



**AF-3563**

M.A./M.Sc. (Final)  
Term End Examination, 2017-18

**MATHEMATICS**

Paper - III

Programming in C  
(With ANSI features)

*Time : Three Hours] [Maximum Marks : 100*  
*[Minimum Pass Marks : 36*

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**Note** : Answer any **five** questions. All questions carry equal marks.

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1. (a) What is Program ? Write about ‘C’ tokens.  
(b) What is function ? Write its types with examples.
2. (a) Explain type conversion with examples.

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(b) Write a program for explicit type casting.

3. (a) What is loop ? Write the difference between while and do...while loop.  
(b) Write a program to display 1 to 10 using loop.

4. (a) What is Array ? Write its types with examples.  
(b) What is conditional statement ? Write a program to find the largest value between two variables.

5. (a) What is Operator ? Write its types with one example.  
(b) Explain about operator precedence and associativity.

6. Describe points in detail with example program.

7. What is structure ? Write the difference between structure and union.

8. Write a program to find vowel using switch case on “C” language.

9. What is file handling technique in “C” ? Write about file opening and closing method.

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**10.** Write short notes on the following :

- (a) Syntax and semantics
- (b) Relational operator
- (c) Linked list
- (d) String

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