PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MSc(SS) DEGREE EXAMINATION MAY 2023
(Sixth Semester)

Branch – SOFTWARE SYSTEMS (Five Years Integrated)

DISCIPLINE SPECIFIC ELECTIVE – II
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   What is the first step in project planning?
(i) Analysis   (ii) Design   (iii) Coding   (iv) All of given

2   What limits the options of the project team?
(i) Constraints   (ii) Assumptions   (iii) Technology   (iv) Deliverables

3   _____ define testing procedures and certification process.
(i) Software Support   (ii) Software Development
(iii) Software Management   (iv) Software Testing

4   CMM stands for _____.
(i) Capability Maturity Model   (ii) Capacity Maturity Model
(iii) Customer Maturity Model   (iv) Common Maturity Model

5   COCOMO stands for _____.
(i) COnstructive COst Model   (ii) COnstructive COMM Model
(iii) COMMON COst Model   (iv) COnstructive COst METHOD

6   Risk must be considered in the _____ phase and weighed against the potential
benefit of the project's success in order to decide if the project should be chosen.
(i) completion   (ii) execution   (iii) planning   (iv) initiation

7   Project selection criteria are typically classified as _____.
(i) Financial and non-financial   (ii) Short-term and long-term
(iii) Strategic and tactical   (iv) Required and optional

8   What is the first step in developing a risk management plan?
(i) Analyse the risks.
(ii) Estimate the likelihood of the risks occurring.
(iii) Identify potential project risks.
(iv) Develop a risk mitigation plan.

9   The cost impact of a risk event occurring as a project proceeds through its life
cycle tends to _____.
(i) Slowly rise   (ii) Slowly drop
(iii) Drop sharply and then level out   (iv) Rise sharply and then level out

10   A good starting point for developing time and cost estimates is
(i) Past experience   (ii) Work packages
(iii) Task analysis   (iv) Time and motion studies

SECTION - B (25 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks (5 x 5 = 25)

11 a   Write short notes on problems in software project.
OR
   b   Discuss the function point Analysics in detail.

12 a   Summarize the sequencing and scheduling in detail.
OR
   b   Discuss the shorting the project duration.

13 a   What is mean by resource allocation? Explain with example.
OR
   b   Explain the software project survival in detail.

14 a   Explain the basic functions of configuration management.
OR
   b   Write a short note on Prototyping.

15 a   Explain the functions of project management tools.
OR
   b   Detail discussion about the advantages of management tools.

SECTION -C (40 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks
Question No.16 is Compulsory (5 x 8 = 40)

16   Discuss the COCOMO model for project estimation.

17 a   Explain the Network planning model with suitable example.
OR
   b   Discuss the Critical activities in project.

18 a   Explain the resource monitoring and controlling.
OR
   b   How to maintain huge projects? Explain the divide and conquer method.

19 a   Explain the standards of configuration management.
OR
   b   Discuss the models of Prototyping for configuration management.

20 a   Discuss any one project CASE study in detail.
OR
   b   Explain any one Project Management tool with example.

Z-Z-Z   END