

Total No. of Questions : 6]

SEAT No. :

P167

[Total No. of Pages : 2

OCT/BE/Insem.-96

B.E. (Computer)

ADVANCED COMPUTER PROGRAMMING

(2012 Pattern) (Semester - I)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) All questions are compulsory.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) Explain with examples Distributed lock using time stamps. [6]
b) Explain with examples Object Transfer Service using path Reversal.[4]

OR

- Q2)** a) What is concurrency? What are the basic approaches to achieve concurrency? [6]
b) Explain in detail a single copy and multi-copy distributed shared memory. [4]

- Q3)** a) Explain the Producer-Consumer lock program. [6]
b) Explain in detail bounded buffer. [4]

OR

- Q4)** a) What is thread? Describe the complete life cycle of the thread. [6]
b) Write an applet for each of the following graphics methods: [4]
i) draworal ()
ii) drawrect ()
iii) drawline ()
iv) filloval ()

P.T.O.

Q5) a) What is reflection in Java? What are its drawbacks and practical uses? [6]

b) Explain string tokenizer in detail. [4]

OR

Q6) a) What are the main benefits of SOA? How to achieve loose coupling in a SOA? [6]

b) What are the Data Types Supported by Java? What is Autoboxing and Unboxing? [4]
