

This Question Paper contains 20 printed pages.

Sl.No. 2000583

331 (E)

(FEBRUARY-MARCH, 2026)
(SCIENCE STREAM)
(CLASS - XII)

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

20

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. If more than one circle is darkened ● for one answer, the answer will be considered invalid.
- 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 unary operator is called as increment operator in Java?
(A) ## (B) \$\$
(C) ++ (D) --
- 2) Which of the following statement is used when there are many alternative actions to be taken depending upon the value of a variable or expression in Java?
(A) switch (B) while
(C) for (D) do...while

(Space for Rough Work)

- 3) Which of the following loop is exit - controlled loop in Java?
(A) for (B) do...while
(C) while (D) until
- 4) Which of the following statement is used to transfer the control outside switch or loop structure in Java?
(A) send (B) continue
(C) back (D) break
- 5) Which of the following defines attributes and methods in Java?
Ch-8
(A) Class (B) Instance
(C) Object (D) Variable
- 6) Which of the following operator creates an object and returns its reference in Java?
(A) dot (.) (B) colon (:)
(C) new (D) assignment (=)
- 7) Which method is invoked automatically with creation of an object in Java?
(A) Instance method (B) Class method
(C) Constructor (D) Object method
- 8) Which of the following option is a special portion of memory, where the objects live in Java?
(A) leap (B) heap
(C) deap (D) meap

(Space for Rough Work)

- 9) Which of the following option looks for unused objects and reclaims the memory that those objects are using in Java?
- (A) garbage collector • (B) recycle collector
(C) garbage bin (D) recycle bin
- 10) Which of the following variables defined inside methods or blocks in Java?
- (A) File variable • (B) Instance variable
(C) Class variable (D) Local variable
- 11) Which of the following is not the four P's of protection in Java?
- (A) Public (B) Protected
(C) Packed • (D) Private
- 12) Which of the following level is the highest level of protection in Java?
- (A) Public (B) Protected
(C) Packed • (D) Private
- 13) Which of the following method is used to allow data to be modified by others in Java?
- (A) tutator • (B) mutator
(C) messor (D) accessor
- 14) In Java, which of the following keyword is used to create a subclass in the class definition?
- (A) sub • (B) child
(C) extends (D) derived
- 15) Which of the following refer to the starting index value in arrays of Java program?
- (A) 0 • (B) null
(C) 1 (D) -1

(Space for Rough Work)

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- 16) If 'str' is the object of string class and its content is "Best-Luck", then what is the value of str.length() in Java?
(A) 8 (B) 10
(C) 9 (D) 11
- 17) What type of value is returned when we use get method of Calendar class with constant DAY_OF_WEEK as an argument in Java?
(A) int (B) string
(C) char (D) boolean
- 18) Which of the following option is useful to represent vector, matrix and other multi-dimensional data in Java?
(A) class (B) instance
(C) object (D) array
- 19) `int marks[] = { 90, 60, 70, 65, 80};`
From above given Java statement which of the following value return by int marks [4]?
(A) 60 (B) 65
(C) 70 (D) 80
- 20) Which of the following method of Arrays class is used to fill the whole or partial array with specified value in java?
(A) sort() (B) fill()
(C) binarySort() (D) binaryFill()

(Space for Rough Work)

- 21) If array is declared as given below Java statement, how many bytes require to store it in memory?

```
int marks [][] =
    new int [5][3];
```

- (A) 15 (B) 5
(C) 60 (D) 3

- 22) Which of the following constructor of string class is used to create a string object with no character in Java?

- (A) String() (B) String(string strObj)
(C) String(char ary[]) (D) String(string literal)

- 23) Which of the following method of string class returns a string with all characters of invoking string converted to uppercase in Java?

- (A) String toChangeCase() (B) String toUpperCase()
(C) String toCapCase() (D) String toUpCase()

- 24) Which of the following method of Date class constructs Date object using current system time in java?

