B. Tech

SEONLA

Total number of printed pages – 4

B. Tech HSSM 4201

Fourth Semester Examination - 2007

ENGINEERING ECONOMICS AND COSTING

Full Marks - 70

Time - 3 Hours

Answer Question No. 1 which is compulsory and any five from the rest.

The figures in the right-hand margin indicate marks.

- Answer the following questions: 2×10
 - (a) Define 'engineering economics'.
 - (b) What do you mean by 'annuity due' ?
 - (c) What is 'annual equivalent'?
 - (d) Define 'compound interest'.
 - (e) What is 'future worth'?
 - (f) What do you mean by 'yield' ?

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Fourth Semester Exa

Full Marks

Time - 3 H

Answer Question No. 1 w and any **five** from The figures in the righ indicate ma

- Answer the following qu
 - (a) Define 'engineerin
 - (b) What do you mean
 - (c) What is 'annual equ
 - (d) Define 'compound
 - (e) What is 'future wor
 - (f) What do you mear

- (g) What is 'amortis
- (h) Define 'sensitiv
- (i) What is 'period
- (j) What is 'cutoff
- The current lease rate ing Company Ltd. or
 - (i) Rs. 18/Rs. 1,0
 - (ii) Rs. 12.5 / Rs. and five years to

While the monthly le contract are payable 5-years contract a Assuming 10% mail leasee, calculate the payments.

3. Explain the importance comparison. How ca with unequal life?

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Fourth Semester Exa ENGINEERING ECONOM

Full Marks

Time - 3 H-

Answer Question No. 1 v and any five from The figures in the righ indicate ma

- Answer the following qu
 - Define 'engineerin (a)
 - (b) What do you mean
 - What is 'annual equ (c)
 - Define 'compound (d)
 - What is 'future wor (e)
 - What do you mear (f)

The particulars of two p

Particuairs

Initial Outlay Cash inflow after taxes: Year-end

Service Life (in years)

Required rate of return: 0.10

Which of the above select? Explain.

- Differentiate betw 5. (a) and written down depreciation.
 - Discuss multiple-(b) one example.
- The following figures r company?

Sales

B. Tech

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Fourth Semester Exa ENGINEERING ECONOM

Full Marks

Time - 3 H

Answer Question No. 1 w and any **five** from The figures in the right indicate ma

- 1. Answer the following qu8/
 - (a) Define 'engineerin
 - (b) What do you mean
 - (c) What is 'annual equ
 - (d) Define 'compound
 - (e) What is 'future wor
 - (f) What do you mear

Find out:

- (a) P/V ratio
- (b) Fixed Cost
- (c) Break-even point
- (d) Margin of safty in 20
- From the following data variances:

	STANDA	RD
-	Quantity (Units)	Rs.
1 ^	3500	10
В	1500	21
C	1000	33

Write notes on:

- (a) Cost reduction
- (b) Process cost system.