F-164

B.C.A. EXAMINATION, Dec. 2017

(Sixth Semester)

(Old Scheme) (Re-appear Only)

(BCA)

BCA-308

SOFTWARE PROJECT MANAGEMENT

Time : 3 *Hours*]   [*Maximum Marks :* 100

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

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. Q. No. **1** is compulsory. All questions carry equal marks.

1. (i) Write principle of waterfall model.

(ii) List the critical factors to be considered while selecting a project team.

(iii) Name the four factors considered for software metrics.

(iv) What are the disadvantages of COCOMO ?

(v) Define artifact set.

(vi) Differentiate between terms task and activity in Software Project Management.

(vii) Define functional check points.

(viii) Name 7-S of project management.

(ix) Name various process discriminants.

(x) Name any *four* planning guidelines. **20**

Unit I

2. Describe pragmatic software cost estimation in detail. **20**

3. (a) What are five basic parameters of the software cost model considered in improving software economics ? Describe. **10**

(b) Give principles of modern software engineering. **10**

Unit II

4. (a) Write down primary objectives, essential activities and primary evaluation criteria for construction phase. **10**

(b) Compare implementation set with deployment set. **10**

5. Describe software process work flows in detail. **20**

Unit III

6. What do you WBS ? Describe conventional WBS and evolutionary WBS. **20**

7. What are various pragmatic software metrics ? Give characteristics of good pragmatic software metric. **20**

8. What is process automation ? Describe various building blocks of process automation. **20**

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