**COMPUTER SCIENCE 2 - 2016/2017**

**MP1 - PRE-ASSESSMENT EXAM**

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1. What is a project?

A usually big task that must be completed at a certain time.

2. Explain how a project is different from an everyday task.

A project is much bigger and a lot of money usually goes into a project.

3. In your own words, explain what Project Management means.

Project Management is configuring the project and making blue prints for it.

4. List and describe three benefits of Project Management.

1) You know what to do before starting 2) If you mess up, you can prove that it wasn’t your fault 3)Organization

5. What is the role of a Project Manager?

To make sure everything is working out the way it’s supposed to.

6. List and describe any three of the traits of a successful Project Manager.

1) Smart 2) Creative 3)Organized

7. What is a team?

A group of people who work together to complete something.

8. List and describe 3 benefits of working as a team.

1) Complete things faster 2) More help 3)Always have someone if u need them

9. Name the two types of teams discussed in class.

1) Project Team 2) Sports Team

10. List the common phases of a typical project.

1) Blue Print 2) Get materials 3) Get to work

11. Explain the purpose of Lessons Learned.

You know what to do in the project

12. What is a WBS? What is its purpose?

Work Breakdown Structure. It organizes the project into sections.

13. Explain the process of developing a WBS.

You split up the project and divide it to the team.

14. What is the purpose of estimating?

To get a price on the project.

15. Name the two types of estimating techniques covered in class.

16. Describe the type of estimating that looks at a project as a whole.

17. Describe the type of estimating that breaks the project down.

18. Explain the difference between effort and duration.

Effort is amount of work you put in and duration is amount of time it took in this period of time.

19. List some of the factors that may extend the projects duration

Materials Delay or Weather

20. You have a project that requires 40 hours of effort and starts today. You can only work on it Monday-Friday for 4 hours a day. What is the expected duration of this project?

21. You have a project that requires 40 hours of effort and starts today. You can work on it every day for 5 hours a day, however, you have to wait 3 days before all of the necessary supplies arrive. What is the expected duration of this project?

22. What is Risk?

Doing something dangerous but if works out it will be positive.

23. What is Risk Management?

Risky people who manage.

24. Name and describe 3 benefits of Risk Management.

25. What is a Risk Response Plan?

1. Explain the difference between Client-Side and Server-Side programming.

Client side is clients view and server side is owners view.

1. Which type is applicable to the programs you write in this class?

1. What software applications are necessary to create and run a JavaScript program?

HTML

1. Name 4 major differences between Java and JavaScript
2. Describe the advantage of using JavaScript instead of HTML alone.

Java script provides more results in a single page.

1. What is the purpose of the <SCRIPT> element?

Java Script tag.

1. In computer programming, what is an object?

A function.

1. Name any 2 programming objects covered in class so far.
2. What is an object method?
3. Explain how to display output on the screen using JavaScript.
4. What is a variable? Provide 3 benefits of using variables in computer programming.
5. Explain the meaning of the following statement: “JavaScript is case sensitive.”
6. Name the 4 variable types supported by JavaScript and describe each.
7. Variable “AccountBalance” has been created to hold the user’s current bank account balance represented by dollars and cents. This is an example of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ variable.
8. Variable “UserPhone” has been created to hold the user’s telephone number in the format (555) 555-5555. This is an example of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ variable.
9. Variable UserAge will hold TRUE if the user is 18 or over and FALSE if not. This is an example of a \_\_\_\_\_\_\_\_\_\_\_\_\_ variable.
10. Variable Total holds no data at all right now. This is an example of a \_\_\_\_\_\_\_\_\_\_\_\_\_ variable.
11. What is a function?

Something that tells a program what to do.

1. Name the three main parts of a function.
2. Name 3 benefits of using functions
3. What is a function parameter?
4. What is the purpose of the function call?
5. What is the purpose of the function return statement?
6. Describe the benefit of using external files in computer programming.
7. What file extension must be given to these types of files?
8. What is the purpose of commenting code?
9. Name two types of code comments covered in the class.
10. What is meant by debugging code?
11. Name 3 JavaScript debugging tools/techniques.
12. Name and describe 3 **types** of common JavaScript coding errors.
13. Missing semi-colon
14. Missing tag
15. Spelling error