



## Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

### M.Sc. DEGREE EXAMINATIONS, NOVEMBER - 2021

(For the candidates admitted from 2020 and onwards  
Under Outcome Based Education / CBCS)

**Branch: Computer Science with Data Analytics**

**Semester -III**

**Date & Session** : 10.02.2022 FN                      **Reg. No. of the Student** : \_\_\_\_\_  
**Time:** : 3 h                                              **Course Code** : 204DA2A3CC

**CORE : SOFTWARE PROJECT MANAGEMENT**

**Maximum: 100 Marks**

#### SECTION-A

**Answer ALL questions. Question Carries SIX marks**

**(5×6=30 Marks)**

1. a) Explain the project life cycle.  
(OR)  
b) Outline the questions to be considered in strategic assessment.
2. a) Summarize the types of software prototyping.  
(OR)  
b) Explain the modes in Constructive Cost Model.
3. a) Illustrate Barry Boehm risk engineering structure for risk management.  
(OR)  
b) Outline the categories of factors used in risk identification.
4. a) Demonstrate Gantt chart used in visualizing the progress in project.  
(OR)  
b) Explain the types of contracts in project monitoring.
5. a) Infer the importance of software quality.  
(OR)  
b) Relate the quality factors considered in software quality criteria.

#### SECTION-B

**Answer ALL questions. Question Carries TEN marks**

**(5×10=50 Marks)**

6. a) List the steps involved in project planning.  
(OR)  
b) Classify the cost-benefit evaluation techniques.
7. a) Contrast the top-down and bottom-up effort estimation techniques.  
(OR)  
b) Examine the advantages and disadvantages of incremental delivery approach process.

8. a) Elucidate the forward pass in CPM.

**(OR)**

b) Prepare a traffic light assessment representation of risk reporting.

9. a) Survey the stages in contract management.

**(OR)**

b) Categorize the main sections in requirement's document in contract management.

10. a) List the quality factors involved in product operation and product revision.

**(OR)**

b) Inspect the software quality characteristics and sub-characteristics in ISO 9126.

### **SECTION-C**

**Compulsory Question : Question Carries *TWENTY* marks**

**(1×20=20 Marks)**

11. Explain the cumulative expenditure tracking techniques in earned value method

i) Amanda's baseline budget calculation

ii) Earned value tracking chart.

\*\*\*\*\*