



SE206.3: Human Computer Interaction (Model Paper)

This paper is a SAMPLE EXAM ONLY. It contains no questions from the actual final exam paper this is intended only as a guide to the style and format of the final exam paper.

Duration: Three Hours

Answer all Questions

Index:

Degree Program:

Instructions to Candidates

- 1) Answer all four(4) questions.
- 2) Time allocated for the examination is three (03) hours and 30 minutes (Including downloading and uploading time)
- 3) Weightage of Examination: 60% out of final grade
- 4) Download the paper, provide answers to the selected questions in a word document.
- 5) Please upload the document with answers (Answer Script) to the submission link before the submission link expires
- 6) Answer script should be uploaded in PDF Format
- 7) Under any circumstances E-mail submissions would not be taken into consideration for marking. Incomplete attempt would be counted as a MISSED ATTEMPT.
- 8) The Naming convention of the answer script – Module Code_Subject name_Index No
- 10) You must adhere to the online examination guidelines when submitting the answer script to N-Learn.
- 11) Your answers will be subjected to Turnitin similarity check, hence, direct copying and pasting from internet sources, friend's answers etc. will be penalized.

Case study

Covid-19 has made an huge impact on Sri Lankan education sector. ABC Global is an educational institute which provides primary education for kids, who are under 18 years old. Top management suggest that they need to develop an online platform to facilitate online teaching. They decided to get support from software company to develop the software.

Question 1 :

- 1) In which situation you can apply Human centered design process? Did you able to apply Human centered design in this case study.
- 2) How can you apply brainstorming techniques?

Question 2 :

- 1) During the project meeting one stakeholder suggest that “It is better not to focus on prototyping, as it will require lot of time and effort. Hence recommended to design final product directly.” Do you agree or disagree?
- 2) Briefly explain five (5) reasons to justify above answer.
- 3) When you design a system, what cognitive aspects of users you need to consider? Discuss with examples.

Question 3:

- 1) What human physiological factors you need to consider when you develop a system for senior citizens (Age above 60)? Discuss using suitable examples.
- 2) What is learnability? How can you improve learnability of the above mention system?
- 3) What are the human cognitive factors you need to consider while developing an interfaces for above mention case study. State 4 factors and briefly explain them.

Question 4:

- 1) Briefly explain design theory using Schneiderman’s eight golden rules.
- 2) Provide 10 suggestions to improve the below web page design. Discuss them in detail.

