

SHRI VISHWAKARMA SKILL UNIVERSITY, DUDHOLA, PALWAL

B. Tech. Computer Science & Engg. (AI/ML)- First Semester

FIRST SESSIONAL TEST (SESSION: 2022-2023)

Subject Code: ETCS103

Sem.: First

Subject Name: Programming with C

Time: 60 minutes Maximum Marks: 20

SECTION A

Q 1. Very Short answers type (remembering, understanding) (5 questions are compulsory) $5 \times 1 = 5$

Sl.	Question Description	RBT Level	CO Mapped
Q1.1	One of the most common errors for new programmers is forgetting to use the address operator for variables in a <i>scanf</i> statement. What is the address operator? a. The ampersand (&) b. The caret (^) c. The percent (%) d. The pound sign (#)	Remembering	CO1
Q1.2	Which of the following is <i>not</i> a valid identifier in C? a. A3 b. 4C c. Tax_rate d. if	Understanding	CO1
Q1.3	Find any errors in the following program. # include (stdio.h) int main (void) { print ("Hello World "); return 0; }	Understanding	CO2
Q1.4	Find any errors in the following function definition: void fun (int x, int y) { int z; return z; }	Understanding	CO2
Q1.5	Which of the following is not a comparative operator in C? a. < b. <= c. = d. > e. >=	Remembering	CO1

SECTION B

Q2. Short answers type (understanding, applying) (2 questions are compulsory)

$2\frac{1}{2} \times 2 = 5$

Sl.	Question Description	RBT Level	CO Mapped
Q2.1	If $x = 0$, $y = 5$, $z = 5$, what is the value of x , y , and z for each of the following code fragments? (Assume that x , y , and z are their original values for each fragment.) a. <code>if (z != 0) y = 295; else x = 10;</code> b. <code>if (y + z > 10) y = 99; z = 8; x = ++z;</code>	Understanding	CO3
Q2.2	Rewrite the following code using one <i>if</i> statement:	Understanding	CO2


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if (aChar == 'E')
    C++;
if (aChar == 'E')
    printf("Value is E\n");

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SECTION C

Q3. Long answers type (understanding, applying, analysing, evaluating) (2 questions are compulsory) $5 \times 2 = 10$

Sl.	Question Description	RBT Level	CO Mapped
Q3.1	Write a function called smallest that, given three integers, returns the smallest value.	evaluating	CO3
Q3.2	Write a program that reads two integers them, from the keyboard, multiplies and then prints the two numbers and their product.	applying	CO4

****END****

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