This Question Paper contains 20 printed pages

SI.No.

331 (E)

(MARCH, 2024) (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 darken in OMR sheet.

08

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.
- 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.
- Which of the following statement is true for the object oriented programming concept?
 - The focus is on writing functions or procedures which operates on data
 - ii) It uses object as its fundamental building block -
 - iii) Similar objects are classified using concept of class -
 - (A) (i), (ii) and (iii)

(B) (i) and (iii)

(C) (ii) and (iii)

(D) (i) and (ii)

(Space for Rough Work)

2)		fied M follow) is defi	nec	d and maintained by which of
	(A)	Man	agement Group of OOPs	(B)	O	bject Oriented Group
	(C)		ect Set Management			bject Management Group
3)			agram, which of the follo to represent a class?	wing is	no	ot included into the rectangle
	(A)	retur	m type	(B)	ati	tribute
	(C)	beha	viour	(D)	па	ame
• 4	•	n the o		e follo	win	ng symbol is used for protected
	(A) ~		·Œ	3):	#
	((C) +	•))	
5			ect oriented programming capability?	g whicl	1 0	of the following provides data
	•		olymorphism	Œ	3)	data abstraction
	1	(C) n	nessaging	À	Ó	encapsulation
	· 6)	Con	nposition represents which	type of	rela	ationship between classes?
		(A)	is-like		(B	s) is-a
		·(C)	a-part-of	•	(D) a-kind-of.
	· 7)		lass diagram, aggregation bols?	is repre	sen	nted using which of the following
		(A)	Empty circle symbol	,	(B) Filled diamond symbol
		(C)	Filled triangle symbol		(D	Empty diamond symbol
_			(Space for	70	<u> </u>	

,	0 - 30
In Java, which of the following dat	ta types hold integers only?
(A) byte, short, int, long	(B) byte, int, short, double (D) byte, short, float, double
(C) Int, long, short, double	(D) byte, sport, float, double ~
9) Which of the following is not righ	nt for the variable name in Java?
((A)) Some legal names: 4x, % ar	mt
(B) No spaces are allowed	
(C) It can not be reserved word	
(D) It must begin with an alphab	bets, underscore (_) or dollar sign (\$)
10) In Java, which of the following E	Escape code is used for New line?
(A) \r	(B) \t
(C) \b	ν (①) ν
11) Which of the following is not us	sed for comment in Java?
(A) // */	(B) /* */
(A) \\ *\ (C) /** */	(D) //
·12) Which of the following is not a	comparison operator of Java?
(A) !=	(B) <=
(A) ! = (C) <>	(D) ==•
	logical operator is used for XOR (Exclusive
OR)?	(D) (I)
·(A) !	(B) (D) %%
(C) ^	(D) &&
14) In the shorthand assignment ope	erator of Java, a + = b is same as which of the
following?	
(A) $a = a + b$	(B) a + +
(C) b++	(D) $a = b + +$
(Snace for	r Rough Work)
(Space to	·

15)	Whi Java	_	ontroll	ed or post-test loop construct of
	(A)	for and while	(B)	while
	·(C))	dowhile	(D)	for
• <u>16</u>)	ln J	ava. which of the following st	ateme	nt is used to skip the following
	state	ements in a loop and continue wi	ith the	next iteration?
	(A)	go <line no=""></line>	·(B)) continue
	(C)	goto <line no=""></line>	(D)	break
17	In J	ava, what will be the result of ar	ithmet	ic expression -7%2?
		-3.5	•(B)) -1
	(C)	1	(D	ý −3
	featu (A)	ires?	(B)	functions
	\sim		(D)	message
19)	·(A)	Execution		creation from the class in Java?
	(C)	Initialization	(B)	
			, ,	Declaration
20)				nods are accessed via objects can
		eferred by which of the following		
	(A)	\$ (dollar) : (colon)	(B)	
	(C)	. (colon)	-(D)	. (dot)
21)	In Jav	va, which of the following variable	s are de	fined inside methods or blocks?
	(A)	program variable		instance variable
	(C)	class variable	(D)	local variable

22)	Whi	ch of the following is not true f	or the c	onstructors in Java?				
	(A)	constructor is invoked implici	itly only	when an object is constructed				
	using new operator							
	(B) constructor does not have return type							
	·(C)	constructor can be invoked explicitly elsewhere in the program						
	(D)	constructor must have the sam	ne name	as class name				
23)	In Ja	va, which of the following acce	ss modi	fier is used to get highest level of				
23)		ection in program?						
		Protected	(B)	Public				
_	©	Private	(D)	Package				
24)	In Ja	va, if we want to allow other m	ethods	to read only the data value than				
,		h of the following method in us		•				
_	(A)	setter and mutator	(B)	setter				
	(C)	mutator	(D)	getter				
25)	In Ja	wa, which of the following al	lows to	build a new class with added				
,	capa	bilities by extending existing cla	ass?					
	(A)	inheritance	(B)	encapsulation				
*	(C)	data abstraction	(D)	constructor				
26)	ln Ja	va, which keyword is used to cre	eate a su	bclass by extending superclass?				
·	(A)	friend	•(B)	extends				
-	(C)	add	(D)	super				
 .	27) Which of the following keyword is used to declare class variables and class							
_			sea to ac	cetate class variables and class				
	metho		(D) -	invoto				
		package	(B) I					
• ((C) t	oúplic	(D) s	static				
				(/I-)				

(Space for Rough Work)

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28)	ln Ja	va. which of	he following is us	ed to re	G.) epresent vector, matrix and other	
,		i-dimensional		cu to it	cpresent .	
		function		(B)	class	
	·((C))	агтау		(D)	object	
-• 29)					and to declare an array in Java?	
	(A)	int [3] marks	$=\{10, 20, 30\};$	(B)	int [] marks = new int [3];	
	(C)	int marks []	= {10, 20, 30};	(D)	int marks [] = new int [3];	
30)			thod of Java.util.A pecified value?	rrays o	class is used to fill the whole or	
	(A)	replace		(B)	add	
-	(C))	fill		(D)	sort	
31)			eclared using int ma		[] = new int [3][3]; will occupy	
	(A)			•(B)	18	
	(C)	36		(D)	9	
32)) Whi	ich of the follo	wing is not right fo	r an an	ray in Java?	
	•(A)	Index value:				
	(B) array is treated as an object					
	(C) (D)				idex for each dimension in []	
	(D)	attay is a co.	llection of homoger	neous	ype of data	
3	3) Ja	va supports ho	w many types of str	ings?		
	(A	A) 6		(B)) 3	
	(0	C) 4		·(D), 2	
	(Space for Rough Work)					

. 34)	In Java, int compareTo(string str) method returns which of the following if invoking string is equal to 'str'?				
	(A)	1	(B)	< 0	
	(C)	> 0	(D)	ō	
35)		va, which method of string class re woking string?	eturns	a string after appending str with	
	(A)	String Indexat(string str)	(B)	String Add(string str)	
	(C)	String concat(string str)	(D)	String to append(string str)	
36)	In Jav	a, which constant of Calendar class	is use	d for the 'day of Calendar month'?	
	(A)	MONTH	(B)	DATE_OF_YEAR	
	(C)	DAY_OF_YEAR .	(DATE 'OR'DAY_OF_MONTH "	
37	then (A) (C)	iva, if str is an object of String class what is the value of str.length()? 20 24 ich of the following keyword	(B) (D)	12 10	
		dler?			
	(A)	finally	·(B)	error	
	(C)	catch	(D)	try	
. 3	39) In exception handling of Java, which of the following block may give rise to one or more exception?				
	(A)) throws	(B)	catch	
	(C)) finally	·(D)	try	
_	(Space for Rough Work)				

