

**C. ABDUL HAKEEM COLLEGE (AUTONOMOUS),  
MELVISHARAM - 632 509.  
SEMESTER EXAMINATIONS, NOVEMBER - 2018**

**B.SC., COMPUTER SCIENCE / B.C.A.,  
SEMESTER I  
U18MCS101 / U18MCA101 – FUNDAMENTALS OF IT AND C  
PROGRAMMING**

Time: Three Hours

Maximum: 75 Marks

**SECTION - A (10 X 2 = 20 Marks)**

Answer **ALL** Questions.

1. Define transistor. Write any two characteristics of transistor.
2. What are registers?
3. Define algorithm.
4. What is structured programming?
5. Define E-Mail.
6. What is virus? List out any two disadvantages of virus.
7. What is keyword? Write any four keywords of C language.
8. Write the syntax of switch case statement.
9. Define the function.
10. Define the pointers.

**SECTION - B (5 X 5 = 25 Marks)**

Answer **ALL** Questions.

11. a) Explain the units of CPU.  
(Or)  
b) Discuss the memory hierarchy of computer.

12. a) What are the types of output devices? Explain.

(Or)

- b) Enumerate the role of information technology in various sectors.

13. a) Explain the applications of internet.

(Or)

- b) What is cryptography? Discuss its types.

14. a) Explain the following: (i) character sets of C (ii) identifiers.

(Or)

- b) Differentiate between while and do-while loop with example.

15. a) Write a brief note on storage classes.

(Or)

- b) Brief about the operations of file.

**SECTION - C (3 X10 = 30 Marks)**

Answer **ANY THREE** Questions.

16. Briefly explain about the types of RAM.
17. a) What do you understand by software? Discuss its types.  
b) How is software update different from software upgrade? Explain.
18. a) What is the advantage of online backup over other backup methods? Explain.  
b) What is the purpose of blogs? List out the steps for creating a blog.
19. Explain the decision making statements in C Language.
20. What are command line argument? Explain the concept with the help of C program.

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