

B.E. Information Technology Sem-VII
IT7042 - Elective-I : Advance Computing Techniques

P. Pages : 1

GUG/S/19/1817

Time : Three Hours



Max. Marks : 80

- Notes :
1. Same Answer book must be used for all question.
 2. All questions carry equal marks.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.
 5. Illustrate your answers wherever necessary with the help of neat sketches.

1. a) Explain the basics of parallel computing? 8
b) What are the advancements in system development using advance computing techniques? 8

OR
2. a) Explain the basics of cloud computing? 8
b) Explain service oriented architecture? 8
3. a) How the security in cloud computing is implemented? 8
b) Discuss various deployment models in cloud computing? 8

OR
4. a) Explain the following terms. 8
i) SAAS ii) Multitenancy
b) What are the various virtualization technologies for cloud computing? 8
5. a) Explain grid monitoring architecture ? 8
b) Discuss various grid application trends? 8

OR
6. a) Explain resource management in grid computing? 8
b) Explain 1st and 2nd generation grid portals? 8
7. a) What is adaptation in mobile computing? 8
b) What are mobile agents? 8

OR
8. a) Discuss various security issues in mobile computing? 8
b) Explain the following mobile computing technologies? 8
i) Symbian ii) J2ME
9. a) Explain the pervasive web application architecture? 8
b) Discuss device connectivity with regard to pervasive computing? 8

OR
10. a) Explain the following – 8
i) WAP ii) Biometrics
b) Explain security in pervasive computing? 8
