell
- 64) Which of the following tabs are viewed when user insert table in Kompozer?
(A) Quickly, Precisely, Cell (B) Quickly, Private, Cell
(C) Quickly, Pure, Cell (D) Quickly, Perfect, Cell
- 65) Which of the following is another free open source WYSIWYG web editor developed by the World Wide Web Consortium (W3C)?
(A) Grif Blue (B) Aptana Grif
(C) Amaya (D) Blue Grif
- 66) Which of the following means we can transfer the webpages from our computer to the webhost?
(A) CTW (B) ATP
(C) FTP (D) HTP

(Space for Rough Work)

- 67) Which of the following is the process of conducting the banking transactions over the internet?
(A) Chat Banking (B) Group Banking
(C) Whatsapp Banking (D) Online Banking
- 68) Which of the following factors are playing role for growth of E-commerce in India.
(A) Decrease in use of mobiles devices
(B) Broadband and 3G, 4G Services
(C) Use of traditional Shopping
(D) Unavailability of much wider product range
- 69) Which of the following is Advantage of E-commerce?
(A) Resistance to change (B) Speed
(C) Lack of trust (D) Credit card frauds
- 70) Which of the following is newspaper that exists on the internet in digital form?
(A) WWW-newspaper (B) I-newspaper
(C) Internet-newspaper (D) E-newspaper
- 71) Which of the following e-commerce business model is also a port of E-governance?
(A) B2B (B) C2C
(C) G2C (D) C2B
- 72) Which of the following are example of C2B websites?
(A) commodity.com (B) tradeindia.com
(C) OLX.com (D) bidstall.com

(Space for Rough Work)

- 73) Which of the following refers to E-commerce activities between different business partners?
- (A) B2G (B) B2B
(C) C2C (D) B2C
- 74) Which of the following provides the user with the advantage of flexibility and ubiquity?
- (A) F-Commerce (B) M-Commerce
(C) U-Commerce (D) FUb-Commerce
- 75) Which of the following is the symbol for trademark?
- (A) TM (B) SM
(C) MS (D) TS
- 76) Which of the following is a protocol used for securing web transaction on the Internet?
- (A) HTTP (B) TCP/IP
(C) Bluetooth (D) SSL
- 77) Which of the following is the transformation of encrypted text back into normal text?
- (A) Digital Certificate (B) Firewall
(C) Decryption (D) Virus
- 78) National Payment Corporation of India has launched which of the following card in India?
- (A) Rupay Card (B) Aadhar Card
(C) Net Card (D) Election Card

(Space for Rough Work)

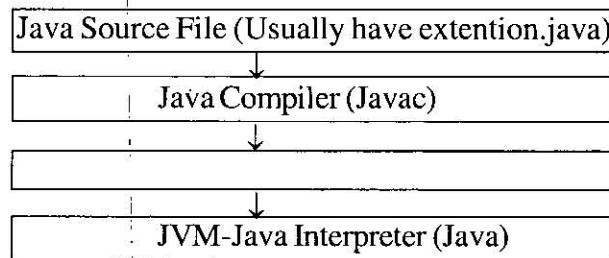
- 79) Which of the following card works just like a credit or a debit card?
(A) E-Wallet (B) Aadhar Card
(C) C-Wallet (D) Election Card
- 80) Object oriented programming allows defining more than one method having same name but different signatures in a single class is known as which of the following?
(A) Message (B) Method overloading
(C) Aggregation (D) Composition
- 81) Which of the following is known as objects of one class are composed of objects of other class?
(A) Message (B) Method overloading
(C) Aggregation or composition (D) Abstraction
- 82) Which of the following represent non-exclusive relationship between two classes?
(A) Composition (B) Comparison
(C) Aggregation (D) Abstraction
- 83) An Inheritance model refers to which of the following relationships?
(A) 'has-a' (B) 'is-a-kind-of'
(C) 'a-part-of' (D) 'of-a'
- 84) In class diagram, composition is represented using, which of the following symbols?
(A) Empty diamond symbol (B) Filled diamond symbol
(C) Empty triangle symbol (D) All of these

(Space for Rough Work)

- 85) Which of the following can be used to create models of object-oriented Software to help with design of an application?
- (A) Unified markup language (B) Unified modelling language
(C) Unified maseup language (D) Unified morphing language
- 86) Which of the following is not a visibility symbol?
- (A) * (star) (B) ~ (tilde)
(C) # (hash) (D) - (dash)
- 87) Which of the following is a concept that hides the complexity; it says what it does, but not how it is done?
- (A) Polymorphism (B) Message
(C) Abstraction (D) Data
- 88) Where Java language developed?
- (A) Apple systems (B) SON Microsystems
(C) Oracle systems (D) Sun Microsystems
- 89) What is the full form of JVM?
- (A) Java Vertical Machine (B) Java Virtual Machine
(C) Java Varity Machine (D) Java Visual Machine
- 90) Which of the following editor is used to create Java file in Ubuntu?
- (A) Calc (B) Writer
(C) Scite (D) Wordpad

(Space for Rough Work)

- 91) Which of the following is right when Java file is created?
- (A) Java source file & class name must be different
 (B) Java source file & class name must be same
 (C) Name must start with Number '2' only
 (D) Name must have symbol '\$' at the end
- 92) Which of the following is comment statement in Java?
- (A) `/#----#/` (B) `*----*\`
 (C) `/*----*/` (D) `/*----/*`
- 93) Which of the following command is given in JDK using Java interpreter?
- (A) Run Call Cost (B) Javarc Call Cost
 (C) Java Call Cost (D) JavaRun Call Cost
- 94) Which of the following is missing from compilation process to execute Java application.



- (A) Java Bitecode file (*.csc) (B) Java Bytecode file (*.class)
 (C) Java Bookcode file (*.cla) (D) Java Compilercode (*.javacr)

(Space for Rough Work)

- 95) How many basic (primitive) data types are supported in java?
(A) 4 (B) 2
(C) 8 (D) 16
- 96) Which of the following escape code is used for backspace in java?
(A) \t (B) \n
(C) \b (D) \k
- 97) Which of the following loop is exit controlled loop in java?
(A) do while (B) for
(C) for while (D) exit while
- 98) Which of the following is not a part of Four P's protection in Java?
(A) Package (B) Public
(C) Private (D) Provided
- 99) Which of the following is the highest level of protection in Java?
(A) Package (B) Public
(C) Private (D) Provided
- 100) Which of the following is the meaning of polymorphism?
(A) Post text (B) Post morphism
(C) Single form (D) Many forms



(Space for Rough Work)