

Time: 3 Hours

Marks: 80

Note: 1. Question 1 is compulsory

2. Answer any three out of remaining questions.
3. Assume suitable data wherever required and justify the same.

- Q1 a) What is CDMA? How many Channels are there in CDMA Forward Channels? [5]
What are the Benefits of CDMA?
- b) Why API's is used in cloud services? How can you make certain that you [5]
continually have access to your data?
- c) Discuss briefly the Social and economic impacts of Internet GIS technologies [5]
- d) What are MEMS and Microsystems? How will you categorize them from the [5]
conventional systems?
- Q2 a) Explain with help of framework detail role of knowledge management in ICT for [10]
waste management.
- b) Discuss various knowledge and visualization techniques used in ICT? [10]
- Q3 a) The hitches in communicating climate change and global warming to the general [10]
public are often emphasized as one of the difficulties for support of enriched
climate action. The developments of interactive visualization using information
and communication technology (ICT) are appealed to be a game-changer in our
capacity to communicate complex issues. Outline a framework for the above
matter.
- b) Can the state or my employer use RFID chips to monitor my private life? Explain [10]
with respect to ICT and Dissemination Techniques.
- Q4 a) What are social groups? What are social networks? So, do birds of a feather flock [10]
together? Describe all these with respect to ICT in on-going developments.
- b) What defines a cloud service? Is there such a thing as a private cloud? Does the [10]
cloud really empower anything new? Discuss with a sample case.
- Q5 a) Discuss Social Impact and the Collective Dynamics for Opinion Creation towards [10]
modern societal expansion.
- b) Discuss how ICT with Social Media enabled GIS can help for Disaster Risk [10]
Management.
- Q6 a) What is the knowledge management (KM)? How is KM related to information [10]
filing or resource center? What are those KM tools and practices?
- b) Can MEMS and sensing devices aid cling to the IoT harmless? Describe with [10]
illustration.