**BABCOCK UNIVERSITY**

**SOFTWARE ENGINEERING DEPARTMENT**

**[QUESTION PAPER] TITLE: INTRO TO PROGRAMMING USING C (COSC111)**

ASSIGNMENT 2 (Due Date:16-03-2022)

**SECTION A (Attempt all)**

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| 1. Identify the valid variables from the following:   while, 2\_cost, score2, for, item\_qty | 2. State the error in the following code chunk:  printf("Input the radius");  scanf("%d", radius); |
| 3. What is wrong with the following statement:  **int break = 25;** | 4. What is the final value of count in the following code extract:  int i, count = 0;  for (i = 2; i < 10; i++)  count++; |
| 5. Identify the problem with the following code chunk:  **int Bread = 500;**  **printf("\n The Total Bread = %d", bread);** | 6. An error in design or implementation that does not prevent your program from compiling but causes it to do what is NOT intended is called………………. |
| 7. What is the value of x = 8 + 2 \* 6 – 1; | 8. What does the following code print?  printf( "\*\n\*\*\n\*\*\*\n\*\*\*\*\n"); |
| 9. If **int sum = 25** and **int val = 4,** what is **sum+=val** ? | 10. What is the output if integer value 2 is read in to variable ***choice*** in the following code fragment:  printf("\n Enter your Choice:");  scanf("%d", &choice );  switch(choice){  Case 1: printf("Hey "); break;  Case 2: printf("How ");  Case 3: printf("Coding"); break;  default: printf("\n Out of Range");  } |

**SECTION B (Attempt all)**

1. Write a C language program to detect if a number is even.
2. Write a C code to add integer numbers from 1 to 10
3. Write a program to find the sum of even numbers from first 10 positive integers
4. If **5!** (factorial) is computed as **120**, write a C code using iterative procedure to implement this.
5. How many times does the following loop run? for (j = 2; j < n; j++)