20SSP43

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc(SS) DEGREE EXAMINATION MAY 2024
(Sixth Semester)

Branch – **SOFTWARE SYSTEMS (five year integrated)**

DISCIPLINE SPECIFIC ELECTIVE – II: 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 _____ include the salaries and other employment costs of the staff involved in the development project and all associated costs.
(i) Development costs (ii) Setup costs
(iii) Operational costs (iv) Miscellaneous costs

2 In a network model, time moves from _____.
(i) top to bottom (ii) right to left
(iii) left to right (iv) both (i) and (ii)

3 In leadership, _____ is the ability to force someone to do something by threatening punishment.
(i) reward power (ii) coercive power
(iii) legitimate power (iv) connection power

4 _____ method is commonly used in web development.
(i) Rapid throwaway prototyping (ii) Evolutionary prototyping
(iii) Incremental prototyping (iv) Extreme prototyping

5 ____ is a suite of cloud-based applications that includes Gmail, Google Drive, Google Docs, Google Sheets and Google Slides.
(i) Google Workspace (ii) Miro
(iii) Figma (iv) GanttPRO

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

6 a Analyze the commonly experienced problems with software projects.
OR
b Explain the COCOMO model for software estimation.

7 a With an example, discuss about sequencing and scheduling activities.
OR
b How will you shorten the project duration?

8 a Explain the nature of resource categories.
OR
b Illustrate the approaches for selecting the right person for the job as proposed by Taylor.

9 a Identify the benefits of software configuration management process.
OR
b Discuss the advantages of prototyping.

Cont...

10 a Explain the use of ClickUp software tool for project management.

OR

b State the capabilities of Smartsheet tool for managing software projects.

SECTION -C (30 Marks)

Answer **ALL** questions

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

11 a Assess the different steps in project planning.

OR

b With examples, interpret the different cost-benefit evaluation techniques.

12 a Construct a CPM network and explain the use of forward and backward pass.

OR

b Elucidate the network planning models and steps for formulating a network model.

13 a With an example, discuss the earned value analysis.

OR

b Analyze the different models of motivation.

14 a Determine the basic functions of software configuration management.

OR

b Categorize the different models of prototyping.

15 a Justify the use of Hive software tool for managing projects.

OR

b Recommend the application of Nifty as a project management tool.

Z-Z-Z END