PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2025
(Fifth Semester)

Branch – COMPUTER SCIENCE WITH DATA ANALYTICS

MAJOR ELECTIVE COURSE – 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   Name the objective which is concrete and well defined.
   (i)   Specific   (ii) Measurable
   (iii) Achievable   (iv) Relevant

2   Which step of planning activity does recognizing product instance?
   (i)   Step 1   (ii) Step 2
   (iii) Step 3   (iv) Step 4

3   Mention the activity that takes action to the remedy hold-ups.
   (i)   Organizing   (ii) Monitoring
   (iii) Controlling   (iv) Innovating

4   Which risk is concerned with potential design, implementation, interface, testing and maintenance problems?
   (i)   Project risk   (ii) Technical risk
   (iii) Control risk   (iv) Business risk

5   Indicate the state where conflicts are largely settled and a feeling of group identity emerges.
   (i)   forming   (ii) storming
   (iii) norming   (iv) adjourning

SECTION - B (15 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks   (5 x 3 = 15)

6   a   Bring out the importance of software project management.
                           OR
    b   Classify the ways of categorizing software projects.

7   a   How to analyze project characteristics? Explain.
                           OR
    b   Compare structure vs speed of delivery.

8   a   Sketch about the basis of software estimate.
                           OR
    b   Summarize on expert judgement.

9   a   Explain about network planning models.

                  .OR

    b   State about risk management.

10   a   Organize on identifying resource requirements.

                OR

    b   How to provide instruction in the model methods? Explain.

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

11 a   Enumerate on evaluation of individual projects.

                OR

    b   Analyze about cost benefit evaluation techniques.

12 a   Highlight the steps to identify the project infrastructure.

                OR

    b   Compare waterfall and spiral model.

13 a   Discover on where estimates are done.

                OR

    b   Trace the importance of bottom up and top down approaches.

14 a   Justify about formulation of a network model.

                OR

    b   Discuss on applying the PERT technique.

15 a   Elaborate on cost schedules.

                OR

    b   How to identify a right person for a job? Point out.

Z-Z-Z   END