

B.E. (Full-Time) DEGREE END SEMESTER EXAMINATION, NOV / DEC 2012
PRINTING TECHNOLOGY BRANCH
V SEMESTER – (REGULATIONS 2008)

PT 9303 – DIGITAL DATA HANDLING

Duration: 3 hours

Max. Marks: 100

Answer ALL Questions

PART A

(10 X 2 = 20 marks)

1. What is the use of pre-flighting?
2. What is the need for RIP?
3. What is network switch?
4. Differentiate PAN and MAN.
5. Briefly explain LZW?
6. What are features of JPEG?
7. What is ACID rule?
8. What is dead lock?
9. Explain briefly about data diddling.
10. What are security requirements of an operating system?

PART B

(5 X 16 = 80 marks)

11. Explain in detail the various stages in a digital workflow.
12. (a) Explain TCP/IP Protocol stack and OSI Protocol in detail.
(or)
(b) Explain about the star and ring topology and also the various network node components.
13. (a) What is lossless and lossy compression? Explain any two methods of lossless compression.
(or)
(b) Explain about any one of the audio compression technique.
14. (a) What are the different features of Database Management Systems? Explain its various components.
(or)
(b) Define Data Warehousing and Data Mining. Explain the concept of data mining with an example from customer analytic.
15. (a) What is a firewall? Explain the types of firewall with neat diagram.
(or)
(b) What is cryptography? Explain different cryptographic techniques with examples.