

Solved Question Paper

June 2015

2.iii) Differentiate between the following : Structured Analysis and Object Oriented Analysis(4marks)

Structured approach	Object Oriented Approach
Its focus is on processes and procedures.	Its based on the concept of objects.
Most direct way of implementing a desired goal.	Its an indirect way of system development because in this holistic view of application domain is considered, and objects are identified in the related problem domain.
Readjustment of some new changes in the system is very difficult.	It gives space for further enhancement of the system.
It is suitable for well-defined projects with stable user requirements.	It is suitable for risky large projects with changing user requirements.
follows top-down approach .	follows bottom-up approach .
Programs are divided into small self contained program segment known as functions .	Programs are divided into small entities called objects .
less secure as there is no way of data hiding .	more secure as having data hiding feature.

provides less reusability , more function dependency.	provides more reusability, less function dependency .
can solve moderately complex programs.	can solve any complex programs.
Less abstraction and less flexibility.	More abstraction and more flexibility.
Functions and data are not tide together.	Functions and data are tide together.
Modelling techniques used in this are DFD, flowcharts etc..	Modelling techniques used is UML which includes state diagram, class diagram, Use Case diagram, Sequence Diagram etc..
It is an old approach and is not preferred.	It is a common approach nowadays.