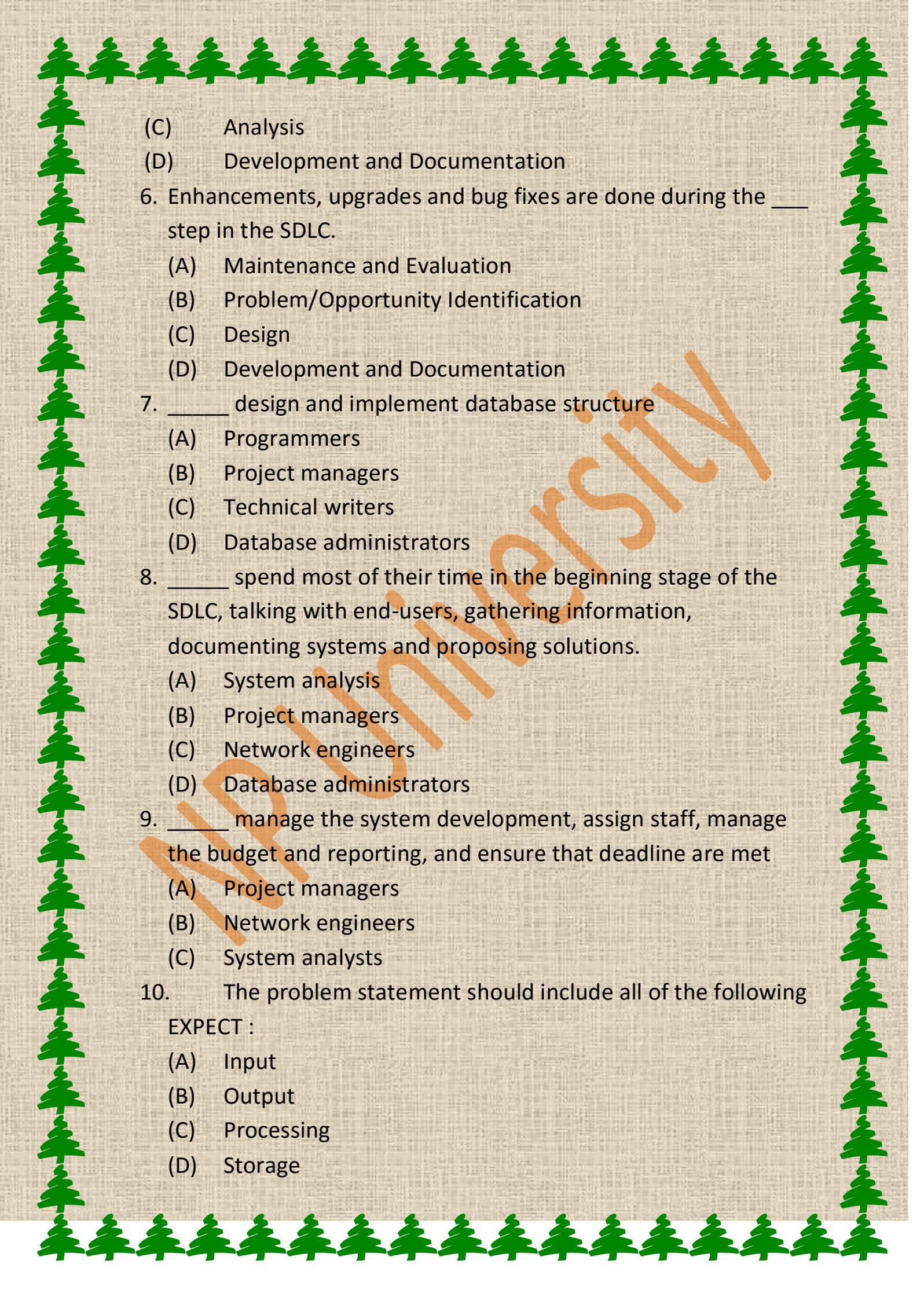
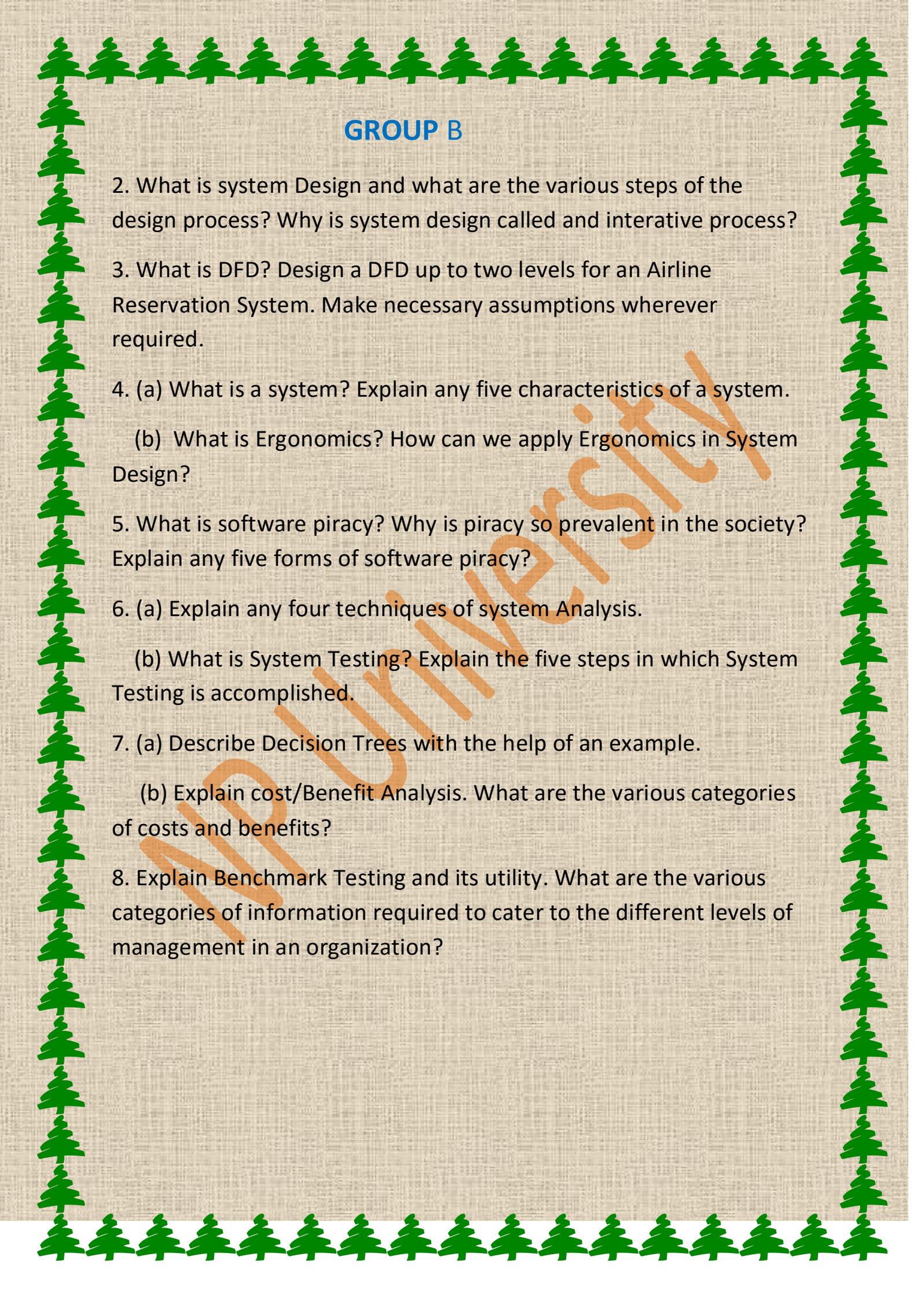


