

AI-110

April-2015

S.Y. M.Sc., (CA & IT) Sem.-IV

Integrated

System Analysis, Design and Modelling

Time : 3 Hours]

[Max. Marks : 100

1. Answer the following : (Any **four**) **20**
 - (i) What tests must projects pass to be deemed feasible ? Briefly describe the meaning and purpose of each one.
 - (ii) What is Information System ? Describe the different categories of Information System.
 - (iii) Who are the initiators of Project Requests ?
 - (iv) Describe common misconceptions about the role and intent of system analyst.
 - (v) List and explain the methods for Project Review and Selection.

2. Answer the following : (Any **four**) **20**
 - (i) Explain Structured English in detail.
 - (ii) Discuss the various methods for information gathering.
 - (iii) Explain the categories of CASE tools.
 - (iv) What is data-dictionary ? Explain with example.
 - (v) Draw a context level and first level DFD for withdrawal money from ATM.

3. Answer the following : (Any **four**) **20**
 - (i) Discuss the steps in the prototype method.
 - (ii) How do application generators and screen generator differ ? How are they similar ?
 - (iii) What objectives guide the system analyst in designing an information system ?
 - (iv) What guidelines should be followed to minimize the risks associated with user-developed information system ?
 - (v) What is deliverable ? Explain in brief the deliverables in system development process.

4. Answer the following : (Any **Four**) **20**
- (i) What are coding methods ? What purpose do they serve ? Discuss the different types.
 - (ii) What objectives guide input design ? Briefly describe each.
 - (iii) How do online systems differ from batch applications ?
 - (iv) Describe the actions that occur throughout a system interface.
 - (v) Discuss the Key Output Questions that answered fully and properly, help system analyst to deal about what the output of a newly designed system should be.
5. Answer the following : (Any **Four**) **20**
- (i) Discuss the most common types of Quality Assurance.
 - (ii) Write a note on Structured Flowchart.
 - (iii) What methods are used in Post-Implementation Review ?
 - (iv) Discuss the function point technique in estimating development time & programmer productivity with example.
 - (v) Discuss the alternatives for computer acquisition, comparing the similarities and differences of each method.
-