NEW

2017

BCA

6th Semester Examination

OOAD USING UML

PAPER-3201

Full Marks: 100

Time: 3 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer any five questions.

1. (a) What is object? What are the purpose of object ID?

What do you mean by an actor in a use case?

6

(b)	Identify ilasses and the			n behaviour through			sequence
	modelling fo	or NET	Bank	ATM	Sys	tem.	8

- (a) Describe the purpose, function and UML notation of the class diagram.
 - (b) Discuss OOSAD life cycle model in details. 8
- (a) Draw and explain UML Interaction diagram for issuing the Books in Library.
 - (b) Explain the activity diagram for the above problen, inQ.3 (a).6
- (a) What is use case diagram? Draw a use case diagram for placing an order for food in a restaurant booking system.
 - (b) Distinguish between Deployment diagram and component diagram with an example. 6

5.	(a)	What do you mean by advanced structural modelling? How does it differ from Behavioural Modelling?
	(b)	Explain the Behavioural diagram in SDLC. 7
6.	Wr	ite the difference between : $4 \times 3\frac{1}{2}$
	(a)	Aggresation and Association;
	(b)	Signal and event;
	(c)	Object and Actor;
	(d)	Class and object.
7.	(a)	Draw an activity diagram of a Banking system. 7
	(b)	Draw and state diagram of an education institute
		library data management system. 7
8.	Wri	ite short notes on : $4 \times 3\frac{1}{2}$
	(a)	Inheritance;
	(b)	Polymorphism;
	¥3	

- (c) Encapsulation;
- (d) Collaboration diagram;
- (e) State chart diagram.

[Internal Assessment: 30]