

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER - IX EXAMINATION- SUMMER-2023

Subject Code: 2698604**Date: 20/06/2023****Subject Name: Project Management****Time: 02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

- Q.1** (a) Define Terms (any four): **08**
 i) AON, ii) Delphi technique, iii) MOV, iv) NGT, v) Balanced Scorecard
- (b) What is Project estimation? Explain COCOMO estimation model. Unit-6 **06**
- Q.2** (a) i) Discuss any four causes of project failure. **04**
 ii) Differentiate between PM and ITPM. Unit-1 **03**
- (b) List and explain content of Project Charter. Unit-3 **07**
- OR**
- (b) What is Business case? Why should an organization develop a business case? Unit-2 **07**
- Q.3** (a) Discuss various risk identification techniques. **07**
- (b) i) Explain Ishikawa/Fishbone diagram using suitable example. **04**
 ii) Compare top down and bottom up estimation approach. Unit-6 **03**
- OR**
- Q.3** (a) What is Risk? Why Risk Management is important for a Project? Unit-8 **07**
- (b) i) What is Statement of Work (SoW)? **04**
 ii) Explain Terms: Scope Creep, Scope Grope, Scope Leap Unit-5 **03**
- Q.4** (a) Please comment: An effective and efficient communication is vital to a project. Unit-9 **07**
- (b) Explain Deliverable Definition Table (DDT) and Deliverable Structure Chart (DSC) using suitable example. **07**
- OR**
- Q.4** (a) What is stakeholder? How and What types of information is provided to stakeholder? **07**
- (b) What is verification and validation? Which activities support validation and verification? **07**
- Q.5** (a) Describe the three approaches to implementing an information system. **07**
- (b) What are project metrics? Describe the qualities of a good project metric. Unit-9 **07**
- OR**
- Q.5** (a) What is the importance of a project closure? What is the purpose of project audit? Unit-11 **07**
- (b) Explain i) EV, ii) PV, iii) AC, iv) BAC, v) SPI, vi) CPI, vii) Burn Down Charts **07**
