

Sample Paper – 2015 (Half Year)

Class – XII – Informatics Practices (065)

Time : 3 hrs.

MM:60

QA Answer the following questions:

- Q1. What is bridge? 1
- Q2. What do you understand by firewall? 1
- Q3. Name any four Indian scripts included in Unicode. 1
- Q4. Arrange the following communication channels in ascending order of their data transmission rates. 1
Ethernet Cable, Optical Fiber, Telephone Cable, Co-axial Cable.
- Q5. How is Coaxial Cable is different from Optical Fibre? 2
- Q6. When would you prefer bridges over hubs? 2
- Q7. Expand the following terms : (i) PHP (ii) OSI 2

QB Answer the following questions:

- Q8. What will be the value of variable “j”, if the value of k is 20, and p is 10 initially? 1
`j = --k + 3 * k + p++`
- Q9. Write one limitation and one advantage of a switch statement. 1
- Q10. How many times will each of the following loops execute? Which one of these is an entry control loop and which one is exit control loop? 2

Loop 1:	Loop 2:
<code>int sum = 0, i = 5 ;</code>	<code>int sum = 0, i = 5;</code>
<code>do</code>	<code>while (i < 5)</code>
<code>{ sum += i; i++; } while (i<5);</code>	<code>{ sum += i; i++ }</code>

- Q11. What will be the value of x and y after execution of the following code: 2
`int x, y = 0;`
`for (x = 1; x <= 5; ++x)`
`y = x ++ ;`
`--y;`
- Q12. Which of the data type holds numbers from 32,768 to 32,767 from the followings: 1
(a) char (b) byte (c) short
- Q13. While working in Netbeans, Wilson included a ListBox in the form. Now he wants the list of his friends' name to be displayed in it. Which property of ListBox control should he use to do this? 1
- Q14. Can a static class member of public class get accessed by 1

	(a) same class (b) other class in the same package (c) class in any other package	
Q15	What type of inheritance does java has?	1
Q16	How does a sub class execute its super class' constructor?	1
Q17	Which import command do you need to write before creating an Option pane dialog window?	1
Q18	What is meant by implicit type conversion and explicit type conversion?	2
Q19	What are these methods used for?	3
	(a) isEditable() (b) setEditable() (c) getEchoChar()	
Q20	What is a combo box? When would you prefer a combo box over a list?	2
Q21	What are actual and formal arguments of a method?	2
Q22	Differentiate between Call By Value and Call By Reference.	2
Q23	Write the code to invoke a constructor of class SAMPLE.	1
Q24	How are protected members different from public and private members of a class?	2
Q25	We know that a private member of a class is not directly accessible by a sub class. Is it anyway possible for the objects of a derived class to access the private members of the base class? if yes, how? Remember, the base class cannot be modified.	2
Q26	What will be the contents of JTextArea1 after executing the following code: JTextArea1.setText("Object \n Oriented \t Programming")	2
Q27	Rewrite the following code using if – else statement. switch (d) { case 1: day = "Monday" ; break; case 2: day = "Tuesday"; break; case 3: day = "Wednesday" ; break; default : day = "-"; }	2
Q28	The following code has some error(s). Rewrite the correct code underlining all the corrections made: int i = 2 ; j = 5 ; while j > i { jTextField1.getText(" j is greater"); j-- ; ++i ; }	2
Q29	What will be the output of the following statements: String str = "RED SR SEC SCHOOL, CHHUHHAKWAS"; (a) str.length() (b) str.substring(3,15); (c) jTextField1.setText(str.toLowerCase()) (d) jTextField2.setText (" " + str.charAt(3))	2
Q30	How are tags used in XML different from tags in HTML?	2

Q31 What are the differences between and <BASEFONT> tags? 2

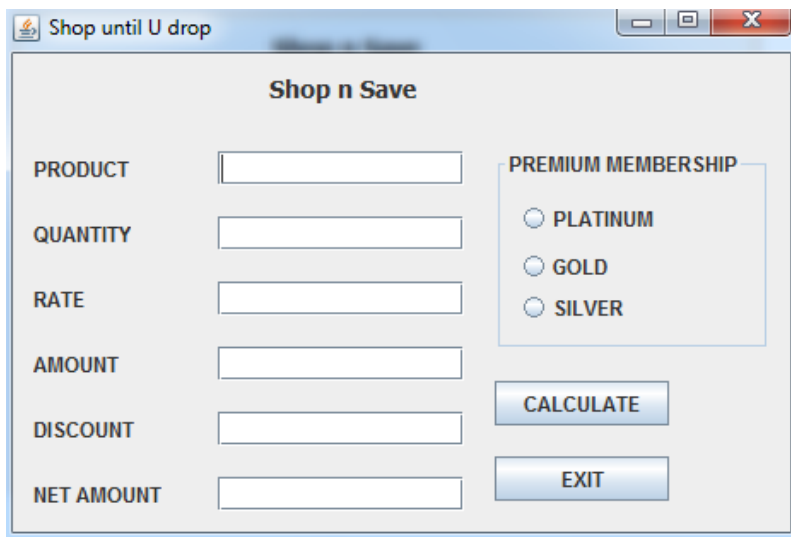
Q32 What is wrong with the following coding? 1

```
<UL type = "a" start = 4 >
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Q33 Write the code for creating the following table in <HTML>? 2

	B	C
A	D	
E	F	G

Q34 The Shop n Save store has development the following data entry screen for its operations. The store offers three different types of memberships discount schemes for its regular customers. Platinum members get a discount of 10% on all their purchases, Gold members get 5% and Silver members get 3% discount.



The list of controls for above interface is as follows:

Object Type	Object Name	Description
Text Field	ProductTF	To enter name of product
	QtyTF	To enter quantity sold
	RateTF	To enter rate per unit
	AmountTF	To display total amount as quantity * rate
	DiscountTF	To display discount amount based on membership type
	NetTF	To display net amount as amount – discount
Radio Buttons	PlatinumRB	To specify membership type
	GoldRB	
	SilverRB	
Button Group	MembershipBG	Button Group for membership radio buttons
Button	CalcBTN	To calculate the amount, discount and net amount
	ExitBTN	To close the application

- (a) Write the code to disable the text fields AmountTF, DiscountTF and NetTF. 1
- (b) Write the code for CalcBTN to calculate the amount, discount and net amount as per the given description and conditions. 3
- (c) Write the code to remove the decimal part from the textfield NetTF so that the net amount contains only the integer portion in Rupees. Where would you place this code to have its impact? 1
- (d) Write the code for ExitBTN to close the application but before the application is closed it should check the net amount and if the net amount > 10,000 the membership of customer should be upgraded and displayed. For example, if the customer already has Silver membership it should be upgraded to Gold, similarly Gold to Platinum and should be informed of the same using a message box. 2

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