(i) Printed Pages: 4] Roll No. ....

(ii) Questions : 9] **Sub. Code :** | 0 | 9 | 2 | 6 |

Exam. Code : | 0 | 0 | 3 | 0 |

Bachelor of Computer Applications 4th Semester Examination

1047

·PROJECT MANAGEMENT AND SYSTEM DEVELOPMENT
Paper : BCA-401

Time : 3 Hours]   **[Max. Marks : 90**

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

Section–A

1. (a) Highlight the key competencies of a Project Manager to successfully manage a project.

   (b) What are the important phases of project life-cycle ? Discuss.   9,9

2. (a) What are major global sources of project financing ? Discuss the major non-traditional source of long-term financing and explain their significance as a source of financing.

N–309   (1)   **Turn Over**

(b) What is Project Implementation Schedule (PIS) ?
How is it important ? What information is
required for preparing the PIS ?   9,9

Section–B

3. (a) What is Work Breakdown Structure (WBS) in
project management ? Give difference between
conventional and evolutionary WBS. List issues
related to conventional WBS.

(b) "The project environment artifacts evolve through
three discrete states." Explain.   9,9

4. (a) What are project performance indicators ? How
can project performance be improved ?

(b) What are essentials of cost control ? How can
a Project Manager ensure cost control in a
project ?   9,9

Section–C

5. (a) Explain principles of software requirements
analysis.

(b) Draw level 0 and level 1 data flow diagram for
library management system.   9,9

6. (a) What is Software Development Life Cycle (SDLC) ? Explain different phases of Software Development Life Cycle (SDLC).

(b) What is Data Dictionary ? Explain the kinds of data available in data dictionary.   9,9

Section–D

7. Define Open Source Software (OSS). How is OSS different from licensed software ? Compare and contrast the features of project management software from licensed category and open source category.   18

8. (a) "Effective report writing makes use of meaningful illustrations." Comment.

(b) What is the significance and importance of report writing in project management ? Describe the nature, formate and structure of reports.   9,9

Section–E

(Compulsory Question)

9. (i) What is project profitability ?

(ii) Differentiate between technical and economic feasibility of a project.

N–309   (3)   Turn Over

(iii)   What is Project Performance Management ?

(iv)   Justify the statement very briefly, "The greatest threat to the success of any project, especially IT projects, is a failure to communicate."

(v)   Explain the need of procedure manual in project management.

(vi)   Give definition of mathematical logic.

(vii)   What is meant by a decision support tool in management ?

(viii) When can you say that a project is a total success ?

(ix)   What is White-box testing ?   9×2=18