

Total No. of Questions : 6]

SEAT No. :

P118

[Total No. of Pages : 2

Oct.-16/B.E./Insem.- 176
B.E. (Computer Engineering)
ADVANCED COMPUTER PROGRAMMING
(2012 Pattern) (Elective - I(c)) (Semester - I)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Figures to the right indicate full marks.*
- 2) *Draw neat diagram wherever necessary.*
- 3) *Make suitable assumptions wherever necessary.*

Q1) a) What is concurrency? What are the basic approaches to achieve the Concurrency? [5]

b) Explain the producer-consumer lock program. [5]

OR

Q2) a) What are the different types of connectionless channel? Explain any one in brief. [5]

b) What is bounded buffer? How semaphores are useful in bounded buffer. [5]

Q3) a) What do you mean collection in Java? Explain list and set in detail. [5]

b) What is auto-boxing and unboxing? When does it happen in java? [5]

OR

Q4) a) What is string tokenizer and observable in java? Explain string tokenizer in detail. [5]

b) What is Reflection in java? What are its drawbacks and Practical uses?[5]

P.T.O.

- Q5)** a) What is cloud computing? Explain its framework model in detail. [5]
- b) Write short note on: [5]
- i) SOAP
 - ii) WSDL
 - iii) SERVLET

OR

- Q6)** a) What is EJB? How it is different from RMI? [5]
- b) What is difference between web services and software component? How do we create a web service in java? Give suitable example of web service in java. [5]

