UNIT – I

8. (a) What are boundary cor s ? How these are handled ? Discuss with s e examples. 8

(b) Explain reuse plan with les. 8

9. Explain the following with e: es :

(a) System development sta 8

(b) Software control strategi 8

Roll No. .....

67192

MCA 4th Semester CBCS Scheme
w.e.f. 2017-18
Examination – May, 2018

OBJECT ORIENTED ANALYSIS AND DESIGN USING UML

Paper : 17MCA34C2

Time : Three Hours] *[Maximum Marks : 80*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Question No. **1** is ***compulsory***. Attempt ***four*** more questions selecting ***one*** question from each Unit. All questions carry equal marks.

1. Answer the following questions briefly : $8 \times 2 = 16$

(a) What is UML ?

(b) Discuss concurrency and its uses.

(c) Explain state diagram and its merits.

(d) Describe class model briefly

(e) Explain association with an le.

(f) Discuss Link class with an e e.

(g) What do you mean by globa ırces ?

(h) What are common divisions

UNIT – I

2. (a) What is Use-Case diagram is it useful and used ? Discuss with exampl 8

(b) Discuss uses and advantag ctivity diagram with an example. 8

3. Explain the following briefly wi ble examples :

(a) State chart diagram and its d advantages. 8

(b) UML semantic rules and th ; 8

UNIT – II

4. (a) What is abstract class ? How is it useful and used ? Explain with suitable examples. 8

(b) Discuss Encapsulation with an example in detail. 8

5. Describe the following with examples :

(a) Class model and its uses. 8

(b) Modularity and purpose of modeling. 8

UNIT – III

6. (a) What is use case model ? How is it used and useful ? Explain with suitable examples. 8

(b) Discuss state modeling and its advantages with examples. 8

7. Explain the following with examples :

(a) Activity model and its uses. 8

(b) Relationship between class and state models. 8