Course No: ENGI 4317 Course Title:Engineering Economic Analysis

Economic Analysis Date: 25/10/2018

No. of Questions: 3(closed Book)

Time: 60 min.

Using Dictionary (No)

University of Palestine



Instructor:Eng. Islam Falouji
Eng. Abdallah Odwan

Eng. Abdanan Ouwan
Student No.:
Student Name:
College Name: Engineering
Dep. / Specialist:
Using Calculator (Yes)

Answer all questions

First question:
Mention stages of Decision Making Process
Define the following:
Profit region
2.00.0.2-6.00.
Sunk cost
Cash Flow Diagram

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Economic Analysis Date: 25/10/2018

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Time: 60 min.

Using Dictionary (No)

University of Palestine

Total Grade: 15



Instructor:Eng. Islam Falouji Eng. Abdallah Odwan Student No.: Student Name: _____

College Name: Engineering Dep. / Specialist: _ Using Calculator (Yes)

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Second	IC 11110	ction.
occom	Que	Suui.

We know that a certain piece of equipment will cost \$150,000 in 5 years. How much will it cost today by using 10% interest rate?
Your brother is buying an automobile that costs \$12,000. He will pay \$2000 immediately and the remaining \$10,000 in four annual end-of-yearswith principal payments of \$2500 each year. In addition to the \$2500, he must pay with 15% interest on the unpaid money each year. DRAW a cash flowthat represents the amount each year.
each year.
each year.
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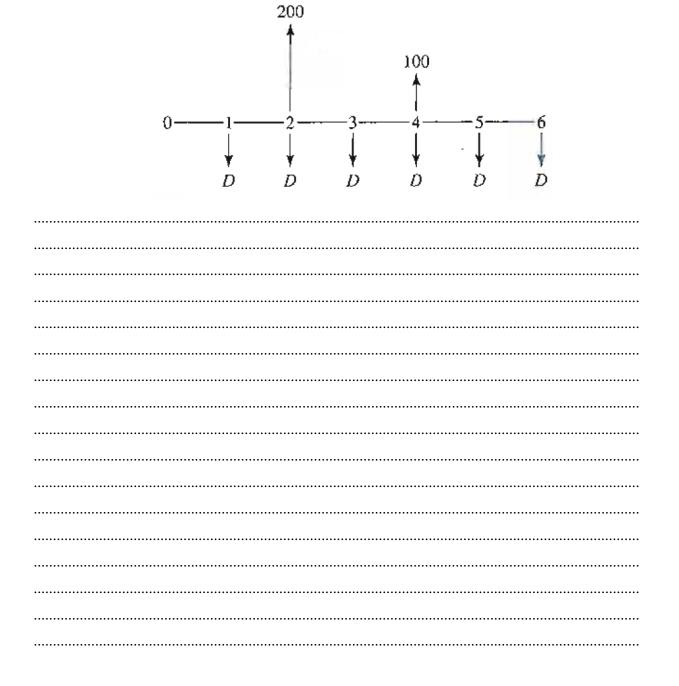
Instructor:Eng. Islam Falouji
Eng. Abdallah Odwan

Student No.:
Student Name:
College Name: Engineering
Dep. / Specialist:

Using Calculator (Yes)

Third question

Compute Dthat is equivalent to the amounts shown in CFDif i= 6%



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Time: 60 min.

Using Dictionary (No)

University of Palestine



First Mid Exam 1stSemester 2018/2019 Total Grade: 15 Instructor:Eng. Islam Falouji Eng. Abdallah Odwar

Eng. Abdallan Odwan
Student No.:
Student Name:
College Name: Engineering
Dep. / Specialist:
Using Calculator (Yes)

Formulas Sheet:

$$F = P (1+i)^n$$

$$P = F (1+i)^{-n}$$

$$F = A \{ [(1+i)^n_{-1}]/i \}$$

$$A = F \{i/[(1+i)^n_{-1}]\}$$

$$A = P \{[i (1+i)^n]/[(1+i)^n-1]$$

$$P=A \{[(1+i)^n_1]/[i(1+i)^n]\}$$