**MAHARISHI UNIVERSITY OF MANAGEMENT**

**MASTER’S IN SOFTWARE DEVELOPMENT PROGRAM**

**INTRODUCTION TO PROGRAMMING WITH JAVASCRIPT (CS301)**

**ASSIGNMENT ONE:**

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**Review question Solutions**

1. Match each of the following parts of this problem to its correct location in a defining table.
2. Multiply by 15: Processing
3. Season cost: Output
4. area of lawn: Input
5. multiply by 0.01: Processing
6. Number each of these steps to solve the problem in the correct order from first (1) to last (3).
7. Multiply the area of the lawn by 0.01 and then by 15 to get the season cost:(**2**)
8. Display the season cost for the user to see:(**3**)
9. Get the total area of the lawn from the user: (**1**)
10. Match each of the following parts of this problem to its correct location in a defining table.
11. Multiply overtime hours by regular hourly wage by 1.5 to get overtime pay. (overpay = overHours \* regWage \* 1.5): (**processing**)
12. Subtract tax from gross pay to get net pay (net pay = gross Pay -tax): (**Processing)**
13. Overtime hours: (**Input**)
14. Multiply regular hours by regular hourly wage to get regular pay (regPay = regHours \* regWage): (**Processing**)
15. Multiply gross pay by 0.15 to get tax (tax = grossPay \* 0.15): (**Processing**)
16. Regular hourly wage: (**Input**)
17. Regular hours: (**Input**)
18. Add regular pay and overtime pay to get gross pay (grossPay = regPay + overPay): (**Processing**)
19. Net pay: (**Output**)
20. Number each of these steps to solve the problem in the correct order from first (1) to last (7).
21. Display net pay for the user to see. (**7**)
22. Add regular pay and overtime pay to get gross pay (grossPay= regPay+overPay): (**4**)
23. Multiply gross pay by 0.15 to get tax. (tax = grossPay\*0.15): (**5**)
24. Get regular hours, overtime hours, and regular hourly wage from the user. (**1**)
25. Multiply overtime hours by regular hourly wage by 1.5 to get overtime pay. (**3**)
26. Subtract tax from gross pay to get net pay. (net Pay = gross pay -tax): (**6**)
27. Multiply regular hours by regular hourly wage to get regular pay. (regular pay= regular Hours \* regular wage): (**2**)

5. Which of the following are control structures? (Mark all that apply).

1. Input: 
2. Try, catch and throw: 
3. Computation: 
4. Selection: 
5. Sequence: 
6. Output: 
7. Repetition: 
8. Storage: 

6. Match each control structure to its correct definition.

1. Sequence: - Couse the computer to execute statements in the order they are written in a program, from top to bottom
2. Selection: - Couse the computer to select one group of statements to execute and another group or groups to skip.
3. Repetition: - Couse the computer to repeat a group of statement.