Kingdom of Saudi Arabia
Ministry of Education
College of Computer
Department of information technology

المملكة العربية السعودية
وزارة التعليم
كلية الحاسب
قسم تقنية المعلومات

Course Code and Name: IT352 تحليل وتصميم نظم المعلومات

MID Exam

term : 471

Duration: 1 hour

Student Name:	Student ID:	S.N

Total Marks /20

The exam starts here

Question 1 (5 pts) answer this questions were true or false :

1-SDLC waterfall allows frequent backtracking between durations. (✗)
2-Object-Oriented Analysis and Design (OOAD) is based on objects that share attributes and behaviors of real-world entities. (✓)
3-Value chain analysis helps to evaluate where value is added and costs are incurred. (✓)
4-Gantt chart shows dependencies but doesn't show slack or overlap time. (✗)
5- Incremental commitment reviews the project after each phase to decide whether to continue or revise. (✓)

Question 2 (5 pts) MCQ - Answer this multiple-choice question.

1- Which of the following is the first phase in the SDLC?
A. Analysis
B. Planning
C. Design
D. Implementation

2- Which one of these is an IS Plan Component ?
A. Describe specific programming languages used in the system.
B. Define database table structures.
C. Briefly describe mission, objectives, and strategy of the organization.
D. Specify network hardware requirements.

3- Which of these is one of Agile methodology's key principles?
A. Fixed and detailed documentation before starting development.
B. Self-adaptive process
C. Primitive and not adaptive process.
D. Process that ignores user feedback.

A standard form for requesting or proposing systems development work within an organization is called:

A. System Design Document (SDD)

B. System Requirement Specification (SRS)

C. System Service Request (SSR)

D. Software Project Proposal (SPP)

5. In project management, the critical path is...

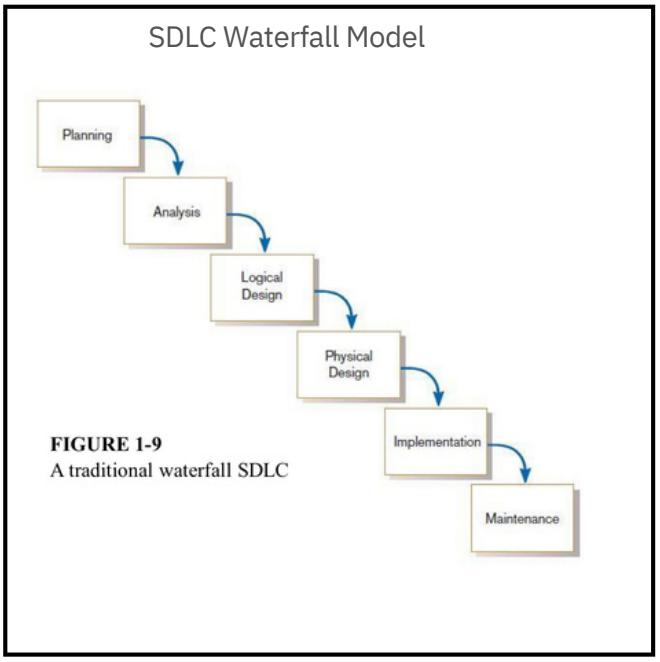
A. The path with no slack time

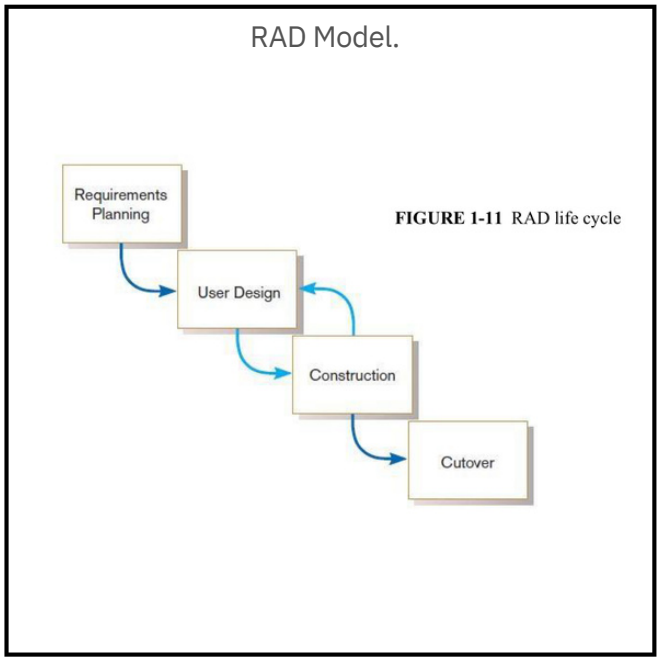
B. The path that has the most resources.

C. The shortest time a project can be completed.

D. The path with optional tasks.

Question 2 (4 pts) Draw and label the SDLC Waterfall Model and the RAD Model.





Question 3 (6 pts) Answer this essay question in detail.

1. What do Gantt Chart and Network Diagram do in Project Planning? What is the difference between them? (2 pts)

Gantt charts :

1.Show task durations.

2. Show time overlap.

3. Show slack time in duration.

Network diagrams:

1.Show task dependencies.

2. Do not show time overlap, but show parallelism.

3. Show slack time in boxes.

2. What is the role of a Project Manager? And skills that a person should have to be an effective Project Manager? (2 pts)

systems analyst who is responsible for initiating, planning, executing, and closing down a project.

diverse set of skills : management, leadership, technical, conflict management, and customer relationship

3- explain Top-Down and Bottom-Up Planning approaches? What is the difference between ? (2 pts)

Top-down planning

gain a broad understanding of information system needs of the entire organization and offers:

- Broader perspective or viewpoint.
- Improved integration or incorporation.
- Improved management support.
- Better understanding

Bottom-up planning

Identifies IS development projects based on solving specific operational business problems or taking advantage of specific opportunities.

- Can be faster and less costly, so may be beneficial in certain circumstances.