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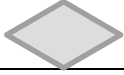
312303 - Programming In 'C' (Sem II)

As per MSBTE's K Scheme

CO / CM / IF / AI / AN / DS

| Unit I | | Basics of 'C' Programming | Marks - 12 | |
|--------|---|---------------------------|------------|--|
| S. N. | MSBTE Board Asked Questions | Exam Year | Marks | |
| 1. | List any four keywords used in 'C' | S-22, W-23 | 2M | |
| 2. | Draw flowchart for checking whether given number is positive or negative. | W-23 | 2M | |
| 3. | Draw and label different symbols used in flowchart. | W-23, S-22, W-19 | 2M | |
| 4. | Draw flowchart for finding largest number among three numbers. | W-23, S-22, S-19 | 4M | |
| 5. | State the use of printf() and scanf() with suitable example. | W-23, S-22 | 4M | |
| 6. | Write a program to print Fibonacci series starting from 0 and 1. | W-23, S-22, W-19 | 6M | |
| 7. | Write algorithm and draw flow-chart to print even numbers from 1 to 100. OR 1 to 50 | W-23, W-18 | 4M | |
| 8. | List the symbol used in flowchart any four | S-23 | 2M | |
| 9. | Give the use of Printf() | S-23 | 2M | |
| 10. | Define algorithm | S-23 | 2M | |
| 11. | Write a c program among three numbers find largest number among three | S-23 | 4M | |
| 12. | Explain use comment in c language | S-23 | 4M | |
| 13. | Describe use of header files in c language | S-23 | 4M | |
| 14. | Explain formatted input output function with example | S-23 | 4M | |
| 15. | Define the terms : i) Flow chart ii) Algorithm. | W-22 | 2M | |
| 16. | State any four data types used in 'C'. | W-22 | 2M | |
| 17. | List logical operators in 'C'. | W-22 | 2M | |

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| 18. | Draw any two symbols used to construct flow chart. Also state their use. | W-22 | 2M |
| 19. | Explain any four guidelines for preparation of flowchart. | W-22 | 4M |
| 20. | Explain data type conversion with example. | W-22 | 4M |
| 21. | Explain any two string handling functions with syntax and example. | W-22 | 4M |
| 22. | Describe scanf() function with its syntax and example | W-22 | 4M |
| 23. | Write an algorithm and draw a flowchart to find largest number from three numbers. | W-22 | 4M |
| 24. | Write syntax and use of POW () function or header file. | S-22 | 2M |
| 25. | Draw flowchart for addition of two numbers. | S-22 | 2M |
| 26. | Write an algorithm to find largest of three numbers. | S-22 | 4M |
| 27. | Describe the following terms : (i) Keyword (ii) Identifier (iii) Variable (iv) Constant . | S- 22, W- 19, W-23 | 4M |
| 28. | Write a program to display table of given number (Accept number from user). | S-22 | 4M |
| 29. | Write a program to sum all the even numbers between 1 to 100. | S-22 | 4M |
| 30. | Find the output of the following program : # include < stdio.h> void main() { int x = 10, y = 10, v1, v2 ; v1 = x++ ; v2 = ++y ; printf ("value of v1:%d", v1) ; printf ("value of v2:%d", v2) ; } | W-19 | 2M |
| 31. | State the Relational operators with example. | W-19 | 2M |
| 32. | Draw flow chart for addition of two numbers. | W-19 | 2M |
| 33. | State the importance of flow chart. | W-19 | 4M |
| 34. | Explain conditional operator with example. | W-19 | 4M |
| 35. | Write an algorithm to determine the given number is odd or even. | W-19 | 4M |
| 36. | Write a program to calculate sum of all the odd numbers between 1 to 20. | W-19 | 6M |
| 37. | Draw flowchart for checking whether given number is even or Odd | S-19 | 2M |
| 38. | List any four keywords used in 'C' with their use. | S-19 | 2M |
| 39. | Write a program to sum all the odd numbers between 1 to 20. | W-23, S-19 | 4M |
| 40. | Explain any four bit-wise operator used in 'C' with example. | S-19 | 4M |
| 41. | Describe generic structure of 'C' program. | S-19 | 4M |
| 42. | Write a program to accept ten numbers and print average of it. | S-19 | 6M |
| 43. | Enlist different format specifiers with its use. | S-19 | 6M |
| 44. | Define Algorithm. | W-18 | 2M |
| 45. | Give the significance of and header files. | W-18 | 2M |
| 46. | Write syntax and use of pow() function of header file. | W-18 | 2M |

| | | | |
|-----|--|---------------|----|
| 47. | Draw and label symbols used in flow chart. | W-18 | 2M |
| 48. | Explain increment and decrement operator. | W-23, W-18 | 4M |
| 49. | Explain conditional operator with example. | W-18 | 4M |
| 50. | Write a program to accept the value of year as input from the keyboard & print whether it is a leap year or not | W-18 | 4M |
| 5.1 | Define type casting. Give any one example. | S-18 | 2M |
| 52. | State the use of following symbols used for flowchart drawing : (i)  | S-18 | 2M |
| | (ii)  | | |
| 53. | State the use of printf() & scanf() with suitable example. | S-18 | 4M |
| 54. | Develop a simple 'C' program for addition and multiplication of two integer numbers. | S-18 | 4M |
| 55. | Explain any four library functions under conio.h header file. | S-18 | 4M |
| 56. | Explain how formatted input can be obtain, give suitable example. | S-18 | 4M |
| 57. | Write a program to swap the values of variables a = 10, b = 5 using function. | S-18 | 4M |
| 58. | Design a program to print a message 10 times. | S-18 | 4M |
| 59. | Draw a flowchart for checking whether given number is prime or not. | S-18 | 4M |
| 60. | Implement a program to demonstrate logical AND operator. | S-18 | 4M |
| 61. | Develop a program to swap two numbers using pointer and add swapped numbers also print their addition. | S-18 | 6M |
| 62. | Design a program in C to read the n numbers of values in an array and display it in reverse order. | S-18 | 6M |

Thank You

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