

Total Marks: 75

Duration: 2½ Hrs

- N.B:
1. All questions are compulsory.
 2. Figures to the right indicate marks.
 3. Draw neat and labeled diagrams wherever necessary.

Q.1 Answer the following

- (A) Write note on : Computer Hardware (7)
- OR**
- (A) Draw and explain an ICT system diagram (7)
- (B) What is ICT? Explain the types of ICT. What is the use of ICT for an organization? (8)
- OR**
- (B) Explain the terms (8)
- i. Analog signals
 - ii. Digital Signals
- (C) Attempt *any ONE* of the following: (5)
- (i) What is Internet? What is E-commerce? What are the advantages of E-commerce?
 - (ii) What is Digitization?

Q.2 Answer the following

- (A) What is Cyber crime? Explain cyber crime against persons. (7)
- OR**
- (A) What is IPR (Intellectual Property Right)? What are the types of IPR? (7)
- (B) What is copyright? What are the two types of rights under copyright? (8)
- OR**
- (B) What is Plagiarism? What is wrong with Plagiarism? (8)
- (C) Attempt *any ONE* of the following: (5)
- (i) Write note on Cyber Space
 - (ii) Write a note on Cyber security

Q.3) Give an account of the following:

- (A) Explain Forest Act. (7)
- OR**
- (A) Explain Tsunami its effect and causes. (7)
- (B) Describe the structure of Atmosphere. (8)
- OR**
- (B) Describe Hydrosphere and biosphere. (8)
- (C) Attempt *any ONE* of the following: (5)
- (i) Define Floods.
 - (ii) Salient features of Water Act.

Q.4) Attempt *any THREE* of the following:

- (i) What is Sampling? Explain. (15)
- (ii) Explain Quantization in detail.
- (iii) Briefly explain Cyber terrorism
- (iv) Write a note on Patent
- (v) Define El Nino and La Nina
- (vi) Harmful effect of Ozone depletion.