

B.Sc.(Gen) 5th Semester Examination, 2020(CBCS)
Paper Name: Software Engineering ***Paper Code: DSE 1A***
Subject: Computer Science

F.M:40

Time:2 Hrs.

Answer any eight Questions.

5x8=40

1. What do you mean by Software Engineering? Why it is called so.
2. Discuss Waterfall model in Software Engineering.
3. Discuss Functional and non-functional requirement of SRS document.
4. Write characteristics of a good SRS document.
5. Discuss 'COHESION' with example.
6. What do you mean black box testing? Explain with example.
7. Differentiate between 'Unit testing and Integration testing'?
8. Draw a Level zero DFD for an Library Information System.
9. Write short note on 'Data dictionary'.
10. Discuss the use of case tool in software Engineering.

B.Sc.(Gen) 5th Semester Examination, 2020(CBCS)
Paper Name: Programming in Java ***Paper Code: DSE 1A***
Subject: Computer Science

F.M:40

Time:2 Hrs.

Answer any eight Questions.

5x8=40

1. What is Object Oriented Programming? Briefly explain properties of Object Oriented Programming.
2. What do you mean by JVM? Explain public static void main(String args[]) in Java.
3. What is class? Give an example. What is the difference between class and object?
4. What do you mean by Access Modifier? Explain different types of Access modifiers present in Java.
5. Write a program in Java to find the sum of first 10 natural numbers?
6. What is the constructor? Briefly explain all types of constructors in Java.
7. What is function overloading? Differentiate between method overloading and method overriding.
8. What do you mean by garbage collection in Java? Why do we need the wrapper class in Java?
9. What is Inheritance? Explain different types of Inheritance in Java.
10. Write a program in Java which will calculate the factorial of a given number.