

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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B.A./B.Sc. (General) 4th Semester

1046

INFORMATION TECHNOLOGY

Paper-B : Data Networks and Web Based Application

Time Allowed : Three Hours]

[Maximum Marks : 65

Note : Attempt five questions in all including the compulsory question and taking one question each from Sections A-D.

(Compulsory Question)

1. Write short notes on the following :

- (a) What is a star topology ? 2
- (b) What is Java Bytecode ? 2
- (c) How can you perform file transfer ? 2
- (d) How do you insert an image in HTML webpage ? 2
- (e) What is difference between cell padding and cell spacing ? 2
- (f) Write a note on IEEE standards. 3

SECTION-A

2. Discuss in detail the OSI reference model and function of each layer.

13

3. (a) Discuss the various switching techniques.
- (b) Explain error detection codes.

13

SECTION-B

4. Discuss in detail shortest path routing and flooding algorithm in detail.
5. Write notes on :
 - (a) Congestion control
 - (b) Internetworking
 - (c) Cryptography.

13

13

SECTION-C

6. Discuss the various services provided by Internet and the internet access methods.
7. What is HTML ? How do you create different types of lists in HTML ? Explain with example.

13

13

SECTION-D

8. (a) Write an HTML code for creating the following frame window in HTML webpage :

FRAME 1	FRAME 2
FRAME 3	

- (b) Write a detailed note on CSS positioning.

13

9. What are constructors ? Why are they required ? Explain the different types of constructors used in Java with appropriate Java code.

13