- (A) Time() (B) Dt()
(C) Day() (D) Date()

- 25) What is the full form of tar?

Ch. 13

- (A) tape archiver (B) test archiver
(C) tech archiver (D) tight archiver

- 26) Which of the following is a feature - rich media player?

- (A) VAC (B) VLC
(C) VEC (D) VNC

(Space for Rough Work)

- 27) Which technology gives our location with accuracy?
(A) GRS (B) GRPS
(C) GPRS (D) GPS
- 28) Which program is used to enter unicode characters into any application?
(A) Character Display (B) Character Map
(C) Character Insert (D) Character Select
- 29) Which of the following is a very common format for distributing software or bundles of files on the Linux platform?
(A) Tat ball (B) Jar ball
(C) Tar ball (D) Zip ball
- 30) Which of the following service allows users to communicate with peers using voice, video as well as text?
(A) Skype (B) Google Map
(C) SciTE (D) Character Map
- 31) Which of the following is the tag used to implement form element?
(A) <form> ...</form> (B) </form>...</form>
(C) <form>...<form> (D) <frm>...</frm>
- 32) Which of the following attribute of form is used to specify where to send the form data when the form is submitted?
(A) method (B) submit
(C) action (D) input

(Space for Rough Work)

- 33) Which of the following method sends the data as a block through the HTTP transaction?
- (A) GET (B) PUT
(C) SET (D) POST
- 34) Which of the following element allows multi-line text input in HTML?
- (A) Textarea (B) Select and Option
(C) Input (D) Form
- 35) Which of the following is a free open source web development IDE?
- (A) HTML (B) SciTE
(C) KompoZer (D) Base
- 36) Which of the following field type is similar to the text field but the characters are not displayed to the user, instead the character typed is converted into non readable format in HTML?
- (A) Select (B) Checkbox
(C) Password (D) Radio
- 37) Which of the following menu option is used to view the different toolbars and status bar (if not visible) in KompoZer?
- (A) File → Show/Hide (B) View → Show/Hide
(C) Edit → Show/Hide (D) Insert → Show/Hide

(Space for Rough Work)

- 38) Which of the following colour marker is used to indicate the start tag for all elements in HTML Tags view in KompoZer?
- (A) Red (B) Black
(C) Blue (D) Yellow
- 39) Which of the following extension is use to save the file in KompoZer?
- (A) .html or .htm (B) .mp3 or .mp4
(C) .jpeg or .jpg (D) .docx or .doc
- 40) Which of the following menu option is used to give background colour to the form in KompoZer?
- (A) Edit → Page Colors and Background
(B) Insert → Page Colors and Background
(C) View → Page Colors and Background
(D) Format → Page Colors and Background
- 41) Which of the following allows specifying styles for the visual elements of the website?
- ch-2
(A) Cascading Style Sheets (B) Form
(C) Webpage (D) Animation
- 42) Which of the following is the syntax of CSS?
- (A) Select{property:value} (B) Selector{property:value}
(C) Selector{value:property} (D) Select{value:property}
- 43) 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)

- 44) Which of the following statement is used to return a value in a function in JavaScript?
- (A) submit (B) go
(C) send (D) return
- 45) Which of the following stands for BOM?
- (A) Browser of Model (B) Browser Object Modelling
(C) Browser Object Model (D) Browse Object Model
- 46) Which of the following tab will show CSS code in CSS style sheet dialog box?
- (A) Text (B) Box
(C) General (D) Lists
- 47) Which of the following is the disadvantage of CSS?
- (A) The web designer's job is made easier
(B) Using CSS makes website designing quick and efficient
(C) The CSS has less code compared to the HTML
(D) The CSS compatibility varies with different browsers
- 48) `document.write ("Hello Students");` which of the following is a method in given above statement of JavaScript?
- (A) write (B) Hello
(C) document (D) Students
- 49) Which of the following is a inbuilt function of JavaScript?
- (A) `validateForm()` (B) `alert()`
(C) `form()` (D) `hello()`

(Space for Rough Work)

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

- (A) Integer
(B) Cookie
(C) HTML
(D) Java

57) In web browser, where to display the title of the webpage?

