

(i) Printed Pages : 3

Roll No.

(ii) Questions : 9 Sub. Code :

1	7	9	3	9
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Exam. Code :

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Bachelor of Computer Applications 4th Sem.
(2055)

SOFTWARE PROJECT MANAGEMENT

Paper : BCA-16-403

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :—(1) The question paper will consist of four sections.

(2) There are total **NINE** questions comprising **TWO** questions in each unit and **ONE** compulsory question of short answer type.

(3) The students are required to attempt **ONE** question from each section and the compulsory question.

(4) All questions carry equal marks unless specified.

SECTION—A

1. Explain the concept of software project management. Discuss the role of a project manager and various stakeholders in project management. 13
2. What are the different phases of a project and product life cycle ? Explain how improving software economics can enhance project success. 13

SECTION—B

3. Explain the project management framework and discuss various software tools used for project management. 13
4. (a) What are the key issues in project staff acquisition and team formation ? 6
(b) Explain workflows and checkpoints in the project management process. 7

SECTION—C

5. Define Scope Management. Explain the importance of a work breakdown structure and how it helps in scope verification and control. 13
6. (a) What are the seven core metrics of process instrumentation ? 6
(b) Explain iterative process planning and process automation in software management. 7

SECTION—D

7. Explain project scheduling and the significance of sequencing and scheduling activities. Discuss different project network diagrams. 13
8. What is cost estimation in project management ? Explain different cost-estimating techniques such as expert judgement, analogy, and the COCOMO model. 13

SECTION—E

9. Answer the following briefly :

- (a) Explain principles of modern software management. 4
- (b) What is project integration management ? Discuss project monitoring and control. 3
- (c) Define process automation and its role in project execution. 3
- (d) Explain PERT and CPM techniques in project scheduling. 3