

Sub Code

:

06EC44

IA Marks

:

25

Hrs/ Week

:

04

:

Exam Hours

SIGNALS & SYSTEMS (Common to EC/TC/IT/BM/ML)

Written by Administrator
Friday, 06 November 2009 14:32 -

:

03

Total Hrs.

:

52

:

Exam Marks

:

100

PART – A

7 Hours

UNIT 4:

Fourier representation for signals – 1: Introduction, Discrete time and continuous time Fourier series (derivation of series excluded) and their properties .

6 Hours

PART – B

UNIT 5:

Fourier representation for signals – 2: Discrete and continuous Fourier transforms(derivations of transforms are excluded) and their properties.

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REFERENCE BOOKS:

1. **Alan V Oppenheim, Alan S, Willsky and A Hamid Nawab**, "Signals and Systems"
Pearson Education Asia / PHI, 2nd
edition, 1997. Indian Reprint 2002

2. **H. P Hsu, R. Ranjan**, "Signals and Systems", Scham's outlines, TMH, 2006

3. **B. P. Lathi**, "Linear Systems and Signals", Oxford University Press, 2005

4. **Ganesh Rao and Satish Tunga**, "Signals and Systems", Sanguine Technical Publishers, 2004

Question Paper Pattern: Student should answer FIVE full questions out of 8 questions to be set each carrying 20 marks, **selecting at least TWO questions from each part**

Coverage in the Text:

UNIT 1: 1.1, 1.2, 1.4 to 1.8

UNIT 2: 2.1, 2.2

UNIT 3: 2.3, 2.4, 2.5

UNIT 4: 3.1, 3.2, 3.3, 3.6

UNIT 5: 3.4, 3.5, 3.6

UNIT 6: 4.1, 4.2, 4.3, 4.5, 4.6.

UNIT 7: 7.1, 7.2, 7.3, 7.4, 7.5

UNIT 8: 7.6 (Excluding 'relating the transfer function and the State-Variable description, determining the frequency response from poles and zeros) and 7.8