

1058

Bachelor of Computer Application  
Fourth Semester

BCA-401: Project Management and System Development (OLD)  
(Old Syllabus 2016-17)

Time allowed: 3 Hours

Max. Marks: 90

**NOTE:** Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I-IV.

x-x-x

**UNIT – I**

- I. a) A project is different from routine and regular activities. Draw a list of characteristics and distinguish the projects from other activities.
- b) What are the important phases of a project life cycle? Discuss each phase briefly with key issues involved in it. (9,9)
- II. a) What is project profitability? Explain the method of evaluation of project profitability.
- b) What is a 'Feasibility Report' and its primary objectives? What types of data is required for its preparation? (9,9)

**UNIT – II**

- III. a) Describe the concept of work break down structure and the role of multidisciplinary teams in planning project activities.
- b) Explain five distinct aspects which the Project Manager should consider when preparing a project communications plan. (9,9)
- IV. a) How do you measure performance against standards while controlling the projects?
- b) What are the factors, which control the cost of a project? Discuss briefly on each. How does time over-run affect the project cost? (9,9)

**UNIT – III**

- V. a) Explain the role of Software Requirements Specification (SRS). What is the need to validate it? List characteristics of good quality SRS.
- b) Draw the Data Flow Diagram with different levels for withdraw and deposit of money in a bank. (9,9)

P.T.O.

(2)

VI. Write short notes on:-

- a) Data Dictionary and its importance in software project management
- b) Decision Support Software Tool and its need in project management (9,9)

UNIT – IV

VII. What are the commonly available project management software packages? Briefly describe the features of both licensed and open source Project Management Software (18)

- VIII. a) 'Detailed Project Report (DPP) forms the foundation on which the entire superstructure of the project is built — if it is weak, the project cannot withstand the turbulent times ahead. Bring out the dos and don'ts of a good DPR.
- b) List out three importance types of reports that need to be generated in a project. (9,9)

UNIT – V

IX. Attempt the following:-

- a) Bring out the responsibilities of project manager.
- b) What quality control methods are prevalent in project management?
- c) What are major global sources of project financing?
- d) Define Open Source Software.
- e) What is PERT?
- f) What is tautology in mathematical logic? (6x3)

x-x-x