- (A) Menu bar
(B) Status bar
(C) Title bar
(D) Toolbar

58) Which of the following menu option is used to insert an image in KompoZer?

- (A) Insert → Graphic
(B) Insert → Photo
(C) Insert → Picture
(D) Insert → Image

59) Which of the following function will convert the data into number in JavaScript?

- (A) parseNum()
(B) parseFloat()
(C) parseNumber()
(D) parseData()

60) Which of the following protocol can transfer the webpages from our computer to the web host?

- (A) FTP
(B) TCP
(C) ISP
(D) IP

61) Which of the following Open Source IDE helps to create project in PHP, Rails, Ruby or Web?

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

(Space for Rough Work)

- 62) Who has developed Amaya web editor?
 (A) X3C (B) Z3C
 (C) Y3C • (D) W3C
- Ch-4
 63) Which of the following is the process of buying and selling products by offering the customers to bid the price?
 (A) Marketing (B) Bookshop
 • (C) Auction (D) Booking
- 64) Which of the following is a feature of traditional commerce?
 • (A) Operates within a certain period of time or during business hours.
 (B) E-payments systems are used for receiving payment.
 (C) Advertising of the product is done electronically.
 (D) Customers can browse through products and offers.
- 65) Which of the following is a disadvantage of E-Commerce?
 • (A) Privacy (B) Speed
 (C) Improved customer service (D) Conduct business 24×7
- 66) Which of the following E-commerce business model refers to activities between different business partners?
 (A) Government to Business (G2B) • (B) Business to Business (B2B)
 (C) Consumer to Business (C2B) (D) Business to Consumer (B2C)
- 67) Which of the following E-Commerce business model refers to online non-commercial communication between the Government agencies, organizations and departments with other Government agencies, organizations and departments?
 (A) Business to Business (B2B)
 • (B) Government to Government (G2G)
 (C) Consumer to Business (C2B)
 (D) Consumer to Consumer (C2C)

(Space for Rough Work)

- 68) Which of the following is the first applications of E-Commerce on Internet?
 (A) Marketing and Selling (B) Electronic Newspaper
 (C) Internet Bookshop (D) Online Auctions
- 69) Which of the following E-Commerce application is used for the notices and reminders sent to the customer by the companies or banks?
 (A) Marketing and Selling (B) ~~Support Services~~
 (C) Online Billing (D) Information Services
- 70) Which of the following E-Commerce model involves reverse auctions where the consumers determine the prices of the products or services?
 (A) Business to Consumer (B2C) (B) Consumer to Consumer (C2C)
 (C) Business to Business (B2B) (D) Consumer to Business (C2B)
- 71) OLX.com is an example of which of the following business model of E-Commerce?
 (A) Consumer to Consumer - C2C (B) Business to Consumer - B2C
 (C) Consumer to Business - C2B (D) Business to Business - B2B
- 72) Which of the following network is developed by the Gujarat Government for E-Governance?
 (A) GSMAN (B) GSWAN
 (C) GSLAN (D) GSNET
- 73) Which of the following is the use of technologies which provide the location information for business purpose?
 (A) E-Commerce (B) L-Commerce
 (C) M-Commerce (D) Traditional Commerce

(Space for Rough Work)

- 74) Which of the following security aspect ensures that only authentic users are allowed to use the system?
- (A) Authorization (B) Non-repudiation
(C) Confidentiality (D) Integrity
- 75) Which of the following is an attack used to shut down a machine or network, making it inaccessible to its intended users?
- (A) Malicious code (B) Spoofing
(C) Denial of service attack (D) Cyber vandalism
- 76) Which of the following is a computer program that detects, prevents and takes action to remove the malicious codes like viruses, worms and trojan horses from the infected system?
- (A) Antivirus Software (B) Firewall
(C) Digital Certificate (D) Cryptography
- 77) Which of the following starting address indicates that site is secured by SSL protocol?
- (A) http:// (B) https://
(C) ssl:// (D) ssls://
- 78) Which of the following is not the symbol for trademark?
- (A) TM (B) ®
(C) SM (D) MS
- 79) Which of the following is a digital code inserted into a digital image, audio or video file, which can identify the file's copyright information?
- (A) Image mark (B) Code mark
(C) Digital mark (D) Watermark

