Faculty of Engineering and Technology

Third Semester B.E. (Computer Technology)

(C.B.S.) Examination

SOCIAL AND ETHICAL ASPECTS OF IT

Time : Three Hours]   [Maximum Marks : 80

INSTRUCTIONS TO CANDIDATES

(1) All questions carry marks as indicated.

(2) Solve SIX questions as follows :

Que. No. **1** OR Que. No. **2**

Que. No. **3** OR Que. No. **4**

Que. No. **5** OR Que. No. **6**

Que. No. **7** OR Que. No. **8**

Que. No. **9** OR Que. No. **10**

Que. No. **11** OR Que. No. **12**

1. (a) Why fostering of good business ethics is important ?   7

    (b) Elaborate Ethical decision making process with neat sketch.   6

OR

2. (a) What is meant by compliance ? How does it help to promote right behaviour and discourage undesirable ones ? 6

(b) Define professional malpractice. Can an IT worker be sued for professional malpractice ? Why or why not ? 7

3. (a) Illustrate most common types of computer security attacks. 9

(b) Some IT security personnel believe that their organizations should employ former computer criminals to identify weaknesses in their organization security defence. Do you agree ? Why or why not ? 5

OR

4. (a) Differentiate between Industrial spying and competitive Intelligence. 4

(b) What is identity theft ? What techniques do identity thieves use ? 5

(c) What measures can an organization take to safeguard against computer incidents initiated by malicious insiders ? How might an organization prevent unintended computer incidents initiated by negligent insiders ? 5

5. (a) Arc Surveillance cameras worth the cost in resource and loss in privacy, given the role that play in determining or solving crimes ? 5

(b) Point out various strategies of consumer profiling and what are associated ethical issues ? 8

OR

6. (a) Write short notes on Defamation and Hate Speech. 5

(b) Write down Children Internet Protection Act (CIPA). How school and libraries subject to CIPA Act ? 5

(c) List different types of Internet filtering. 3

7. (a) What is cross licensing agreement ? How do large software companies use such agreement ? 6

(b) Bring out strength and limitations of using Copyright, Patents and Trade secret laws to protect intellectual property. 7

OR

8. (a) Write short notes on :

(i) Reverse Engineering

(ii) Competitive Intelligence. 8

(b) Illustrate four most common types of software product liability claims.

5

9. (a) Define H-1 B Visa. Enlist various steps in H-1 B application process.

7

(b) How Social Networking Website manages uploading of inappropriate material ?

6

OR

10. (a) What are contingent workers ? Explain advantages and disadvantages of employing contingent workers.

7

(b) Write short note on Green computing.

6

11. (a) Define productivity. Discuss relationship between IT investment and productivity growth.

7

(b) Write down advantages and disadvantages of Teleworking employee.

7

OR

12. (a) Define Telemedicine. Illustrate :

(i) Store and forward Telemedicine

(ii) Live Telemedicine.

7

(b) What is being done to reduce negative influence of digital divide ?

7