FINAL COURSE: GROUP – II
PAPER – 6: INFORMATION SYSTEMS CONTROL & AUDIT
Question No. 1 is compulsory.
Attempt any five questions from the remaining six Questions.
Time Allowed – 3 Hours Maximum Marks – 100

Q-1) XYZ Industries Ltd. is a company engaged in the business of manufacturing and supplying of electronic equipments. It intends to implement E-Governance system at all of its departments. A system analyst is engaged to conduct requirements analysis and investigation of the present system. The company's new business models and new methods presume that the information required by the business managers is available all the time; it is accurate and reliable. The company is relying on Information Technology for information and transaction processing. It is also presumed that the company is up and running all the time on 24 x 7 basis. Hence, the company has decided to implement
a real time ERP package, which equips the enterprise with necessary techniques to integrate and synchronize the isolated functions into streamlined business processes in order to gain a competitive edge in the volatile business environment. In addition, the company intends to keep all the records in digitized form. Read the above carefully and answer the following:

a) What do you mean by system requirements analysis? What are the activities to be performed during system requirements analysis phase?
b) What are the business risks that an organization may face while migrating to real time integrated ERP system?
c) What are the points that need to be taken into account for the proper implementation of physical and environmental security in respect of Information System Security?
d) What is the provision given in Information Technology (Amended) Act 2008 for the retention of electronic records?

Q-2)

1) Explain Design principles with modularity in SDLC? (6)
2) Explain role of following officers: (6)
   - CISO
   - FISO
   - DSSO
   - Line Manager
3) Explain four concept of COCO? (4)

Q-3)

1) Explain advantages and disadvantages OF continues audit technique ? (6)
2) Roles Of IS auditor in Physical Access control ? (6)
3) Explain Risk Mitigation technique? (4)

Q-4)

1) Explain Various alternate Processing Facilities? also explain reciprocal agreement (6)
2) Explain provisions of Secure E-signature and secure E-record? (6)
3) Explain various parts of Introduction section in IS audit Report? (4)

Q-5)

1) Explain the various Documents to be included in Disaster Recovery plan? (6)
2) Define Risk Mitigation ? and what are various Common Risk mitigation Tech? (6)
3) While Review of Hardware, what are aspect to be verify in Hardware Preventive maintenance ? (4)

Q-6)

1) What factor should be considered for Evolution of [illegible] ERP Packages? (6)
2) Explain various Testing Plan for testing BCP? (6)
3) Explain DO phase activities in ISO27001? (4)

Q-7) short notes (any four) (16)

1) Sec 41
2) Access control
3) Big bang and phased implementation
4) System maintenance
5) General model of system