

Practise Test 2

These questions are a guide to the type of questions that may appear in the final examinations (Summer or Autumn). They are a source of practice and no inference should be taken that similar questions may appear.

Q.1

Explain the difference, using examples, between Data and Information. Describe the general characteristics / qualities of information.

Q.2

A company called “Wedding Catering Limited” offer to give the people who are getting married, a variety of choices, concerning their wedding catering. This can include starters, main courses, sweets, drinks, flowers on the tables, napkins, etc. They have a database of services that they provide. The people who will be organising their weddings phone the company to obtain the different services. The company will ask these people for the following information: Name, Address, Telephone Number and Email.

- (a) Can you think of eight other pieces of information that the company should ask these people and place in a database form to help obtain appropriate services. Give a reason for every new piece of information you think would be relevant.
- (b) When you have all the relevant information, design the database Form on a blank page, showing/detailing all the features that the input operator would see if she was looking at the screen. Note:- this should include information, instructions, questions, fonts, sizes, layout, etc.
- (c) Using the Form to help you, briefly design a database structure (structure only - no records) that would enable relevant data to be placed into a database.
- (d) Using the Form design a report so that it is able to show what the people requested – including things that they didn’t want (Use 0).

Q.3

Briefly discuss any two of the following:

- (a) Transaction Processing Systems
- (b) Office Automation Systems
- (c) Management Information Systems
- (d) Decision Support Systems
- (e) Executive Information Systems
- (f) Enterprise Resource Planning Systems

Q.4

(a) Discuss the System Development Lifecycle (SDLC). Describe the main phases in the SDLC.

(b) Describe the Feasibility Study Report and its contents.

(c) Systems Investigation is usually a fact-finding exercise using interviews, questionnaires, observation and document research. Describe how information can be gathered from each method. Give an advantage and disadvantage of each method.

Q.5

Describe what the following terms mean in a database

- (a) Record
- (b) Field
- (c) Form
- (d) Report
- (e) Macro
- (f) Combo Box
- (g) List Box
- (h) Option Button
- (i) Check Box

Q.6

(a) Explain the difference between Real Time and Batch Processing, giving examples.

Q.7

(a) What are viruses and what can organisations do to prevent infection by a virus.

(b) Provide an eight-character password and explain any features in it that make it a difficult password to crack.

(c) Accidental errors and deliberate fraud can cost organisations to lose money. What steps can an organisation take to reduce these security breaches?