

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024
(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 Which of the following activities of a Generic Process framework provides a feedback report?
(i) Planning (ii) Deployment
(iii) Communication (iv) modeling & construction
- 2 The spiral model has two dimensions namely __ and __
(i) radial, angular (ii) diagonal, perpendicular
(iii) radial, perpendicular (iv) diagonal, angular
- 3 The objective of software project planning is to
(i) make use of historical project data
(ii) convince the customer that the project is feasible
(iii) enable a manager to make responsible estimates of cost and schedule
(iv) determine the probable profit margin prior to bidding on a project
- 4 Expand COCOMO
(i) Complete Cost Estimation Model
(ii) Collaborative Cost Estimation Model
(iii) Construction Cost Estimation Model
(iv) Conditional Cost Estimation model
- 5 Risk identification is a systematic attempt to specify threats to the _____.
(i) Project Plan (ii) Project Hierarchy
(iii) Project integration (iv) Project Maintenance

SECTION - B (15 Marks)

Answer ALL Questions

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

- 6 a Discuss on Software project versus other type of project.
OR
b Write about plan & methodologies in SPM.
- 7 a Describe identify project Architecture.
OR
b Inscribe a note on structure versus speed of delivery.
- 8 a What are the basic for software estimating.
OR
b Illuminate on Expert judgement.

Cont...

- 9 a List out the objectives of activity planning.
OR
b How to manage the risk?
- 10 a Discuss on publishing resource scheduling.
OR
b Explain about creating critical path.

SECTION -C (30 Marks)

Answer ALL questions
ALL questions carry EQUAL Marks (5 x 6 = 30)

- 11 a Define Stakeholders. Describe on setting objectives & milestones of SPM.
OR
b What are the cost benefit evaluation techniques? Explain in detail.
- 12 a Explain about Step wise project planning.
OR
b What is software prototyping and what are the ways of categorizing prototypes?
- 13 a Explain about where estimation done and what are the problems with over and under estimates.
OR
b Discuss on bottom up approaching in software effort estimation with example.
- 14 a Explicate network planning models & formulation of network model.
OR
b Enlighten about A framework for dealing with risk.
- 15 a Describe about Cost schedules and Scheduling sequence.
OR
b Discuss on the Oldham Hackman job characteristics Model.

Z-Z-Z

END