IPC144 Quiz1 – B- Solution
[10 marks]

Instructions:
Complete all questions in the spaces provided. This quiz is worth 5% of your final grade.

Part A– Multiple Choice: only **one** correct answer for each question: (0.5 marks each)
Are the following legal C programming language data type? [True for "Yes", false for "No".]
1. data: (A) true   (B) false   – (B)
2. string: (A) true   (B) false   – (B)
3. int: (A) true   (B) false   – (A)
4. double: (A) true   (B) false   – (A)

Are the following valid variable names? [True for "Yes", false for "No".]
5. happy_day : (A) true   (B) false   – (A)
6. u2 : (A) true   (B) false   – (A)
7. 2go : (A) true   (B) false   – (B)
8. if : (A) true   (B) false   – (B)
9. good   day : (A) true   (B) false   – (B)

10. What value is returned (yielded) by the following expression: (5 == 7) – (D)
    (A) true   (B) false (C) 1   (D) 0   (E) Error

Part B – Calculation (1 mark each)
11. What is the Decimal value for the Binary number 1011?
    Ans: 2(^3) + 0 + 2 + 1 = 12

12. What is the Binary number for Decimal value 65?
    Ans: 1000001

13. What is the Binary number (in 8 digits) for Hexadecimal value 65?
    Ans: 0110 0101

14. What is the Decimal value for the Hexadecimal number 12?
    Ans: 1*16 + 2 = 18

15. What is the Hexadecimal value for the Binary number 1011?
    Ans: C