Bismillahir Rahmanir Rahim
International Islamic University Chittagong
Department of Computer Science & Engineering
B. Sc. in CSE Semester Final Examination, Autumn 2018
Course Code: CSE-3507
Course Title: Internet Technologies and Web Programming
Total marks:50 Time: 2.30 hours

[Answer any *two* questions from **Group-A** and any *three* questions from **Group-B**;
Separate answer script must be used for Group-A and Group-B.]

Group-A

1. a) Why we use DHTML? Compare HTML and DHTML. What is the correct HTML for referring to an external style sheet? With Example. — 1+2 +2

   b) Describe CSS Box Model? How do you display a border like this: The top border = 50 pixels, the bottom border = 50 pixels, the left border = 50 pixels, the right border = 50 pixels? — 3+2

2. a) What is E-Commerce? Describe the steps of E-commerce Process. — 3

   b) Discuss about the Electronic Payment systems? Mention the Benefits of e-transactions. — 3

   c) What is the difference between E-Commerce and E-business? — 2

   d) Write down the future of E-Commerce? — 2

3. a) Is the Internet secure? Mention the complex issue related to e-commerce. Is e-commerce profitable? — 1+2 +2

   b) "The element selector selects elements based on the element name" justify this line using CSS example. What is the difference between Id selector and the Class selector? — 3+2

Group-B

4. a) What is cryptography? Write the differences between Symmetric cryptography and Asymmetric cryptography. — 3

   b) Define: Digital Signature. Describe 3 steps (Key generation, encryption and decryption) of RSA encryption technique with an example of **p=11&q=13**. — 4

   c) What is Secure Electronic Transaction(SET)?How SET works? — 3

5. a) Consider the E-R diagram and answer the following question: — 6
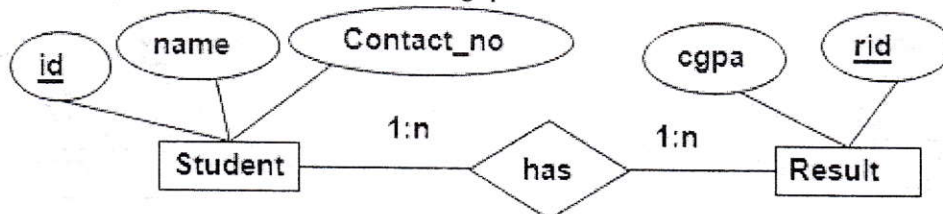
   i) Write SQL statement to create "**Student**" table.
   ii) Write SQL statement to insert data in "**Student**" table.
   iii) Write SQL statement to extract: **id, name, cgpa** of a particular student where the value of the column "**id**" is "**C121032**".

   b) Discuss about the Client-Side Scripting versus Server-Side Scripting. — 4

6. a) Why PHP is called *loosely typed language*? Write a PHP code snippet to open a new connection — 1+4

to a **MySQL** server, explain the parameters and include code to check whether the **connection** was successful.

b) Write a PHP code which will create a **multidimensional array,** with automatically assigned ID   4+1
keys and display all of the array values as output. Write the differences between **get and post** method?

7. a) Write an example using PHP, which demonstrates a **foreach()** loop that will print the values of   2+3
the given array.

Write a PHP code which create a function **ADD( )** with two parameters as integer numbers and returns with the sum of these numbers.

b) Define **dual signature** .Explain the *operation of dual signature*. Which **SQL statement** is used to   1+2
extract data and delete data from a database?   +2