

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BCA DEGREE EXAMINATION MAY 2022
(Fourth Semester)**

Branch – COMPUTER APPLICATIONS

SOFTWARE PROJECT MANAGEMENT

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

- 1 Which of the following process contain design and implementation sub phases?
 (i) Planning (ii) Designing
 (iii) Feasibility study (iv) Project execution
- 2 Which method consists of a set of project management standard sponsored by CCTA?
 (i) PRINCE 2 (ii) PRINCE
 (iii) STEPWISE (iv) PRINCE 1
- 3 What is the other name for ROI?
 (i) Accounting rate of return (ii) Accounting return of rate
 (iii) Accounting investment (iv) Accounting return
- 4 Define payback period.
 (i) Time taken to break even or pay back the initial investment
 (ii) Time taken to break even or pay back the full investment
 (iii) Time taken to break even the Project
 (iv) Time taken to break even the rate of interest.
- 5 Which of the following activity has zero duration?
 (i) Dangling (ii) Hammock
 (iii) Routine (iv) Float
- 6 How is risk exposure estimated?
 (i) RE = potential damage x Probability of occurrence
 (ii) RE = potential occurrence x Probability of damage
 (iii) RE = potential damage + Probability of occurrence
 (iv) RE = potential damage - Probability of occurrence
- 7 Who has the overall responsibility for ensuring satisfactory progress on a project?
 (i) Project team (ii) Project steering committee
 (iii) Finance committee (iv) Project approval committee
- 8 What is COTS software?
 (i) Customized off the shelf (ii) Customize off the share
 (iii) Contract off the shelf (iv) Contract off the share
- 9 When is a person turn between the demands of two different roles?
 (i) Role conflict is high (ii) Role conflict is low
 (iii) Risk conflict is high (iv) Risk conflict is low

Cont...

- 10 Which power is based on the personal attractiveness of the leader?
 (i) coercive (ii) legitimate
 (iii) expert (iv) referent

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a Explain the activities that will benefit from conventional project management.
 OR
 b Analyse the project characteristics of planning operation.
- 12 a Describe the steps in cost- benefit analysis.
 OR
 b Identify the use of a decision freeing risk analysis.
- 13 a Narrate the stages of creating a project schedule.
 OR
 b Distinguish between risk mitigation and reduction.
- 14 a Explain the stages on contract management.
 OR
 b Narrate the steps in change control procedure.
- 15 a Explain the Oldham – Hackman job characteristic model.
 OR
 b Discuss the types of organizational structure.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Outline the steps in stepwise planning activity with a neat diagram.
 OR
 b Summarize the activities of the software project management.
- 17 a Discuss the cost- benefit evaluation techniques.
 OR
 b Elucidate the process of risk identification and ranking.
- 18 a Discuss the formulation of a network model.
 OR
 b Summarize the approaches in the identification of risks.
- 19 a Discuss about earned value analysis.
 OR
 b Explain the types of contract.
- 20 a Discuss the models of motivation.
 OR
 b Highlight the basic steps of team development and the types of people needed in the team.