

Exam.Code:0999
Sub. Code: 7619

1129
M.E. (Computer Science and Engineering)
First Semester
Elective – I
CS-8106: Project Management

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Attempt the following:-

- a) How the terms project, product and process relate with each other? Discuss in brief.
- b) What is Parkinson's Law? Discuss in brief;
- c) What do you understand by the term *crash duration*? Discuss in brief.
- d) Differentiate between earned value and planned value.
- e) What do you understand by the term *resource loading* in Project Management? Discuss in brief. (5x2)

UNIT – I

- II.
 - a) How software projects can be categorized? Discuss different types and their characteristics.
 - b) What do you understand by the project control cycle? Discuss it with the help of a diagram. (2x5)
- III.
 - a) What typical issues and questions need to be considered during strategic assessment? Discuss.
 - b) What is Cash Flow Forecasting? What are its goals? What are the major cash flow forecasting challenges? Discuss. (2x5)
- IV.
 - a) How the choice of a particular process model is made under a project? What factors influence the choice? Discuss.
 - b) What are the general problems associated with over and under estimates? Discuss. (2x5)

P.T.O.

(2)

UNIT – II

- V. a) What is PERT in Project Management? How it can be used to calculate the amount of time it will take to finish a project? Discuss with the help of an example.
- b) What is the utility of Monte Carlo Analysis in Project Management? What are its benefits and limitations? Discuss. (2x5)
- VI. a) What do you understand by Resource Allocation in Project Management? What are the different issues and challenges associated with it? Discuss.
- b) What is Oldham- Hackman job characteristics model? What is its significance in Project Management? Discuss. (2x5)
- VII. Write notes on the following:-
- a) Change Control Management
- b) Managing Stress in Project Management (2x5)

x-x-x