

# **Internal Assessment-II**

## **Practice questions**

### **Subject-PCPF**

### **SEM -III**

## **Module 3**

- 1) Explain the concept of currying in haskell with an example.
- 2) Demonstrate Lazy Evaluation with an example?
- 3) Explain Guards with examples in haskell?
- 4) Write a Haskell function to add all values in a list. What is the type of this function?
- 5) Write a short note on following  
i) map ii) filter iii) take iv) cycle v) zipwith
- 6) What are higher order Functions, explain with example
- 7) List features of functional programming languages.
- 8) Write a code in haskell to Print even number upto 100 ?
- 9) Explain recursion in haskell with an example
- 10) Write a code in Haskell to Print even from 1 to 100 .
- 11) What is pattern matching in haskell? Explain with examples.
- 12) Name & Explain use of any 5 list processing functions in Haskell prelude library.
- 13) Explain Type & Type classes in haskell.
- 14) How to implement recursion in haskell?

## **Module 5**

- 1) Explain Life Cycle of threads.
- 2) Explain the different communication and synchronization techniques in a concurrent programming model.
- 3) Write a program to create two threads one will print even number and other prints odd no using multithreading in java  
Expected output-1,2,3,4..
- 4) Write a program using multithreading in java, create two threads one will print number 1 ten times and other prints number 2 ten times  
Expected output-1,2,1,2,1,2..
- 5) What is synchronization? What is the need of synchronization?

- 6)What is concurrent programming?
- 7)Explain following terms: Concurrent system, Parallel system, Distributed system, Race condition, Context switching.
- 8)

## **Module 6**

- 1.What are Scripting Languages?
- 2.List common characteristics of Scripting Languages.
- 3.Write a note on Naming for scripting languages.
- 4.Write a note on Scoping rules .
- 5.Explain innovative features of scripting languages
- 6.Differentiate between client side scripting and server side scripting?
- 7.Difference between programming languages and scripting language?