

Priyadarshini College of Engineering, Nagpur

Sessional Examination (2023-24) Odd Semester

B.Tech. Third Semester (Information Technology) (C.B.C.S)

Emerging Trends in Information Technology

P. Pages: 2

Duration : Three Hours

PCE/KW/23/BEIT304T

Max. Marks: 70

Notes:

1. All questions carry marks as indicated.
2. Solve Question 1 or Question 2.
3. Solve Question 3 or Question 4.
4. Solve Question 5 or Question 6.
5. Solve Question 7 or Question 8.
6. Solve Question 9 or Question 10.
7. Due credit will be given to neatness and adequate dimensions.
8. Assume suitable data wherever necessary.
9. Illustrate your answers whenever necessary with the help of neat sketches.

| Q. No. | Question | CO | BT | Marks |
|--------|--|-----|----|-------|
| Q1 | a) Enlist the types of topologies in detail. | CO1 | 1 | 6 |
| | b) Write a short note on the modes of data transmission. | CO1 | 1 | 8 |
| OR | | | | |
| Q2 | a) Explain the role of information technology in the emerging aspects. | CO1 | 2 | 7 |
| | b) Write a short note on the components of information technology. | CO1 | 1 | 7 |
| Q3 | a) Explain the E-Commerce Architecture in detail with proper diagram. | CO2 | 2 | 7 |
| | b) Describe Internet payment system? | CO2 | 2 | 7 |
| OR | | | | |
| Q4 | a) Write a short note on the 4 th C of E-Commerce. | CO2 | 1 | 7 |
| | b) Explain in Detail :- i) Smart cards ii) Credit cards iii) E-cash & E-check | CO2 | 2 | 7 |
| Q5 | a) Enlist the key points on Internet Service Provider. | CO3 | 1 | 7 |
| | b) Explain the role of firewall and its functionality? | CO3 | 2 | 7 |
| OR | | | | |
| Q6 | a) Explain in detail:- i) Viruses ii) Antiviruses | CO3 | 2 | 7 |
| | b) Write a note on security issues on E mail. | CO3 | 1 | 7 |
| Q7 | a) Differentiate between Inter & Intra banking. | CO4 | 2 | 7 |

b) Briefly explain the SSL ,SSL protocols with proper diagram.

CO4 2 7

OR

Q8 a) State the security key points related to E banking.

CO4 2 7

b) Explain in brief Electronic payment system.

CO4 2 7

Q9 a) Describe E-Governance strategies.

CO5 2 6

b) Explain E-Governance?State the types of E-Governance.

CO5 2 8

OR

Q10 a) Describe the following:-

- i) Query redresses system
- ii) Techineque desiminartion
- iii) Future trade Marketing

CO5 2 14

***** All The Best *****

process
management ←

client

data
management