

(i) Printed Pages : 3 Roll No.

(ii) Questions : 9 Sub. Code :

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Exam. Code :

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**Bachelor of Computer Applications 4th Semester
(2054)**

SOFTWARE PROJECT MANAGEMENT

Paper : BCA-16-403

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :— Attempt **five** questions in all, including Question No. **9** in Section-E, which is compulsory and taking **one** each from Section-A, B, C & D.

SECTION—A

1. What is Software Project Management ? Describe the four important phases of the Project Management Life Cycle. 13
2. Define feasibility study and discuss various steps in feasibility study of a project. Explain the aspects considered in technical and economic feasibility of a project. 13

SECTION—B

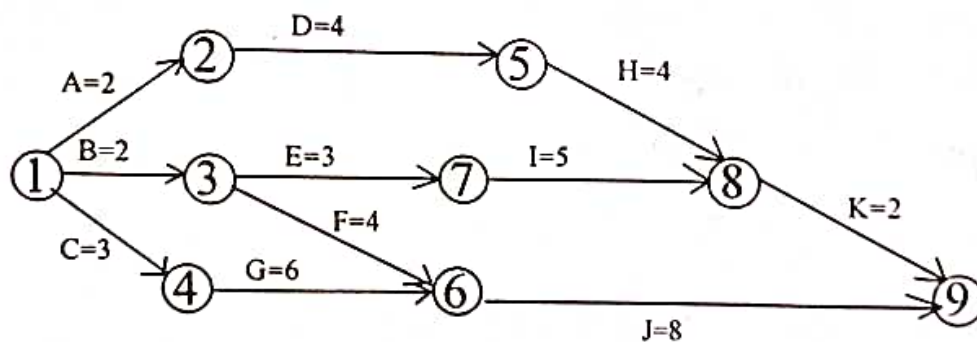
3. Explain the need of planning software projects. What are the broad activities that encompass software project planning ? 13
4. What is the importance of project integration management ? What are the important processes for project integration management ? Explain. 13

SECTION—C

5. What is process instrumentation in Software Project Management ? Discuss seven core metrics for project control and process instrumentation with suitable examples. 13
6. What do you understand by Work Breakdown Structure (WBS) ? Give difference between conventional and evolutionary WBS. In what ways may WBS be used as a key document to monitor and control a software project ? Explain. 13

SECTION—D

7. (a) What is project scheduling ? List and discuss the various project scheduling activities.
- (b) Define critical path analysis and project completion time for the following :



6,7

8. Discuss software project cost management and its importance. Explain the Constructive Cost Model (COCOMO) for estimating the software development cost with an example. 13

SECTION—E (Compulsory Question)

9. (a) Describe the principles of modern software management.
- (b) What is a checkpoint in a software project management ?
Illustrate a typical sequence of project checkpoints for a relatively large software project.
- (c) What is project organization ? Define matrix organization.
Discuss its merits and demerits.
- (d) What are different types of costs involved in a project ?

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