



# INDIAN SCHOOL AL WADI AL KABIR

## Assessment - II (2018-19)

Class: XI

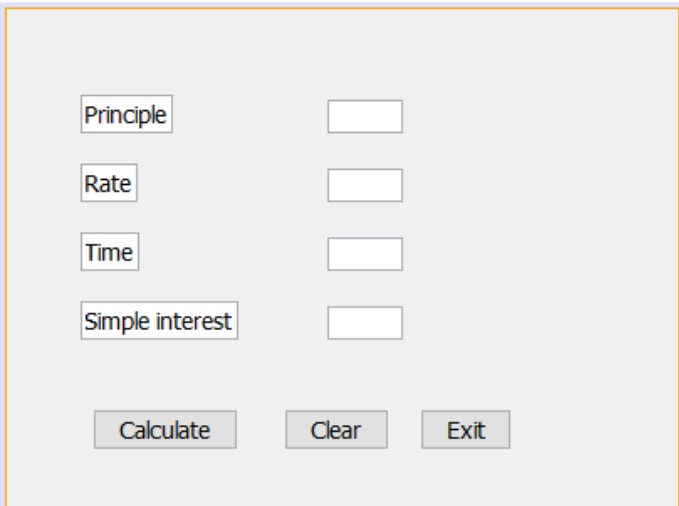
Sub: Informatics Practices

M.M: 70

Date: 19/12/18

Set - I

Time: 3 Hrs.

Qn No.		Marks
1 a)	What does a bus mean?	1
1 b)	What is memory and what are its measuring units?	1
1 c)	What are the various types of operating system?	1
1 d)	Define : Phishing?	1
1 e)	Write any two features of spreadsheet.	1
1 f)	Write the java statement to enable a button btnCheck?	1
1 g)	Write the difference between setText() and append() methods in java net beans.	1
1 h)	Suman is confused about the use of Text Field and Text Area. Help him to the difference between these controls	1
1 i)	What will be displayed in the text area of the following code segment? jTextArea.append("It has been decided \n to conduct \t a seminar on the topic \n INFORMATION TECHNOLOGY \n at ISWK \t on 23 rd September \t 2018");	2
2 a)	Identify the invalid identifiers from the following: a) _aName    b) car%class    c) student_    d)While e)Iaeroplane    f) white car    g) BLUE    h) default	2
2 b)	Find output of the following int x = 5, y = 8; System.out.println(""+x+y); System.out.println(x+y+""+(x+10)); System.out.println(""+y*5);	2
2 c)	Declare a variable x. Increment its value by 15 and store the result in variable z and display value of z	2
2 d)	Neha has a string variable stramount. She wants to convert it into double and store it in a double variable dbamount. Write java statement to perform this conversion.	1
2 e)	Karthik designed a simple interest calculator as follows: 	3

	<p>i) Write the coding for Calculate the simple interest when the user clicks Calculate button. Simple interest = (principal * rate * time) / 100</p> <p>ii) Write code for clear button to clear all text fields</p> <p>iii) Write code for exit button to exit the application</p>	
3 a)	Write the differences between if..else if ladder and switch..case statement in java	2
3 b)	<p>Rewrite the following code using if else if statement</p> <pre>int number = Integer.parseInt(numberTF.getText()); switch(number){ case 0: System.out.println("Zero"); break; case 5: System.out.println("Five"); break; case 15: System.out.println("Fifteen"); break; default: System.out.println("Invalid number"); }</pre>	2
3 c)	<p>The following code has some error(s). Rewrite the correct code underlining all the corrections are made.</p> <pre>Int A=100, B=200; Result; C = integer.parseInt(txt1.getText()); if (A &gt; B) Result = A + B; else Result = A - B; System.out.Println(""+Result);</pre>	2
3 d)	<p>Write the output of the following coding i) if u=3 ii) if u=7</p> <pre>double x=20, y=15, Ans; if ((x+y) % u == 0) Ans = x*20; else Ans=y*u; txtAnswer.setText("Answer = "+Ans);</pre>	2
3 e)	<p>Write the output of following code.</p> <pre>int i, sum = 0; for(i=2;i&lt;5;i++) { sum+=i; i++; } System.out.println(Sum = "+ sum);</pre>	2
3 f)	<p>How many times the following loop will execute? Write the value of y</p> <pre>double y =100; int j; for(j=5; j&lt;=40; j=j+15) { y=y+j; } System.out.println(""+y);</pre>	2

3

i) Write the java code to calculate discount and total amount as per the following criteria

4

Bill amount	Discount
>20000	12%
>15000	10%
>=10000	8%
<10000	5%

Total amount = Bill amount – Discount

ii) When the user clicks the Clear Button all the text fields should be cleared and disable the clear & exit buttons.

iii) When the user clicks Exit Button, close the application.

