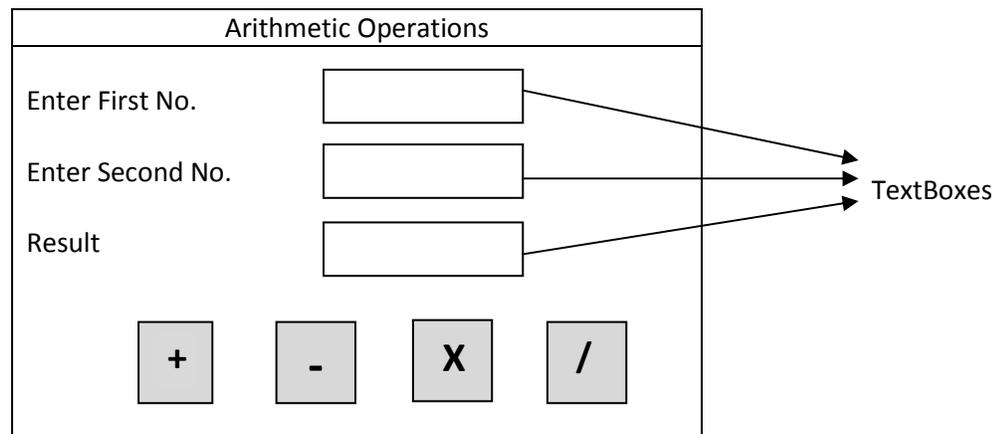


Final Paper (1 March 2017)
Class XI
Paper- Informatics Practices

Time: 3hrs.

M.M. 70

- | | |
|--|---|
| 1. What is the function of memory? What are its measuring units? | 1 |
| 2. What is the difference between OCR and MCR? | 1 |
| 3. What does a bus mean? | 1 |
| 4. What do you mean by firmware? | 1 |
| 5. What do you mean by Joystick? | 1 |
| 6. How is compiler different from interpreter? | 2 |
| 7. What is system software? | 1 |
| 8. What do you mean by DBMS? | 1 |
| 9. What is application Software? Why we use application software? | 2 |
| 10. What do you mean by Time sharing operating System? | 1 |
| 11. What do you mean by Data Types? | 1 |
| 12. What do you mean by relational operators? Name any three relational operators. | 2 |
| 13. Define Literals and Identifiers | 2 |
| 14. Write the code of the following program. | 8 |



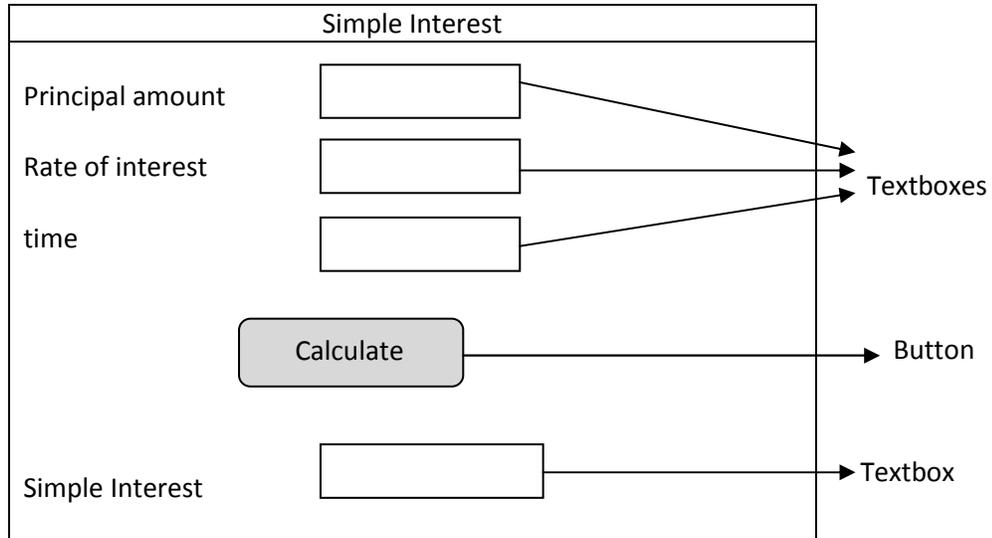
- | | |
|---|---|
| 15. Write the syntax of switch statement. | 2 |
| 16. Show the output of following code: | 3 |
- ```
int a=5,b=10;
if(a>5)
 if(b>5)
 {
 System.out.println("b is" +b);
 }
 else
 System.out.println(" a is" +a);
```

