

Part C

Number of questions: Two (02) essay questions

Mark allocation: 40

1. In interface designing, learnability, flexibility and robustness are the three (03) principles that support usability.
 - a. Define those three (03) principles.

(3 mark)
 - b. Synthesizability is one principle under learnability and honesty is a related principle of synthesizability.
 - i. Explain the term **honesty** with regard to synthesizability.
 - ii. Describe how a designer can achieve the honesty in interface designing with suitable examples.

(8 mark)
 - c. "The interface designers should design the systems for observability". Justify the statement using any three (03) related principles of observability.

(9 mark)

2. 'Ready to Read' is a public library situated in Badulla district. The librarian has decided to design a new web site for the library with an online registration process. The people live in Badulla district with a National Identity Card can request for the membership from the library. The registration fee for the membership is Rs.500 and the money should be deposited to the People's Bank for the account number, 1-0345-2345-556. A scanned copy of the payment voucher should be attached with the registration details.
 - a. Sketch the **online registration interface** that can be appeared in the library web site. You should use all the necessary tools in screen design and layout (Hint: One such tool is grouping of items).

(10 mark)
 - b. Justify the use of the tools that you have applied in your interface.

(10 mark)



45

10