



UNIVERSITY OF THE PUNJAB

Sixth Semester - 2018

Examination: B.S. 4 Years Programme

Roll No.

PAPER: Internet Programming (IT)

TIME ALLOWED: 2 Hrs. & 45 Mints.

Course Code: IT-308 Part – II

MAX. MARKS: 50

Attempt this Paper on Separate Answer Sheet provided.

Question # 2.

[2 x 10 = 20 Marks]

Precisely write down the answers of the following questions.

1. What is the purpose of threading?
2. What is difference between static and constant variable in java?
3. Why does java allow multiple inheritance between interfaces but not between classes?
4. In event handling, what is the purpose of KeyListener interface?
5. Write down a life cycle of java servlets.
6. What is the purpose of packages?
7. What is the purpose of Statement object in JDBC?
8. In CSS, how can we apply style to the components?
9. What does JDBC, HTML, CSS and JSP stands for?
10. How can we achieve polymorphism in java?

Question # 3.

[3 x 10 = 30 Marks]

Briefly write down the answers of the following questions.

1. A client wants to send a request to server for reversing a string. So, you have to make a server-client application, in which client sends a string to the server and server resends it after reversing the string. (Do your task with serialization method in which either you can use built-in class String or make your own string class).
2. Write a JSP page, which will dynamically create a drop down list with all smartphones along with their company saved in data base.
DB Name: Database
Table name: Smartphone(model (varChar(15)), company(varChar(15)))
3. Write a program in which a thread will be created. This thread will take a positive number as input from main thread and display all number from 0 to that number.



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PAPER: Internet Programming (IT)

TIME ALLOWED: 15 Mints.

Course Code: IT-308 Part – I (Compulsory)

MAX. MARKS: 10

Attempt this Paper on this Question Sheet only.

Please encircle the correct option. Each MCO carries 1 Mark. This Paper will be collected back after expiry of time limit mentioned above.

Question # 1.

Evaluate the statement and write down the correct option number.

[Marks: 1 x 10 = 10]

1. Every program has at least ____ number of thread/s.
 - a. 1
 - b. 2
 - c. It is not compulsory that every program has at least any number of thread/s
 - d. None of these
2. Which of the following is a valid declaration of an object of class Box?
 - a. new Box obj;
 - b. obj = new Box();
 - c. Box obj = new Box();
 - d. Box obj = new Box;
3. On pressing OK button, prompt box returns ____ value.
 - a. message written in text box
 - b. null
 - c. prompt box is not a type of Pop up box
 - d. none of above
4. Which of these cannot be declared static?
 - a. Class
 - b. Object
 - c. Variable
 - d. Method
5. Init function of a servlet will be called only ____ times in a life cycle of servlet.
 - a. 1
 - b. 2
 - c. Multiple
 - d. None of the above
6. Finalize method is ____ in java.
 - a. a destructor
 - b. a garbage collector
 - c. called before destroying the objects
 - d. called after destroying the objects
7. There ____ a this reference in static methods.
 - a. exists
 - b. does not exist
8. If we uses get method technique, then the data will be sent through ____.
 - a. body of request
 - b. url
 - c. both a & b
 - d. none of these
9. Which keyword is used by method to refer to the object that invoked it?
 - a. import
 - b. catch
 - c. abstract
 - d. this
10. What will be the output of the program?

```
public class Foo{
    public static void main(String [] args){
        try{
            return;
        }
        Finally{
            System.out.println("Finally");
        }
    }
}
```

 - a. Finally
 - b. Compilation fails
 - c. The code runs with no output
 - d. An exception is thrown at runtime