1. A student is creating a test plan for a validation routine. The input to be tested is an integer between 1 and 10. Tick whether the following are the most appropriate examples of normal data, abnormal data or extreme data.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Normal****(✓)** | **Abnormal****(✓)** | **Extreme****(✓)** |
| one |  |  |  |
| 4 |  |  |  |
| 10 |  |  |  |
| 3.2 |  |  |  |

 [3]

1. A manager has employed a systems analyst who will carry out research into the current system

by examining existing documentation and completed questionnaires from staff.

One item of information that the systems analyst will need to identify is problems with the

current system.

State three other items of information that the systems analyst will need to identify.

1 ........................................................................................................................................

2 ........................................................................................................................................

3 ........................................................................................................................................

[3]

1. During the analysis stage for a new computer system, the systems analyst could examine existing documents.

Name two other methods the systems analyst could use to research the current system. Give one benefit and one drawback of each.

Method 1................................................................................................................................................

Benefit...................................................................................................................................................

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Drawback..............................................................................................................................................

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Method 2................................................................................................................................................

Benefit...................................................................................................................................................

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Drawback..............................................................................................................................................

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[6]

1. A systems analyst is creating a new database for a shop to store the details of its mobile (cell) phones. Part of the design of this database will involve the identification of suitable validation checks.

Below is a list of some of the data to be included in the database.



1. For the following field write down the most appropriate validation check.

ID\_number

...................................................................................................................................................

..............................................................................................................................................[1]

1. Design a screen input form which would be used to input data for one mobile (cell) phone,

using all the fields shown in the example data.

In your answer include appropriate spacing for each field, and navigational aids.

[5]

1. Some computers have touch screens

Describe three benefits of using a touch screen

1……………………………………………………………………………………………………………..……………………………………………………………………………………………………………….

2……………………………………………………………………………………………………………..………………………………………………………………………………………………………………

3……………………………………………………………………………………………………………..…………………………………………………………………………………………………………….[3]

1. Some people use dialogue-based user interfaces to operate their car audio system.

Describe the benefits and drawbacks of using a dialogue-based user interface in this way

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…………………………………………………………………………………………………………………[4]

1. The internet contains three web development layers. One layer is the content layer. This layer is used to enter the content of a web page structure.

Name and describe two other web development layers.

Layer……………………………………………………………………………………………………………..Description…….………………………………………………………………………………………………..……………………………………………………………………………………………………………..…………………………………………………………………………………………………………………………Layer……………………………………………………………………………………………………………

Description……………………………………………………………………………………………………………..…….……………………………………………………………………………………………………….

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