40)	In exception handling of Java, which of the following block is always executed				
	befor	re the program ends?			
	(A)	throwable	(B)	catch	
	(C)	finally .	(D)	try	
<u>41</u>)	hand	ch of the following is <u>not true</u> ling in Java?	e for	the catch block of exception—	
•	(A)	For a single try block there is on	ly one	e catch block	
	(B)	Catch block contains the code			
		exception -			
	(C)	Catch block consists of keyword	catch	1∽	
		Catch block must immediately for			
		, -		-	
42)	Int	he exception handling of Java, wh	ich ke	evword is used to explicitly throw	
		exception object?			
		eobi	(B)	finally	
	(C)	excp	(D)	throw	
		-	(C)	'	
43)		ich of the following refers to a gramming terminology?	an err	or condition in object-oriented	
	(A)	deviation	(B)	abbreviation	
	(C)	exception	(D)	anomaly	
,(44 <u>)</u>) Wh	ich of the following is an example	ofbi	nary file extension?	
_	(A)	.c	(B)		
	. (C)) .class	•(D)	.txt	
45)) In J	ava, which of the following method	od of 1	file class returns true if the file or	
ξ.		ctory exists, otherwise returns fal			
	(A)	boolean directory()	(B)	boolean exists()	
	(C)	boolean file()	(\widetilde{D})	boolean isfind()	

.46)	46) Which of the following is not a method of FileInputStream class in Java?						
			int read(byte[] b)		void write(int b)		
~	(C)	int read()	(D)	void close()		
47)) In	Jav	a, which of the following class t	elongs	to Java.util package?		
	(A	.)	stream	(B)	console		
)(C)	scanner	(D)	file		
(41	(48) In Java, which of the following class provides a method for <u>reading</u> password?						
	(A)	string	(B)	console		
Y	٠(C)	scanner	(D)	file		
49	49) The data hierarchy occurs in which of the following order from the smallest to largest piece of data?						
	•	_	character:field:record:file		file:character:record:field		
	. (0	C)	character:field:file:record	(D)	file:character:field:record		
50	a1 (<i>A</i>	gui (1)	aTeX, which of the followin ments? [](square brackets) <>(angular brackets)	·(B)	<pre>kets are used for mandatory { } (curly brackets) () (round brackets)</pre>		
51) In LaTeX, which of the following package has special features for including programming code within the document? (A) geometry (B) amsmath (C) listings							
	(Space for Rough Work)						

52)	52) In SciTE, which shortcut key is used to compile a LATEX file?						
	(A) (C)	F9•	(B)	F6			
	((C))	F7	(D)	F5			
53)	In La	TeX, which of the following cor	nmand	l is used to insert a break in lin			
	(A)		(<u>B</u>)	\$.			
	(C)	%	(D)	11.2			
54\	W/h:	ah - 6.1 C H					
34)	WIIK	ch of the following website hosts	the La	TeX packages?			
	(A)	CLEN	(B)	CLAN			
	(C)	CTEN	(D)	CTAN			
	https	s://www.gujaratboardonline.con	n _				
55)	Whi	ich of the following is not a reser	rved ch	aracter in LaTeX?			
	(A)	۸	(B)				
	(C)	\$	(D)	(a)			
56)	In V	LC media player, which of the	follow	sing har shows how much of the			
	сип	ent track has been played and wh	nat is ite	s total duration?			
	(A)	Progress bar	(B)				
	(C)	Menu bar	(D)				
			(2)	Status bat			
57)	Whi	ich of the following is a default v	iew of	Google maps?			
	(A)	land view	•(B)	satellite view			
	(C)	sea view	(C)				
	(0)	502 VIOV	(U)	map view			
	.						
• 58)	In 'K	's oftware which of the followir	ig func	tion is used to display list of all			
	defin	ed variables?					
	(A)	list var()	(B)	list()			
	(C)	disp()	(D)	ls()			
	(Space for Rough Work)						

