

أسئلة الامتحانات الفصلية للعام الجامعي 2025-2026

H13

القسم: Data Sciences	اسم المقرر: Project Management
الفصل: Fourth	اسم الأستاذ: Kassem Rammal
الدورة: First	مدة الامتحان: 120 minutes
السنة: Second	لغة الامتحان: English

Part A: Multiple Choice (2 marks each)

Choose the correct answer:

1. A project is best defined as:
 - A. A routine activity
 - B. A unique and time-limited activity
 - C. A permanent process
 - D. An ongoing business operation
2. Which of the following is NOT a project constraint?
 - A. Cost
 - B. Scope
 - C. Profit
 - D. Time
3. The traditional measure of project success includes:
 - A. Customer happiness only
 - B. Team satisfaction
 - C. Time, cost, and scope
 - D. Number of workers
4. Which phase comes first in the project life cycle?
 - A. Planning
 - B. Closing
 - C. Initiation
 - D. Execution
5. A stakeholder is:
 - A. Only the project manager
 - B. Anyone affected by or able to affect the project

- C. Only the customer
 - D. Only the sponsor
6. What is the main purpose of stakeholder management?
- A. Reduce costs
 - B. Eliminate risks
 - C. Engage stakeholders and manage expectations
 - D. Build products
7. Which tool helps classify stakeholders based on power and interest?
- A. Gantt chart
 - B. Stakeholder register
 - C. Power/interest grid
 - D. WBS
8. Organizational culture refers to:
- A. Company **profits**
 - B. Shared beliefs, values, and behaviors
 - C. Only communication style
 - D. Project budget
9. Which is NOT a conflict resolution technique?
- A. Avoidance
 - B. Collaboration
 - C. Delegation
 - D. Compromise

Part B: Case Study Questions (20 marks each)

Case Study 1: Website Development Project

A small company wants to build a new website.

The project has a deadline of 3 months and a fixed budget. A project manager is assigned, and a team of developers and designers is hired.

Questions:

1. Explain why this is considered a project.
2. Identify two project constraints in this case.
3. Which phase of the project life cycle is the team currently in when hiring developers?
4. Give one example of a project management skill needed here.
5. What would define project success in this case?

Case Study 2: International Project Team

A company is managing a global project with team members from different countries. Some members communicate directly, while others prefer formal communication. Conflicts arise due to misunderstandings. Stakeholders include clients, government regulators, and suppliers.

Questions:

1. Identify two stakeholders in this case.
2. Explain one cultural challenge affecting the team.
3. Suggest one conflict resolution approach.
- ④ Why is stakeholder management important here?
- ⑤ Give one strategy to improve communication.
- ⑥ Explain how a project manager can move a stakeholder from resistant to supportive.

Part D: Advanced Optimization Models (14 marks each)

- I. Consider the transportation problem given below. Solve this problem by Vogel's approximation method.

Origin	Destination			Supply
	D ₁	D ₂	D ₃	
O ₁	16	12	10	15
O ₂	14	7	11	25
O ₃	16	8	20	15
O ₄	2	20	4	5
Demand	30	20	10	

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- II. Solve the assignment model given below using the Hungarian method:

		Machine			
		M ₁	M ₂	M ₃	M ₄
Worker	W ₁	6	9	8	1000
	W ₂	15	3	7	8
	W ₃	2	6	9	12
	W ₄	2	5	7	14

III. Find the critical path, project duration, and timing diagram for the following project:

