MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
Paper Code : BCAC402 Software Engineering
UPID : 400087

Time Allotted : 3 Hours   *Full Marks :70*

The Figures in the margin indicate full marks.
Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :   [1 x 10 = 10]
    (I)   What is full form of CRM?
    (II)   A TPS is commonly known as
    (III)   Name one dynamic UML diagram
    (IV)   Alpha testing is done by?
    (V)   What is full form of MRP?
    (VI)   What is the full form of SDLC?
    (VII)   Which component is used for storing data In DFD ?
    (VIII) When the feasibility study is done?
    (IX)   _____testing is to check code.
    (X)   In software engineering for quality assurance which ISO series is being used?
    (XI)   A map of overall structure of a database is called as
            Table or Schema?
    (XII)   After which phase of SDLC can white-box testing be started?

Group-B (Short Answer Type Question)
Answer any three of the following :   [5 x 3 = 15]

2. What are components of DFD,Explain each with diagram?   [5]
3. What is economic feasibility?Why it is also termed as Cost-Benefit analysis.?   [5]
4. Explain the function of MIS,DSS,KBS   [5]
5. What is data dictionary?What is its another name?Describe its all fields   [5]
6. Compare and contrast top down and bottom up integration testing   [5]

Group-C (Long Answer Type Question)
Answer any three of the following :   [15 x 3 = 45]

7. Differentiate static UML diagram and dynamic UML diagram? Draw and explain any one static UML   [5+5+5]
    diagram?
    Draw and explain any one dynamic UML diagram?

8. What is test case?Distinguish Black box testing and white box testing?Discuss the two types of black box [2+5+8]
    testing strategies

9. What is CBIS? Describe TPS,OAS,MIS,DSS,KBS along with their application.   [5+10]

10. What is a CASE tool? How are case tools useful in different aspects of software engineering projects? Also [3+8+4]
    briefly state two disadvantages of case tool

11. How verification and validation used in different phases of software development, explain briefly. [15]

*** END OF PAPER ***