3 h)

Create the GUI application as per the above screenshot.

i) For each participation student will get 20 marks. Write the code for calculate button?

ii) Write the code for clear button?

iii) Write the code for exit button?

4

4 a)

Define: i) Primary key ii) Degree iii) Relation iv) Candidate key

4

4 b)	Mr. Raj wants to display the list of tables in the database company. Write the command.	1																																																
4 c)	Difference between char and varchar datatypes?	1																																																
4 d)	A table 'ITEMS' has degree 3 and cardinality 8. What is the number of rows and columns?	1																																																
4 e)	Write a command to delete 'age' column of 'student' table.	1																																																
4 f)	In an employee's table out of employee-id, name, address and contact, which column can be set as primary key? Why?	1																																																
4 g)	What is the use of DISTINCT command in SQL?	1																																																
5	<p>Consider the following table 'SHOP'</p> <table border="1"> <thead> <tr> <th>CODE</th> <th>ITEM</th> <th>COMPANY</th> <th>QTY</th> <th>CITY</th> <th>PRICE</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>Biscuit</td> <td>Parle</td> <td>100</td> <td>Delhi</td> <td>10.00</td> </tr> <tr> <td>102</td> <td>Jam</td> <td>Kissan</td> <td>110</td> <td>Kolkata</td> <td>25.00</td> </tr> <tr> <td>103</td> <td>Coffee</td> <td>Nestle</td> <td>200</td> <td>Kolkata</td> <td>55.00</td> </tr> <tr> <td>104</td> <td>Sauce</td> <td>Maggi</td> <td>56</td> <td>Mumbai</td> <td>10.00</td> </tr> <tr> <td>105</td> <td>Cake</td> <td>Brittania</td> <td>72</td> <td>Delhi</td> <td>10.00</td> </tr> <tr> <td>106</td> <td>Maggi</td> <td>Nestle</td> <td>150</td> <td>Mumbai</td> <td>55.00</td> </tr> <tr> <td>107</td> <td>Chocolate</td> <td>Cadbury</td> <td>170</td> <td>Delhi</td> <td>25.00</td> </tr> </tbody> </table>	CODE	ITEM	COMPANY	QTY	CITY	PRICE	101	Biscuit	Parle	100	Delhi	10.00	102	Jam	Kissan	110	Kolkata	25.00	103	Coffee	Nestle	200	Kolkata	55.00	104	Sauce	Maggi	56	Mumbai	10.00	105	Cake	Brittania	72	Delhi	10.00	106	Maggi	Nestle	150	Mumbai	55.00	107	Chocolate	Cadbury	170	Delhi	25.00	
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5 a)	Write SQL command to create the above table 'SHOP'	1																																																
5 b)	Display code, item name and city whose quantity is less than 100	1																																																
5 c)	Display different companies from table	1																																																
5 d)	Display name of the item whose name starts with 'C'	1																																																
5 e)	Display item name and company in descending order of quantity in city 'Delhi'	1																																																
5 f)	Write SQL command to add one more column 'Contact' to this table?	1																																																
5 g)	Display the number of items in the table	1																																																
5 h)	Display the items whose price between 20 and 30	1																																																
5 i)	Decrease the price of all item by 5	1																																																
5 j)	Delete those items whose quantity between 70 and 160	1																																																
6	<p>The item_no and cost column of table 'ITEMS' given below. Find the output of the following queries</p> <table border="1"> <thead> <tr> <th>item_no</th> <th>Cost</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>6000</td> </tr> <tr> <td>102</td> <td>5000</td> </tr> <tr> <td>103</td> <td>4000</td> </tr> <tr> <td>104</td> <td>7000</td> </tr> <tr> <td>105</td> <td>8000</td> </tr> </tbody> </table>	item_no	Cost	101	6000	102	5000	103	4000	104	7000	105	8000																																					
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6 a)	Select avg(cost) from items;	1																																																
6 b)	select cost + 100 from items where item_no > 103;	1																																																

6 c)	Select count(*) from items;	1																																				
6 d)	Consider the following table 'PLAYER'	1																																				
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Write SQL command to insert first row																																						
6 e)	Display the name of all players whose name contain 'n'	1																																				
6 f)	Display the name of female players whose game is athletics	1																																				
6 g)	Display details of players whose city is either Mumbai or Ludhiyana	1																																				
6 h)	Display id and name of players whose game starts with 'c'	1																																				
6 i)	Write SQL command to delete the contents of table	1																																				
6 j)	Write the SQL command to remove the table from the database	1																																				

*All the Best*