

(6 Pages)

Reg. No. :

Code No. : 8062

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M.C.A. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2021

Third Semester

Computer Applications

Elective — SOFTWARE PROJECT MANAGEMENT

(For those who joined in July 2020 onwards)

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 1 = 10$ marks)

Answer ALL questions.

Choose the correct answers :

1. Which type of project plan describes the skills of the participants will be developed?
 - (a) Configuration management plan
 - (b) Staff development plan
 - (c) Maintenance plan
 - (d) Quality assurance plan

2. The net profit of a project is the differences between the _____ over the life of the project.
- (a) net cost and the total income
 - (b) total costs and the total income
 - (c) net profit and the total income
 - (d) total costs and the total expenditure
3. _____ methods break the product into small incremental builds.
- (a) Agile
 - (b) Extreme
 - (c) RAD
 - (d) Process model
4. _____ is an efficient framework within which you can develop software with teamwork.
- (a) Estimation
 - (b) Scrum
 - (c) COSMIC
 - (d) Organic mode
5. The abbreviation of PERT stands for _____
- (a) Program evaluation and review technique
 - (b) Program estimation and review technique
 - (c) Program evaluation and refer technique
 - (d) Programmed evaluation and review technique

6. _____ schedule indicating start and completion dates for each activity.
- (a) Activity
 - (b) Cost
 - (c) Resource
 - (d) Staff
7. Which one of the following is the simplest and oldest technique for tracking project progress?
- (a) Slip chart
 - (b) Ball chart
 - (c) Gantt chart
 - (d) Timeline
8. _____ is the discipline for systematically controlling the changes that take place during development.
- (a) Control chain
 - (b) Earned value analysis
 - (c) Software Configuration Management (SCM)
 - (d) Project tracking
9. _____ had a simple view about what motivated people at work – money.
- (a) Maslow
 - (b) Taylor
 - (c) Herzberg
 - (d) None of these
10. How many types of group responsibilities for ethical and professional concerns?
- (a) Four
 - (b) Two
 - (c) Three
 - (d) Six

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b). Each answer should not exceed 250 words.

11. (a) How does project management methodology differ for simple projects and complex projects?

Or

- (b) Explain in detail about strategic program management.

12. (a) Mention the various phases of software process model.

Or

- (b) Discuss about agile methods in detail.

13. (a) Write short notes on objectives of activity planning.

Or

- (b) Clarify the concept of risk identification.

14. (a) List the methods for assigning an earned value in earned value analysis.

Or

- (b) Discuss the steps in managing the contracts.

15. (a) How do you select the right persons for the job?

Or

- (b) What are the measures to reduce the disadvantages of group decision making?

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b). Each answer should not exceed 600 words.

16. (a) Describe about activities covered by the software project management with example.

Or

- (b) Explain the step-wise project planning in detail with suitable flowchart.

17. (a) Discuss in detail about software process and process models.

Or

- (b) What are effort and cost estimation techniques? Analyze the importance of COCOMO model for software estimation.

18. (a) Analyze the different network planning models. Give example for precedence construction.

Or

- (b) Write a brief notes on resource allocation and cost schedule.

19. (a) Summarize the framework for management and control in detail.

Or

- (b) Give in detail about the importance of cost monitoring.

20. (a) Discuss the organizational behavior with example.

Or

- (b) How to deal with ethical and programming concerns in software project management?
