

Max. Marks: 80

Internal Marks: 20

Time: 3 Hours

Note: Paper setter will set nine questions in all. Question No. 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 15 marks each.

Networking: fundamentals, LAN/MAN/WAN, topologies, transmission media, ISDN, B-ISDN, protocols- TCP/IP, OSI, ATM, internet services; hardware and software requirements for internet; browsers- internet explorer, mozilla firefox, opera, google chrome; search engines; webpage.

Information technology application in business, E-business, net banking; online purchasing and selling; online banking, electronic payment systems- an overview.

E-governance- concept and examples. digitalization of services – income tax, digital lockers, etc. E-disha, etc., linking AADHAR to service – issues and impact.

Social and ethical aspects of IT. Cyber Laws – IT Act 2000, impact of IT on other laws concerning business; cyber security – threats, anti-virus software, firewalls, etc.

Practical: The students will be able to use the e-governance services – digital locker, file income tax return, file various applications such as passport, access bank accounts, etc.

REFERENCES

- Forouzan, Data Communication & Networking, TMH.
- A.S., Tanenbaum, Computer Networks, 3/e Peterson Education.
- Prabhu, E-Governance, Prentice Hall of India.
- Pavan Duggal, Cyber Law, Universal Law Publishing.