**PL/SQL Basics Value: 25**

Run the **softwareexp.sql** script to create the Software Experts Database. Name the resulting code files A2Q1.sql, … A2Q3.sql . Submit a **word document** with the executed code and results for each question. **Note**: **required content**; comments, indented code, good variable names, error handling!

**Question 1**

Create a PL/SQL program to list the consultant information in the following format for all consultants who live in Eau Claire. Use the Loop structure that makes sense to you. Format the output to display as follows; (Note: your results may be different but should be formatted the same way). Value 10

Current List of Consultants in Eau Claire

Cons# Name Phone email

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100 Mark Myers 7155559652 mmyers@swexpert.com

101 Sheila Hernandez 7155550282 shernandez@earthware.com

. . .

105 Janet Park 7155554944 jpark@swexpert.com

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Total number of consultants: 66

**Question 2**

Create a PL\SQL program block that adds rows to consultant table. Start by creating a sequence to use for the consultant id in the consultant table. Be sure to choose appropriate start , maximum value and name it **carefully**. **Include the code for this in your solution**. Add Sybil deGrasse by using the sequence and the college information (960 Grandview Ave, E2L3V1, (506) 658-2170 , … and all other fields). Add your information by changing the values in the program and running it again. In each case you should display a message **like** – ‘Consultant #222 added – Sybil deGrasse’. Run the block again with your information. Include code and results for both in your document. Value 8

**Question 3**

Create a PL\SQL block that modifies the contact person information for client records. These are always changing so we want a program to do this. For a given client ID, change the first and last name and the phone number. Use Client 2 and your own name and whatever phone number you wish. Then display a message like – ‘Client #2 updated – Your Name, (506)999-1212’. Run the code again and change the data for client 5 with different values for name and phone number. Include code and results for both in your document. Value 7

