

King Saud University IS240: Mid Term 1 Exam – Second Semester		24/12/2009
Duration: 1h 30 minutes		
Student Name	Student Id	Section

**Part 1 (15 marks): The Systems Development Environment**

◆ **Question 1 (10 marks):** From the following key terms, match each of the key terms below with the definition that best fits it.

- |  |   |  |
|--|---|--|
| 1. Systems Planning and Selection          | 6. Management Information Systems (MIS) | 11. Transaction Processing Systems (TPS) |
| 2. System                                  | 7. Agile Methodologies                  | 12. Case Tools                           |
| 3. Logical design                          | 8. RAD                                  | 13. System Implementation                |
| 4. Information Systems Analysis and Design | 9. SDLC                                 | 14. Software Engineering Process         |
| 5. Application software                    | 10. Physical design                     | 15. Cohesion                             |

	Question	Answer
1	Converts raw data from transaction processing system into meaningful form	
2	A process used to create an information system	
3	An interrelated set of business procedures used within one business unit working together for a purpose.	
4	Automate handling of data about business activities	
5	Utilizes prototyping to delay producing system design until after user requirements are clear	
6	Extent to which a subsystem performs a single function	
7	A method used by companies to create and maintain systems that perform basic business functions	
8	Identification of need and investigation and determination of scope	
9	Automated software tools used by systems analysts to develop information systems	
10	Self-adaptive development process	

◆ **Question 2 (5 marks):** Give five sources of software

- .....
- .....
- .....
- .....
- .....

**Part 2 (15 marks): Systems Planning and Selection**

◆ **Question 1 (5 marks) :** Give five factors for selecting development projects

- .....
- .....
- .....
- .....
- .....

◆ **Question 2 (10 marks) :**

1. Here are some examples of intangible benefits :
  - Increased organizational flexibility
  - Increased speed of activity
  - Error reduction
  - Promotion of organizational learning and understanding
  - Cost reduction and avoidance
2. Top-Down identification of projects
  - Focus is on specific needs of organization
  - Focus is on global needs of organization
  - Focus is on information technology
  - Focus is on Customers
  - Bottom-up identification of projects
  - Reflects overall goals of the organization
  - Don't reflect overall goals of the organization
3. Tangible benefits
  - can be measured easily
  - can't be measured easily
  - can't be measured at all
4. Baseline Project Plan (BPP) encompasses
  - Scope
  - Key stakeholders' project role and responsibilities
  - Costs
  - Resources
  - Project objectives and description
  - Risks
  - Key assumptions or approach
  - Signature section for key stakeholders
  - Benefits
5. One-Time Costs are
  - associated with project maintenance
  - associated with project start-up, initiation and development
  - associated with on-going use of the system
6. The project charter is
  - prepared for external stakeholders only
  - prepared for internal stakeholders only
  - prepared for external and internal stakeholders
7. Primary deliverable of identifying and Selecting phase is :
  - a database
  - an application software
  - a schedule of specific IS development projects
  - the list of needs
8. Projects are identified by
  - ..... management
  - ..... committee
  - .....departments
  - Development .....
9. Project Feasibility categories are :
  - .....
  - .....
  - .....
  - .....
  - .....