2011

GROUP A

1. The first step in the systems development life cycle(SDLC) is:
 - (A) Analysis
 - (B) Design
 - (C) Problem Identification
 - (D) Development and Documentation
2. The organized process or set of steps that needs to be followed to develop an information system is known as the:
 - (A) Analytical cycle
 - (B) Design cycle
 - (C) Program specification
 - (D) System development life cycle
3. The make-or-buy decision is associated with the ____ step in the SDLC:
 - (A) Problem/Opportunity Identification
 - (B) Design
 - (C) Analysis
 - (D) Development and Documentation
4. In the Analysis phase, the development of the _____ occurs, which is a clear statement of the goals and objective of the project.
 - (A) Documentation
 - (B) Flow chart
 - (C) Program Specification
 - (D) Design
5. Actual programming of software code is done during the ____
 - (A) Maintenance and Evaluation
 - (B) Design

- 
- (C) Analysis
(D) Development and Documentation
6. Enhancements, upgrades and bug fixes are done during the ____ step in the SDLC.
- (A) Maintenance and Evaluation
(B) Problem/Opportunity Identification
(C) Design
(D) Development and Documentation
7. ____ design and implement database structure
- (A) Programmers
(B) Project managers
(C) Technical writers
(D) Database administrators
8. ____ spend most of their time in the beginning stage of the SDLC, talking with end-users, gathering information, documenting systems and proposing solutions.
- (A) System analysis
(B) Project managers
(C) Network engineers
(D) Database administrators
9. ____ manage the system development, assign staff, manage the budget and reporting, and ensure that deadline are met
- (A) Project managers
(B) Network engineers
(C) System analysts
10. The problem statement should include all of the following EXCEPT :
- (A) Input
(B) Output
(C) Processing
(D) Storage



GROUP B

2. What is system Design and what are the various steps of the design process? Why is system design called and interative process?
3. What is DFD? Design a DFD up to two levels for an Airline Reservation System. Make necessary assumptions wherever required.
4. (a) What is a system? Explain any five characteristics of a system.
(b) What is Ergonomics? How can we apply Ergonomics in System Design?
5. What is software piracy? Why is piracy so prevalent in the society? Explain any five forms of software piracy?
6. (a) Explain any four techniques of system Analysis.
(b) What is System Testing? Explain the five steps in which System Testing is accomplished.
7. (a) Describe Decision Trees with the help of an example.
(b) Explain cost/Benefit Analysis. What are the various categories of costs and benefits?
8. Explain Benchmark Testing and its utility. What are the various categories of information required to cater to the different levels of management in an organization?