SHREE H. N. SHUKLA COLLEGE OF I.T. & MGMT.

(AFFILIATED TO SAURASHTRA UNIVERSITY)

3 - Vaishalinagar	**2 – Vaishalinagar**
Nr. Amrapali Railway Crossing	**Nr. Amrapali Railway Crossing,**
Raiya road,	**Raiya Road,**
Rajkot – 360001	**Rajkot - 360001**
Ph. No- 2471645	**Ph.No–(0281)2440478,2472590**

QUESTION BANK - BSCIT Sem-1
SUBJECT: PROGRAMMING IN C

1. Explain type of computer languages.
2. Write a note on history of C language.
3. Explain C character set, tokens and keywords of C language.
4. What is constant? List the types of constant and explain symbolic constant in detail.
5. Define identifier and variable.
6. Explain Arithmetic operators.
7. Explain relational operators.
8. Explain logical and conditional operators.
9. Explain special and bitwise operators.
10. Explain hierarchy of operators.
11. Differentiate pre decrement and post decrement.
12. What is type casting? List out types of type casting and explain it.
13. Explain data types in C language.
14. Explain typedef and enum.
15. Explain pre-processor directives in C language.
16. Define algorithm and flowchart. Explain symbols of flowchart.
17. Explain algorithm and flowchart with example.
18. What is dry run?
19. Explain if statement and else if ladder.
20. Explain switch statement.
21. Explain for loop with example.
22. Differentiate while and do-while loop.
23. Explain nesting of loops.
24. What is jumping statement? Explain break, continue and goto statement
25. List out string functions and explain any five functions.
26. List out mathematical functions and explain any five.
27. List date and time functions and explain any five.
28. List I/O formatting functions and explain any five.
29. List out miscellaneous functions and explain any five.
30. List out standard library functions and explain any five.
31. Explain malloc(), calloc() and realloc() with example.

SHREE H. N. SHUKLA COLLEGE OF I.T. & MGMT.

(AFFILIATED TO SAURASHTRA UNIVERSITY)

3 - Vaishalinagar	**2 – Vaishalinagar**
Nr. Amrapali Railway Crossing	**Nr. Amrapali Railway Crossing,**
Raiya road,	**Raiya Road,**
Rajkot – 360001	**Rajkot - 360001**
Ph. No- 2471645	**Ph.No–(0281)2440478,2472590**

QUESTION BANK - BSCIT Sem-1
SUBJECT: PROGRAMMING IN C

32. What is UDF? Explain types of user defined functions.
33. What is pointer?
34. Differentiate call by value and call by reference.
35. What is Recursion? Explain with example.
36. What is storage class? Explain types of storage class.
37. Define scope and lifetime of variables.
38. What is Array? Explain types of array.
39. What is structure? Explain working of pointers with structures.
40. Explain working of array with structures.
41. Explain UDF with structures.
42. Explain nested structures with example.
43. Differentiate structure and union.
44. Explain how the pointers is used in dynamic programming?
45. Define chain pointer.
46. Explain fopen() with all its modes.
47. Explain ftell(), fseek() and rewind().
48. Explain command line arguments with example.