7. (a) Define Metric Measurement. Which Halstead's for is used for program vocabulary a program volume ? Discuss in det

(b) Explain Cod Style and Coding efficiency. L and explain the characteristic a programming language.

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8. (a) What is Softw esting ? Discuss the role of softwa ting during software development l cle.

(b) Differentiate ween Integration testing and Sy testing.

9. Write shor notes following :

(a) Reverse Engir g

(b) Software mair nce

(c) Debugging

(d) Documentatic

Roll No. .....

97676

B.C.A. 4th Semester

Examination–May, 2017

Software Engineering

Paper-BCA-209

Time : 3 hours ***Max. 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 the examination.

Note : Attempt **five** questions in all. Question No. 1 is **compulsory** and attempt **four** more questions by selecting **one** question from each unit. All questions carry equal marks.

1. (a) Write any four major areas of applications of software.

(b) What is requirement elicitation ?

(c) What is project planning ?

(d) What is manage spectrum ?

(e) List any four typ coupling.

(f) What is softwar gn ?

(g) What is white b ting ?

(h) Write any two t of errors that can be detected duri nit testing.

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2. (a) Discuss in det he strengths and weaknesses o y two software process models.

(b) What is Softwar ineering ? Explain the factors invol n the emergence of software engine

3. (a) Write short not data flow diagram and data dictio

(b) What is SRS cuss the various components of ware requirement specification.

UNIT-II

4. (a) What is the importance of Project Scheduling in Software Engineering ? What are the factors that affect project scheduling ?

(b) What is the role of product size in cost estimation ? Explain the methods to estimate the cost.

5. (a) Discuss various types of COCOMO models and their advantages.

(b) What is Risk Exposure ? What techniques can be used to control each risk ?

UNIT-III

6. (a) What do you mean by Cohesion ? Is it true that in a good design, the modules should have low cohesion ? Explain.

(b) What do you mean by Function-oriented design ? List a few well-established function-oriented techniques.