17. Write the code to display your name 5 times by using for loop 3

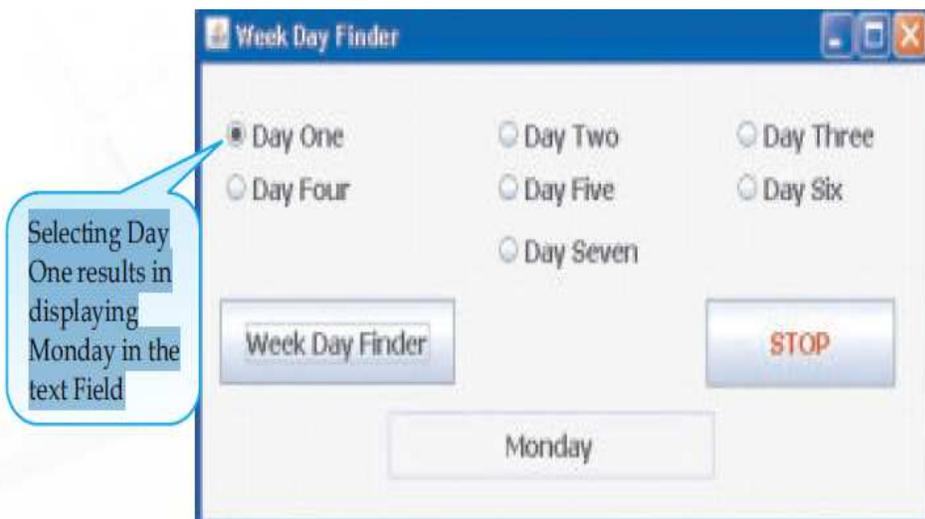
18. Find out the error in the following code 2

```
If(a=0)
System.out.println("zero");
If(a=1)
System.out.println("one");
```

19. Develop a GUI application to calculate simple interest as per the following layout. 5



20. Develop an application called the Week Day. The Week Day Finder will display the name of the week in a disabled text field depending upon the day selected by the user. The days are displayed as radio button options, which have to be selected. So, the form will have 7 radio buttons and depending on the button selected the day of the week will be displayed.



21. What is the difference in the output of SELECT statement if we write the keyword ALL in place of DISTINCT? 1
22. What is the purpose of a Column Alias? 1
23. Which statement is used to modify data in a table? 1
24. What is the purpose of "ORDER BY" clause? 1
25. Consider the following table named "GYM" with details about Fitness products being sold in the store. 8

Table Name : GYM  
 PrCode stores Codes of Products  
 PrName stores names of Products  
 (Unit Price is in Rs.)

| PrCode | PrName            | UnitPrice | Manufacturer |
|--------|-------------------|-----------|--------------|
| P101   | Cross Trainer     | 25000     | Avon Fitness |
| P102   | TreadMill         | 32000     | AG Fitline   |
| P103   | Massage Chair     | 20000     | Fit Express  |
| P104   | Vibration Trainer | 22000     | Avon Fitness |
| P105   | Bike              | 13000     | Fit Express  |

Write SQL statements to do the following:

- a) Display the names of all the products in the store.
- b) Display the names and unit price of all the products in the store
- c) Display the names of all the products with unit price less than Rs.20000
- d) Display details of all the products with unit price in the range 20000 to 30000
- e) Display names of all products by the manufacturer "Fit Express"
- f) Display all rows sorted in descending order of unit price.
- g) Add a new row for product with the details: "P106", "Vibro Exerciser", 23000, "Avon Fitness".
- i) Display details of all products with manufacturer name starting with "A".

26. Write SQL statements to do the following: 5

- a) Using the three separate words "We," "study," and "MySQL," produce the following output:  
"We study MySQL"
- b) Round off value 15.192 to one decimal in MYSQL.
- c) Display the length of the string "Informatics Practices".
- d) Display the position of "My" in "Enjoying MySQL".
- e) Write the syntax in MySQL to display the result of  $3^2$ .

27. What is E-business? What benefits an e- business offer to the customer? 3
28. How is e-learning proved useful for a trainer? 3
29. How has e-governance benefitted the common man? 2