**Exam # 3 Section 1**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Last Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student id:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructions:

This exam has two portion, part I is mapping from PHP to MVC Codeigniter. II part is about using XML.

**Part 1**

1. Create a new DB in localhost ,name it as ‘pacific’, populate it using the given pacific.sql and configure the database . 10marks
2. Use helpers form and base url 5 points
3. Map the given code into CodeIgniter. Map each one of the following pages: index, about us, client, contact us correctly . Need to use each one of the MVC pattern components. ( 40 points)
4. You should have a header\_view and a footer\_view on each one of the pages. ( 10 points )
5. Do appropriate validations using Form Validation. 15 points

**Part II**

Answer to your best knowledge each one of the following questions ( 5 points each)

1) which one of the following elements is an invalid XML element

a) abcd#

b) #abcd

c) 1#abc

2) There are several type of web services:

a) Rest b) SOAP C) Rest and SOAP d) None of the Above

3) One key benefit of XML data is that as plain text,

1. it can be read and transferred between applications and different operating systems
2. XML is used on the web server to communicate asynchronously with the browser
3. used as a data interchange format for moving information between systems
4. All the above

4) Xml processing in Javascript can be done using:

1. The DOM extension

b) SimpleXML extension,

c) XML parser

d) XMLReader

e) Combining XMLReader and SimpleXML

f) None of the above