

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 2153

Roll No.

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M.C.A.

(SEM. V) ODD SEMESTER THEORY
EXAMINATION 2010-11

SOFTWARE PROJECT MANAGEMENT

Time : 3 Hours

Total Marks : 100

Note :— Attempt all questions.

1. Answer any two parts : (10×2=20)
 - (a) Why software management is required ? Discuss the various steps of project management cycle in detail.
 - (b) (i) Write a short note on the vision and scope document.
(ii) What do you mean by management spectrum ? Describe with suitable example.
 - (c) (i) Write a short note on COCOMO model. Why is it used ?
(ii) Describe project management cycle in brief.
2. Answer any two parts : (10×2=20)
 - (a) Write a short note on the following :
 - (i) Product life cycle and project life cycle
 - (ii) Various project scheduling objectives.
 - (b) Define the term work breakdown structure (WBS). Describe various types of WBS.
 - (c) (i) Define PERT. Why it is used ? Discuss with example.
(ii) Discuss various project elements.

3. Answer any two parts : (10×2=20)
- (a) Why software review is required ? Discuss various methods for software project review. Explain with suitable example.
 - (b) (i) Write a short note on pair programming
(ii) Describe project monitoring and control.
 - (c) What do you mean by earned value analysis ? What are various types of earned value indicators ? Describe any two earned value indicators with suitable examples.
4. Answer any two parts : (10×2=20)
- (a) Define software quality. Discuss various software quality attributes. Also discuss statistical quality assurance.
 - (b) (i) Differentiate between program verification and program validation with suitable example.
(ii) How black box testing is different from white box testing ? What is the objective of each ?
 - (c) Define cyclomatic complexity. What is the significance of it ? How cyclomatic number is calculated ? Discuss with some example.
5. Answer any two parts : (10×2=20)
- (a) Why CASE is required ? Explain. Describe any CASE tool in detail.
 - (b) Discuss the following with example :
 - (i) Cost benefits analysis
 - (ii) Software configuration items and tasks.
 - (c) Write short notes on the following :
 - (i) Change request management
 - (ii) Risk monitoring.