

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA INTEGRATED– SEMESTER 9- EXAMINATION –WINTER-2022**

**Subject Code: 2698604****Date: 30/12/2022****Subject Name: Project Management****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Do as directed **03**  
 i) Define Terms (ANY THREE):  
     i) XP ii) Scope Creep iii) Post mortem review iv) EV  
 ii) What is the purpose of Work Breakdown structure? Unit-6 **02**  
 iii) What is the importance of MOV? **02**  
 (b) Develop a Project charter for eCommerce web application. **07**
- Q.2** (a) i) Discuss any two factors for project success and failure. **04**  
 ii) Discuss any three attributes of project. **03**  
 (b) Explain Project estimation Terms: i) Guesstimating ii) Delphi technique iii) time boxing, iv) top-down estimation v) bottom down estimation vi) LOC vii) Function Point. **07**  
**OR**  
 (b) Explain COCOMO estimation model. Unit-6 **07**
- Q.3** (a) What is Business case? Explain how to develop business case. Unit-2 **07**  
 (b) What is risk? Discuss various types of risks and risk identification techniques. **07**  
**OR**
- Q.3** (a) Define statement of work (SOW), Scope statement and scope boundary. Give one example of each with respect to an eCommerce web application. **07**  
 (b) Explain in brief Risk Management Process. **07**
- Q.4** (a) i) Differentiate between Verification and Validation **04**  
 ii) Explain using suitable example stake holder analysis. **03**  
 (b) What is project scheduling? Discuss steps for project scheduling development. **07**  
**OR**
- Q.4** (a) i) Explain Deliverable Definition Table (DDT) and Deliverable Structure Chart (DSC) using suitable example. **04**  
 ii) Differentiate between PLC and SDLC. Unit-2 **03**  
 (b) Write short Note: Quality plan Unit-10 **07**
- Q.5** (a) Discuss advantages and disadvantages of phased, parallel and direct cutover implementation approaches. Which is suitable for which type of project? **07**  
 (b) Discuss content of communication plan. Unit-9 **07**  
**OR**
- Q.5** (a) Discuss various processes associated with project closure to ensure that the project is closed in an orderly manner. **07**  
 (b) Compare Status Report, Progress Report and Forecast Report. **07**

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