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Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (2018 & Onwards) (Sem.–1)
**B.Tech. (Agriculture Engg./Automation Robotics/
(Automobile Engg./BT/Civil Engg./Computer Engg./CSE/
Electrical & Electronics Engg./Electrical Engg./ECE/
Electronics & Electrical Engg./FT/IT/ME)**

PROGRAMMING FOR PROBLEM SOLVING

Subject Code : BTPS-101-18

M.Code : 75346

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying EIGHT marks each.
4. Select atleast TWO questions from SECTION - B & C.

SECTION-A

Write briefly :

1. What is the syntax of nested If statement?
2. How many byte are required for Int a[20] statement?
3. What is an algorithm?
4. What is the structure of a C program?
5. What is the Scope of a variable?
6. What are the logical operators available in C?
7. What are the syntax of Scanf statements of C?
8. What are the various types of software used in computers?
9. What is ROM?
10. What are the usage of USB port?

SECTION-B

11. What are the steps in execution of a C program? Explain the significance of each step.
12. What is the meaning of a Bit, byte, KB, MB & GB? Explain the difference between software & hardware giving suitable examples.
13. What are the various components of a computer? Discuss with the help of a block diagram.
14. What is a flow chart? Draw flow chart to find the largest of three numbers.

SECTION-C

15. What are the various Control Structures available in C? Explain with example.
16. What are the various input output statements available in C?
17. What are the various applications of computers? Discuss with example.
18. Explain the algorithm for selection sort. Write the program also.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.