

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc (SS) DEGREE EXAMINATION MAY 2025  
(Sixth Semester)

Branch – SOFTWARE SYSTEMS (Five years Integrated)

**DISCIPLINE SPECIFIC ELECTIVE- II: SOFTWARE PROJECT  
MANAGEMENT**

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 What is the first step in project planning?  
(i) Select project (ii) Select project objectives  
(iii) Select project scope (iv) Select project design
- 2 What is the purpose of Gantt chart?  
(i) Time Study (ii) Motion Study  
(iii) Project Scheduling (iv) Project Scope
- 3 What is the responsibility of risk Management?  
(i) Identifying Potential Risks (ii) Identifying objectives  
(iii) Identifying Developer (iv) Project team
- 4 Which of the following task is not a part of Software Configuration Management?  
(i) Change control (ii) Version control  
(iii) Risk management (iv) Configuration status report
- 5 Which is not an important factor in selecting software project management tool?  
(i) People (ii) Process  
(iii) Product (iv) Popularity

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Draw and describe the flow chart for step wise project planning.  
OR  
b Mention some of the problems with software projects.
- 7 a Elucidate about network planning model activity-on-arrow network.  
OR  
b What is the method name to identify critical activities of the network & Explain them.
- 8 a Explain how will you manage and organize project teams in software environments?  
OR  
b Write about different tools used for scheduling resources while developing software.

Cont...

- 9 a Describe the basic functions and responsibilities of configuration management.  
OR  
b Discuss about the standards of the configuration management.
- 10 a Outline how the collaboration and task management will be done by using any project management tool.  
OR  
b Discuss how project management tool is used for organizing teams in small projects?

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Describe the following a. COCOMO Model b. Function point Analysis.  
OR  
b Discuss about the categories of resources in software projects?
- 12 a Illustrate the steps involved in CPM with forward pass and backward pass with neat diagram.  
OR  
b Explain the methods to shorten the project duration in software environment.
- 13 a Elucidate how to monitor and control risk management?  
OR  
b Explain how will you handle large project teams in software environments?
- 14 a Outline the prototyping-Models of prototyping in software project management.  
OR  
b Summarize the process of software configuration management in detail.
- 15 a Explain Nifty software project management tool in detail.  
OR  
b Summarize how to organize the process of planning, executing, and overseeing software projects using any one popular software project management tool.

Z-Z-Z

END