(Space for Rough Work)

- 80) An adult befriending a child online and building an emotional connection with the child is an example of which of the following?
- (A) Cyber Bullying (B) Phishing
 (C) Cyber Grooming (D) Social Engineering
- 81) Which of the following location based application is used for plotting route from one place to another?
- (A) Navigation (B) Advertising promotion
 (C) Mapping (D) Emergency services
- 82) Which of the following is the most commonly used network protection barrier between the company's network and the outside world?
- (A) Antivirus Software (B) Firewall
 (C) Digital Certificate (D) Digital Wall
- 83) Which of the following security system is used by major credit card companies to make online transactions secure?
- (A) TET (B) PET
 (C) SET (D) RET
- 84) Which of the following is a new card payment mechanism launched by National Payment Corporation of India (NPCI)?
- (A) MPay card (B) GPay card
 (C) V Pay card (D) RuPay card
- 85) In Object-Oriented methodology, the focus is on which of the following entities?
- (A) Data (B) Objects
 (C) Functions (D) Procedures

(Space for Rough Work)

- 86) Which of the following is not a visibility symbol?
- (A) * (B) #
(C) ~ (D) +
- 87) In class diagram, composition is represented using which of the following symbol?
- (A) Empty diamond symbol (B) Empty triangle symbol
(C) Filled diamond symbol (D) Filled triangle symbol
- 88) Which of the following option is referred to attributes that describe the object, Object Oriented Programming?
- (A) Character field (B) Meta field
(C) Text field (D) Data field
- 89) Which of the following stands for OMG?
- (A) Object Manager Group (B) Object Management Group
(C) Object Managed Group (D) Object Managing Group
- 90) Which of the following option protects data by making them inaccessible from outside in Object Oriented Programming?
- (A) Abstraction (B) Polymorphism
(C) Encapsulation (D) Inheritance
- 91) Which of the following option enables to represent data in which the implementation details are hidden in Object Oriented Programming?
- (A) Abstraction (B) Polymorphism
(C) Encapsulation (D) Inheritance

(Space for Rough Work)

92) Which of the following feature allows defining more than one method having same name but different signatures in a single class in Object Oriented Programming?

- (A) File overloading (B) Class overloading
(C) Object overloading (D) Method overloading

93) Which of the following represents non-exclusive relationship between two classes in Object Oriented Programming?

- (A) Composition (B) Polymorphism
(C) Aggregation (D) Abstraction

94) Which of the following option is known as existing class in Object Oriented Programming?

- (A) Base class (B) Child class
(C) Subclass (D) Derived class

95) How many basic (primitive) data types are supported in Java?

- (A) 2 (B) 8
(C) 4 (D) 16

96) Which of the following is not allowed as first character in valid variable name in Java?

- (A) Underscore (_) (B) Letter
(C) Digit (D) Dollar (\$)

(Space for Rough Work)

- 97) What will be the result of arithmetic expression $-7\%2$ in Java?
- (A) -3 (B) 1
(C) -1 (D) -3.5
- 98) When the Java program gets compiled without errors, compiler creates a file with which of the following extension?
- (A) .class (B) .obj
(C) .txt (D) .exe
- 99) Which of the following menu option is used to execute Java program in SciTE editor?
- (A) Tools → Play (B) Tools → Execute
(C) Tools → Run (D) Tools → Go
- 100) Which of the following symbol is used to write single line comment in Java program?
- (A) /* (B) //
(C) *\
(D) \\



(Space for Rough Work)