(sp) Which of the following RationalPlan shares project in its original life format (.xrp)?							
. (A)	RationalPlan single and multi bat	tch					
*	RationalPlan multi						
(C)	RationalPlan viewer						
(D)	RationalPlan single						
~~,	60) Which of the following service allows users to communicate with pears using voice; video as well as text?						
(A)	Skype	(B)	Google Talk				
(C)	Rediff Bol	(D)	Yahoo Messenger				
(A) (C) 62) Wi	TML, which of the following attri- field that is to be created in the for Value Name hich of the following is not an exam NetBeans Eclipse	rm? (B) (D) mple (B)	Type Input				
63) In HTML, what is the default value of method attribute of <form> tag?</form>							
(A)) value	(B)) post				
(C)) action	@)				
(Space for Rough Work)							
		· •					

	Which of the following viewing mode is not available on the edit mode toolbar of KompoZer?			
((V))·	Split	(B)	HTML tag
((C)	Preview	(D)	Normal
65)	ln Ko	empoZer, which menu-option is u	sed to	insert a label in the form?
((A)	Insert → Label	(B)	Inscrt → Form → Label
(<u>(C)</u>	Insert → Form → Define Label	(D)	Insert → Form → Text
	Wher wind	re will the page title be displayed, wow?	vhen w	vebpage is viewed in the browser
	(A)	Toolbar	$\overline{(B)}$	Title bar
	(C)	Menu bar	(D)	Status bar
67)		ompoZer, which button of the "s to add list items in the selection		on list properties" dialog box is
	(A)	Edit items	(B)	Add group
	(C)	Add options	(D)	Add items
68)	In K	ompoZer, which menu is used to gi	ive a b	ackground color to the webpage?
	(A)	Form	(B)	Edit
	©	• Format	(D)	Insert
· 69)	In F	CompoZer, CSS button is available	e on w	hich toolbar?
	(A)	Edit mode toolbar	(B)	Format toolbar 1
	(C)	Format toolbar 2	(D)	Composition toolbar

(Space for Rough Work)

70)	70) Which of the following tab is not available in the CSS stylesheets dialog box?				
	(A)	Background	(B)	Text	
	(C)	Bullets	(D)	General	
71)	In th	e following JavaScript statement	what i	s "write"?	
	docu	ment.write("Hello");	_		
	(A)	variable	(B)	method	
/	(C)	message	(D)	object	
· 72)	Whi	ich of the following is an example	of int	ouilt function?	
7	(A)	myFun()	(B)	validate form()	
	(C)	alert()	(D)	v form()	
, 73)	In Ja	vaScript, which event would occur	rs whe	n document or image is loaded?	
	(A)	upload	(B)	focus	
	(C)	abort	(D)	select	
-74)	Whi	ch of the following statement is no	t true	for the variable in JavaScript?	
,	(A)	Variable can be declared using ke			
	(B)	Variable in JavaScript are not cas	e sens	itive	
	(C)	The variable can store numbers,	string	or text	
		A variable is a container for stori	ng dat	a	
· <u>75)</u>	In Br	owser object model elements of the	ne wel	opage like forms, images, links	
-	are co	ontained within which object?			
	(A)	frame	(B) .	document •	
· ·	(C) ·	location	(D)	history	
(Space for Rough Work)					

76)	In JavaScript, which of the following is used for logical OR?				
	(A)	!=		· (B)	
	(C)	**		(D)	li
77)	Whi	ch of the follo	wing is known as	special s	symbol in the syntax of CSS?
	(A)	Input		(B)	Selector
	(C)	Declaration		(D)	Rules
78)	Which of the following symbol signifies the start and end of a JavaScript block?				
		Round brack		(B)	Square bracket ([])
	(C)	Curly brack	et ({})	(D)	Semicolon (;)
79)	(A)	e website cont 6	tent should be clas	ssified in (B)	to how many categories? 3
- 80)	80) In KompoZer, which option of table tab of "table properties" dialog box used to give caption to the table?				"table properties" dialog box is
	(A)	Caption		(B)	Heading
	(C)	Title		(D)	Border
81	81) In KompoZer, which tab of "Image properties" dialog box is used to change a size of an image?				
	(A) resize		(B)	size
	(C) • dimension	s	(D)	x & y of image

