2017
MATHEMATICS
PAPER : MAT 206

GENERIC ELECTIVE-I
(FUNDAMENTALS OF COMPUTER PROGRAMMING)

Full Marks: 40
Time: 1.5 hours
The figures in the margin indicate full marks for the questions

1. **Attempt all the questions**   5x4=20

   (a) Write a short note on the different stages of development of Computer.

   Or

   Explain about the Organization of Computer.

   (b) Explain about the different types of Computer.

   Or

   Explain about the different Generations of Computer.

   (c) What do you mean by algorithm and flowchart? Write the algorithm and draw the flowchart to find the area of a triangle whose sides are a, b, c.

   Or

   Write the algorithm and draw the flowchart to find the area and circumference of a circle of radius r.

   (d) Draw a flowchart to generate and print the Fibonacci series 0 1 1 2 3 5 8 ....n.

1   P.T.O.

<center>Or</center>

Write on procedural programming and object oriented programming.

2. What values are automatically assign to those array element which are not explicitly Initialized?　　　　5

3. Write about system defined datatypes.　　　　5

4. Discuss the difference between assignment and equality.　　2

5. How does x++ differ from ++x ?　　　　2

6. What is an identifier ? What is the purpose of a comma operator in C ?　　　　2

7. What is associativity and why is it important ?　　2

8. What is string constant ? Give an example.　　　　2

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