

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023  
(Fifth Semester)

Branch - COMPUTER SCIENCE WITH DATA ANALYTICS

DISCIPLINE SPECIFIC ELECTIVE – I :  
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 The process each manager follows during the life of a project is known as \_\_\_\_\_  
(i) project management life cycle (ii) manager life cycle  
(iii) project manager (iv) none of the above
- 2 The spiral model was the first time proposed by  
(i) IBM (ii) Barry Boehm  
(iii) Pressman (iv) Royce
- 3 Software project management begins with a set of activities that are collectively called \_\_\_\_\_.  
(i) Project evaluation (ii) Project Management  
(iii) Project planning (iv) Project maintenance
- 4 Project size is another important factor that can affect the \_\_\_\_ and \_\_\_\_ of estimates  
(i) Accuracy, efficacy (ii) System, maintenance  
(iii) Development, integration (iv) Efficient, effective
- 5 Project risks threaten the \_\_\_\_  
(i) Project deployment (ii) Project monitoring  
(iii) Project Development (iv) Project plan

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Narrate the Importance of software project management.  
OR  
b Outline steps of Evaluation of individual projects.
- 7 a Explain how to execute plan & lower levels of planning.  
OR  
b Describe about project scope & objectives.
- 8 a Sketch the problems with over and under estimates.  
OR  
b Describe about Cost estimation.

Cont...

- 9 a Explain about forward pass and the backward pass.  
OR  
b Explain the various categories of Risk.
- 10 a Explain about Nature of resources in resource allocation.  
OR  
b How to select a right person for a job in software environment?

**SECTION -C (30 Marks)**

Answer ALL questions  
ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Discuss the ways of categorizing software projects.  
OR  
b Enumerate about Managing the allocation of resources within programs in program management.
- 12 a Discuss the following i) Analyze project characteristics ii) Identify monitoring project and activities?  
OR  
b Elucidate about waterfall model and Agile model.
- 13 a Examine the various techniques used for Software effort estimation.  
OR  
b Elucidate about Top down approach and parametric models.
- 14 a Discuss about i) Shortening the project duration ii) Identifying the Critical activities.  
OR  
b Discuss about i) PERT Technique ii) Critical chain concept.
- 15 a Examine about organizational behavior in software environment.  
OR  
b Highlight the ethical & professional concerns in managing people in software environment.

Z-Z-Z

END