Exam.Code:0005 Sub. Code: 0481

2012

B.A./B.Sc. (General) Fifth Semester Industrial Chemistry Paper - A

Time allowed: 3 Hours

Max. Marks: 75

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit 1-1V.

X - X - X

. UNIT-I

- 1. a) Discuss various factors involved in project cost estimation.
 - b) Explain the economics of selecting alternatives.

(8,7)

- II. Write note on the following:
 - a) Capital formation
 - b) Break-even point
 - c) Time value of money equivalence

(3x5)

UNIT - II

- III. a) Discuss functions of Human Resource Management in detail.
 - b) Explain materials management.

(9,6)

- IV. Write complete notes on the following:
 - a). Inventory control
 - · b) Welfare and safety

(8,7)

UNIT - III

V. Discuss in detail principle, instrumentation and complete working of HPLC. Also draw neat sketch. (15)

- Vl. Explain the following:
 - a) Rheological properties of liquid plastics
 - b) Particle size determination

(8,7)

UNIT – IV

- VII. Discuss the following:
 - a) X-ray fluorescence.
 - b) Atomic absorption

(8,7)

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VIII.	Explain the following:-	
	a) Flame photometry	ž.
	b) Neutron diffraction	(7.8)
3.0	<u>UNIT – V</u>	
IX.	Attempt the following:-	
	a) Production scheduling	(4)
	b) Selection incentives	(3)
	c) Sampling of bulk materials	(3)
	d) Ion chromatography	(5)
	X - X - X	