(Space for Rough Work)						
	(C)	Webpage	(D)	· Homepage		
	(A)	Main page	(B)	First page		
	URL address in the address bar of the browser?					
86)	6) Which of the following is the first page that opens when the user enters the					
	(C)	BlueGriffon	(D)	KompoZer		
	(A)	Amaya	(B)	•		
85)	5) Which of the following is the free open source WYSIWYG web editor developed by the World Wide Web Consortium?					
	` '	·				
	(C)	Amaya	<u>(a)</u> .	Aptana Studio		
	(A)	MS Publisher	(B)	BlueGriffon		
•	using	HTML, CSS and	JavaScript?			
84)	Whic	ch of the following	open source IDE is u	sed to develop web applications		
	(C)	SP	, (D)	ISP		
	(A)	FSP	(B)	IPS		
33)	Whic	h of the following	offers space on the	web server?		
~	٣		(-)			
A.	_	FTP	(D)	SMT		
((A)	нт	(B)	НТР		
•	users computer to the web host?					

87)	store on Internet?				19
	(A)	www.bookshopofindia.com	(B)	www.mybookstore.com •	
	(C)	www.buybooksindia.com	(D)	www.amazon.com c	
88)		hich of the following services, a		ling the products, companies are	•
	prov	iding online support to the custo	mers?		9
	(A)	Net Banking	(B)	Information services	
۲,	(C)	Support services	(D)	Online billing	
89)	89) Which of the following service can not be availed by customer with the help				
		line banking?			
	(\widehat{A})	Cash withdraw			9.
	(B)	Find status of transaction			
	(C)	Transfer the money from one ac	count	to other -	
	(D) Obtain statements for any credit or debit				
90)	•				9:
		C) E-commerce business model?		-	
	(A)	Quikr.com	(B)	eBay.com	
	(C)	OLX.com	·(D)	TradeIndia.com	
· 91)	91) JeetLe.in and bidstall.com websites are examples of which of the following E-commerce business model?				
	(<u>A</u>)	Business to Consumer (B2C)	•(B)	Consumer to Consumer (C2C)	
	©	Consumer to Business (C2B)	(D)	Business to Business (B2B)	
		(Space for Ro	ugh '	Work)	

) 2)	Which of the following is the process of buying and selling products by offering the customers to bid the price?					
	(A)	Booking	(B)	Auction		
	(C)	Bookshop	(D)	Marketing		
93)	Which of the following E-commerce business model is also a part of E-governance?					
	(A)	Government to Citizen (G2C)	(B)	Consumer to Business (C2B)		
-	(C)	Consumer to Consumer (C2C)	(D)	Business to Business (B2B)		
94)	Whi	ch of the following is a limitation	n of M	-commerce?		
	(A)	Provides global reach	(B)	It offers a limited bandwidth		
	(C)	Conduct business 24 × 7	(D)	Streamline Business processes		
•95) Which of the following is not used as source of signals in the L-commerce technology?						
	ı(A)	Cable connection	(B)	Cellular		
	(C)	Wifi-sources	(D)	GPS		
96) Which of the following is an art of protecting the information by transforming it into an unreadable form?						
	. (A	Cryptography	(B)	Copyright		
	(C) Digital Certificate	(D)	Firewall		
_						
	(Space for Rough Work)					

97)	Which of the following security system is used by credit card companies to make online transactions secure?						
	(A)	Successful Electronic Transfer	(B)	Secure Electronic Transfer			
	(C)	Safe Electronic Transaction	(D)	Set Electrical Transaction			
98)	Whice Paym	Which of the following new card payment mechanism launched by National Payment Corporation of India?					
•	(A)	RuPay	(B)	Debit Card			
	(C)	E-wallet	(D)	Credit Card			
	(A) (C) (D) Wh	ich of the following refers to a mercial or non-commercial natural Grooming Phishing ich of the following programming gramming? Pascal Java	re? ·(B) (D)	Spam Bullying guage supports object-oriented Cobol			
	. (0)	, , , , , , , , , , , , , , , , , , , ,	(D)				