

Code: IT3T4

**II B.Tech - I Semester–Regular/Supplementary Examinations
November 2017**

**OOPS THROUGH C + +
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11x 2 = 22 M

1.

- a) Define Stream classes.
- b) Illustrate about Comma Operator.
- c) What is Inline Function?
- d) Define a Class.
- e) Discuss the Purpose of Constructor.
- f) Write about virtual Function.
- g) Classify the Memory Models.
- h) What is a Template?
- i) List out File Opening Modes.
- j) Define an Exception.
- k) Differentiate between List & vector.

PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Explain the Concepts of OOPs. 10 M

b) Write the Structure of C++ Program. Give an example. 6 M

3. a) Can you overload constructor? Justify your answer. 8 M

b) Discuss about Hierarchical Inheritance with an example. 8 M

4. a) Explain about Abstract classes in C++. 8 M

b) Write about Virtual Functions in derived classes. 8 M

5. a) How to Overload Template function? Explain. 8 M

b) Explain about File Streams in C++. 8 M

6. a) Discuss about importance of try, catch & Throw Keywords. 8 M

b) Explain about Sequence Containers. 8 M