Time : 2 Hours]   [Total Marks : 50

Q.1 (A)   Attempt Following   3
1. What is variable?
2. float data types occupies _____ bytes in memory.
3. C language is developed by _____

Q.1 (B)   Explain typecasting.   2

Q.1 (C)   Explain Variable in detail.   5

OR

Q.1 (A)   Attempt Following   3
1. What is middle level language?
2. What is header file?
3. How many keywords available in C ?

Q.1 (B)   Explain symbols of flowchart.   2

Q.1 (C)   Explain data types available in C.   5

Q.2 (A)   Attempt Following   3
1. What is nested loop?
2. List out entry control loop.
3. List out jumping statements

Q.2 (B)   Write down syntax of ladder if.   2

Q.2 (C)   Explain switch case with example.   5

OR

Q.2 (A)   Attempt Following   3
1. List out conditional statements.
2. Which loop execute at least once?
3. _____ jumping statement is used to exit from block.

Q.2 (B)   Difference between entry loop and exit loop.   2

Q.2 (C)   Explain for loop with example.   5

Q.3 (A)   Attempt Following   3
1. Which header file is used with string function?
2. _____ function is used to allocate memory runtime.
3. Which is default storage class.

1

Q.3 (B)	Explain recursion.	2
Q.3 (C)	Explain call by value and call by reference	5

OR

Q.3 (A)	Attempt Following	3
	1. _____ is header file for pow().	
	2. What is UDF?	
	3. Write down syntax of calloc().	
Q.3 (B)	Explain no argument with return value.	2
Q.3 (C)	Explain DMA functions.	5

Q.4 (A)	Attempt Following	3
	1. What is string?	
	2. What is array?	
	3. How to initialize 1D array?	
Q.4 (B)	Explain memory allocation of 2D array.	2
Q.4 (C)	What is array? Explain one dimensional array with example.	5

OR

Q.4 (A)	Attempt Following	3
	1. What is pointer?	
	2. Which operator is used to get the address of variable?	
	3. String terminate with _____ character	
Q.4 (B)	How to declare pointer variable?	2
Q.4 (C)	Explain pointer to array.	5

Q.5 (A)	Attempt Following	3
	1. How to declare structure?	
	2. List out user define data types.	
	3. How to declare variable of union?	
Q.5 (B)	How to initialize structure variable?	2
Q.5 (C)	Explain structure in detail.	5

OR

Q.5 (A)	Attempt Following	3
	1. How to declare array of structure variable?	
	2. Which operator is used to access structure member?	
	3. How to declare structure variable?	
Q.5 (B)	Explain nested structure.	2
Q.5 (C)	Explain array of structure.	5

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