# North East University Bangladesh

Department of Computer Science and Engineering
Mid Semester Examination Spring 2022
Program: B.Sc. (Eng.) in CSE
Course: CSE 413(Web Engineering)

Total Mark: 30                                                                    Total Time: 1 Hr 30 mins

**Instructions: Answer any five questions from the following.**          **5*2=10**
**NB: FIGURES IN THE MARGIN INDICATE FULL MARKS**

1) Describe the rules of a data flow diagram.
2) Explain the architecture of the web.
3) Explain the internet, HTTP, WWW.
4) Write down the advantages and disadvantages of iterative waterfall models.
5) Write down the structure of the software requirement specification.
6) What are the differences between software and websites?
7) Explain the sprint, daily scrum, scrum master, product owner.
8) What is a feasibility study? Why is it important?

**Instructions: Answer any four questions from the following.**          **5*4=20**

9) Elaborate the term 'SDLC'. Explain the phases in a typical SDLC process briefly.
10) Which model is best suited for a data entry project for office staff who have never used computers before (user interface and user friendliness are extremely important). Draw the diagram and explain it.
11) Explain the levels of the data flow diagram (DFD).
12) What is scrum? How is scrum different from the iterative model? What are the advantages and disadvantages of the scrum model?
13) Which model mostly concentrates on risk analysis? Draw the diagram and explain it.
14) Suppose you have to build a software where testing is required in every phase of the life cycle. Which model is best for this software? Explain it.