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Total No. of Pages : 02

Total No. of Questions : 18

BMCI (2014 & Onwards) (Sem.-I)

PROGRAMMING IN C

Subject Code : BMCI-104

M.Code : 72201

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 contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Answer briefly :

Q1. Why do we use header files?

Q2. Differentiate between computer software and hardware.

Q3. Differentiate between break and continue.

Q4. What is #include, #define directives?

Q5. Define local and global variable.

Q6. Why is the use of go to statement discouraged in C programs?

Q7. What do you mean by the base address of an array?

Q8. List any four keywords in C.

Q9. What is NULL pointer? Is it same as an uninitialized pointer?

Q10. What is the significant of EOF in file handling?

SECTION-B

- Q11. What is flowchart? Explain different symbols used for flowchart.
- Q12. How to declare and initialize a Two-dimensional array? Discuss with example.
- Q13. Explain any two arithmetic operations on pointers with proper examples.
- Q14. How data elements are stored under unions, explain with example?
- Q15. Explain the storage classes available in C language.

SECTION-C

- Q16. Define Program. Write and explain various steps involved in the development of program.
- Q17. Explain recursion with example. What are the advantages and disadvantages of recursion?
- Q18. Explain the following file handling functions :
- a) `fseek()`
 - b) `ftell()` c)
 - `fputs()` d)
 - `fgets()`

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.