

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA - SEMESTER- V EXAMINATION – SUMMER 2016**

**Subject Code:2650020****Date:11/05/ 2016****Subject Name: Software Project Management (SPM)****Time:10.30 AM TO 01.00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What is software project management? What are the categories of software projects? **07**  
 (b) Explain major activities carried out by a software manager. **07**
- Q.2** (a) How the feasibility of an individual project can be evaluated, discuss. **07**  
 (b) What is cash flow? How will you find the present value of future cash flow? **07**
- OR**
- (b) Explain COCOMO-II model in detail. **07**
- Q.3** (a) Discuss the three approaches to identifying activities. **07**  
 (b) Explain waterfall and spiral model and various activities in each phase. **07**
- OR**
- Q.3** (a) Explain the Oldhan-hackman job characteristics model. **07**  
 (b) Define stress. Give the difference between personal and organisational stress. **07**
- Q.4** (a) List the factors that are involved in making a team. Explain characteristics of team also. **07**  
 (b) Explain the process of prioritizing monitoring. Give example. **07**
- OR**
- Q.4** (a) Explain various issues to address in evaluating the risk before deciding to take up a project. **07**  
 (b) Explain how risks are handled in a project. Give example. **07**
- Q.5** (a) List down the typical term in a contract and explain them in detail. **07**  
 (b) Explain with an example how critical path can be identified in precedence networks. **07**
- OR**
- Q.5** (a) Define Software quality. Discuss the importance of software quality. **07**  
 (b) Discuss the techniques to help in enhancing software quality. **07**

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