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	State	Finished Friday, 5 February 2021, 11:47 AM		
C	ompleted on			
	Time taken	49 mins 2 secs		
	Grade	<b>100.00</b> out of 100.00		
uestic	n <b>1</b>			
orrect				
lark 10	.00 out of 10.00			
1.0				
		wing two transactions:		
		20,000 at the time two years from now.		
		40,000 at the time eight years from now.		
If you	ur interest rate	s 15% per year, which option is more economically attractive?		
Sele	ct one:			
$\circ$	a. Option 2 l	y \$6000 in terms of present worth	cross o	
0	b. Option 2 I	y \$2,000	cross o	
	c. Option 1 l	y \$2,046 in terms of present worth ✔	cross o	
0	d. Option 1 l	y \$2,496 in terms of equivalent value at end of year 3	cross o	
uestic	on <b>2</b>			
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ark 10	.00 out of 10.00			
	ceiving \$7,500 of 10%?	at the end of each year for next five years is equivalent to what lump sum payn	ment at the end of two years at an interes	
Sele	ct one:			
0	a. \$22,545		cross o	
	b. \$34,402 •	•	cross o	
	c. \$25,747		cross o	
0				

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# ${\tt Question}~3$ Correct Mark 10.00 out of 10.00 3. You just opened a mutual fund account where you contributed \$10,000. If the mutual fund grows at an annual rate of 11.5%, how long do you need to wait to see the value of the mutual fund tripled? Select one: cross out a. about 9 years $\circ$ b. about 10 years cross out cross out $\circ$ c. about 10.5 years cross out d. about 11 years 🗸 Question 4 Correct Mark 10.00 out of 10.00 4.If you make the following series of deposits at an interest rate of 12% compounded annually, what would be the total balance at the end of 10 years? Select one: cross out

a. F = \$18,600

cross out

b. F = \$23,512

cross out

c. F = \$27,308 **✓** 

cross out

d. F = \$24,823

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## Question 5

Correct

Mark 10.00 out of 10.00

5.If \$2000 is deposited in a savings account at the beginning of each of 10 years (there are a total of 10 deposits) and the account draws interest at 15% per year compounded annually, the value of the account at the end of 10 years will be most nearly

#### Select one:

- a. \$40,607
  - b. \$8,091
    - c. \$46,698 🗸
- d. \$45,698

cross out

cross out

cross out

cross out

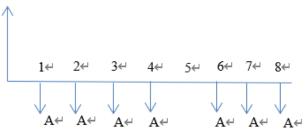
## Question 6

Correct

Mark 10.00 out of 10.00

6.If you borrow \$50,000 at an interest rate of 10%, compounded annually, with the repayment schedule as follows, what is the amount A?

\$50,000



### Select one:

- a. \$10,607 🗸
- b. \$7,143
- o c. \$9,372
- O d. \$10,270

cross out

cross out

cross out

cross out

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## Question 7

Correct

Mark 10.00 out of 10.00

7. How much do you need to deposit now in a saving account that earns a 12% annual interest, if you want to withdraw the annual series as

End of Year (n)	Amount of Deposit	Amount of Withdrawal
0	P	
1		\$1,000
2		\$1,250
3		\$1,500
4		\$1,750
5		\$2,000

#### Select one:

- 0 a. \$7,500 cross out
- b. \$5,204 🗸 cross out
- 0 c. \$4,875 cross out 0
  - d. \$3,605 cross out

#### Question 8

Correct

Mark 10.00 out of 10.00

- 8. Which of the following banks offers you a better interest deal for your deposit?
- •Bank A: 12%, compounded quarterly
- •Bank B: 11.5%, compounded continuously

Select one:

- cross out a. Bank A 🗸
- $\circ$ b. Bank B cross out
- cross out  $\circ$ c. Indifferent
- cross out  $\circ$ d. Not sufficient information to decide

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## Question 9

Correct

Mark 10.00 out of 10.00

9.What is the future worth of an equal quarterly payment series of \$9,000 for 11 years, if the annual interest rate is 12%, compounded monthly?

#### Select one:

O a. F = \$788,646

O b. F = \$813,375

c. F = \$807,564 **✓** 

O d. F = \$759,161

### Question 10

Correct

Mark 10.00 out of 10.00

10. The following table contains a summary of how a project's balance is expected to change over its five-year service life at 10% interest.

End of year	Investment / Income←	Interest⊄	Project Balance←	←
0←	4	4	-\$3000←	←
1←	←	←	-\$3000←	←
2←	↩	←	\$800€	←
3←ੋ	↩	↩	\$1000€	←
4←	←	4	\$2000€	←
5←	↩	↩	\$4000€	←

Which of the following statements is most accurate?

## Select one:

a. The required additional investment at the end of period 1 is \$600.

cross out

b. The net present worth of the project at 10% interest is \$2484. ✓

cross out

c. The income cash flow from the third year cannot be determined.

cross out

d. Until the end of the third year, the company would not able to recover all its investments and the cost of funds (interest) from the
project.

▼ Formula sheet

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