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**MCA**  
**(SEM V) ODD SEMESTER EXAMINATION 2016-17**  
**SOFTWARE PROJECT MANAGEMENT**

Time: 3Hrs.

MM: 100

Note: Attempt **all** questions.

1. Answer any **two** parts: (10×2=20)
- a) What do you mean by a software project? Discuss the characteristics of software project that makes it different from any Engineering project?
  - b) What do you mean by the software project scope? Explain with some suitable example. Also discuss the various ways of classifying the software projects.
  - c) Write short notes on the following:
    - (i) Software Project Spectrum.
    - (ii) Software Project Organization Structure.
2. Answer any **two** parts: (10×2=20)
- a) What do you mean by work break down structure? Discuss various types of work break down structures.
  - b) What do you mean by a network diagram? Describe any one type of network diagram with suitable example.
  - c) (i) What do you mean by Project evaluation? Discuss it with suitable example.  
 (ii) Differentiate between strategy assessment and technical assessment.
3. Attempt any **two** parts: (10×2=20)
- a) What do you mean by cost benefit analysis? Why it is required? How cost benefit analysis is done for any project? Discuss with example.
  - b) What do you mean by project scheduling? Discuss various steps of project scheduling with an Example.
  - c) Explain the following with examples:
    - (i) Pair Programming.
    - (ii) Schedule Performance Index.
4. Attempt any **two** parts: (10×2=20)
- a) What do you mean by quality software? What are the parameters of quality software? What is the impact of software quality on software project management? Explain.
  - b) (i) Write a short note on software quality assurance (SQA)  
 What do mean by product quality management? Discuss.
  - c) Discuss ISO 9126 standards. How these standards affect the quality of software and the software project management.

5. Answer any **two** parts:

(10×2=20)

- a) What do you mean software configuration management? Discuss various configuration items and tasks.
- b) Describe risk management process in detail.
- c) Explain the following with examples:
  - (i) CASE Tool.
  - (ii) Managing Control.

labhayaip.in