(e) What do you mean by debugging activities ? Explain. 2

(f) What is Data structure metrics ? Explain. 2

(g) What is Structural Testing. 2

(h) What do you mean by validation and verification ? 2

UNIT – I

2. (a) What is Software Engineering ? What are the essential characteristics and challenges of software engineering ? Explain . 8

(b) What is Software Requirement Engineering ? Discuss the various requirements engineering process in detail. 8

3. (a) Compare waterfall model and spiral model of Software Development. 8

(b) Explain the nature and characteristics of Software Requirement Specification (SRS) in detail. 8

UNIT – II

4. (a) How is Software management different from other types of engineering managements ? Explain. 8

(b) What do you mean by software risk management ? Explain the objectives and benefits of risk management in detail. 8

5. (a) What do you mean by Software Project Estimation models ? Explain COCOMO model in detail. 8

(b) What is Software Project Management ? What are the main Project management activities ? Explain. 8

UNIT – III

6. (a) What are software metrics ? Discuss the effect of software metrics on software productivity. 8

(b) What is software design Process ? State its relevance and also discuss the importance of software design Process in software engineering. 8

7. (a) Explain the following in detail : 2 × 4 = 8

   (i) Classification of Cohesiveness & Coupling

   (ii) Good Coding Style

(b) What is software Implementation ? Explain the relationship between design and implementation in detail. 8

UNIT – IV

8. (a) What is software testing ? How is testing important in software life cycle ? Discuss the objectives of software testing. 8

(b) Explain the following in detail : 2 × 4 = 8

   (i) Design of Test cases

   (ii) Unit testing and system testing

57533

BBA 4th Semester (N. S.) 2014-17 Examination – May, 2019

BUSINESS RESEARCH METHODS

Paper : BBAN-403

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

Note : Attempt *compulsory* Question *No.* **1** from Section – A and *four* question from Section – B (*one* question from each Unit). All questions carry equal marks.

SECTION – A

1. Write a short notes on the following :

   (a) Deductive Theory

   (b) Questionnaire Designing

   (c) Importance of Problem Definition

   (d) Concept and Preposition