BRAC UNIVERSITY
Department of Computer Science and Engineering

Examination: Mid Term   Semester:
Duration: 1:00 Hours   Full Marks: 100

CSE391: Programming for the Internet

Answer the following questions.
Figures in the right margin indicate marks.
All descriptions should be brief and to the point. GOOD LUCK ☺

Name:	ID:	Section:

1. **Answer any four questions below (**But first, check note above**) -**   60

CO1 a) **Analyze** the differences between absolute path and relative path? When do you use one over another?

CO1 b) **Analyze** the differences between absolute path and relative path? When do you use one over another?

CO1 c) **Analyze** the differences between absolute path and relative path? When do you use one over another?

CO1 d) **Analyze** the differences between absolute path and relative path? When do you use one over another?

CO2 e) **Analyze** the differences between absolute path and relative path? When do you use one over another?

2. You have to **Design** "Ke hote chay boroloks" Quiz contest system   40

You will **Generate** a MCQ quiz site. Anyone can take quiz to make points. Based on point board, top ones will be rewarded. (Read the **note** at end)

CO2 i. **Generate** JavaScript [JS] array of questions [1..n], which will have an unique id, question, options and correct answer.

CO3 ii. **Design** a page to show all the questions (one by one) in array (section: **i**) are shown in a HTML table with the help of JS. Also provide an **option** / **input box** so the user can submit their answer.

CO4 iii. **Create** a submit button and related JS at the bottom of the table (section: **ii**) labeled: "Answer". When clicked, it will check if answer is correct and add 5 points to total point count and save to cookie.

P.T.O

CO3

    iv.   Finishing all the questions, show the score to the user and ask for name to save in the leaderboard [use separate cookie variable for it].

CO3

    v.   Get some bonus points if you can keep track of number of questions answered correct and incorrect then show summary to users with final score.

Note:

* Assume cookie.js (printout provided) is available. You can include the cookie.js as an external JS and use the provided functions. You do not have to re-write the functions to manage cookie. Just use them as needed.

** For section (iv) you can assume to have a function **serialize**(**array**) to get flat string to save in cookie. Also, you can use the **deserialize**(**String**) to get the array format as before after retrieving from cookie.