KINGDOM OF BAHRAIN MINISTRY OF EDUCATION

MODEL ANSWEERS

DIRECTORATE OF EXAMINATIONS / CENTRAL EXAMINATION SECTION

SECONDARY EDUCATION

FIRST SEMESER EXAM 2022/2023

توحيد مسارات : TRACK توحيد مسارات : COURSE CODE : 111 مال TIME : 2 Hours

QUESTION ONE:

1- Write the number in <u>letters</u> or <u>numbers for</u> the following:

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NO	<u>Numbers</u>	Number in <u>letters</u>
a	98	Ninety- eight // 10 x ½
b	5000,000	Five-million //
c	0.015	Fifteen Thousandths //
d	612.527 //	Six hundred twelve and Five hundred twenty-seven thousandths.
e	BD 15.325 //	Fifteen dinar and three hundred twenty -five fils

2- Find the place value of the number 2,340,285,389.92 :

Billions		N	Iillio	ns	Thousands		Units		Decimal System						
Hundred Billion	Ten Billion	Billion	Hundred Million	Hundred Billion	Ten Billion	Billion	Hundred Million	Hundred Billion	Ten Billion	Billion	Hundred Million	Decimal Point	Tenths	Hundi	3 12x ¹ / ₄
0	0	21/4	31/4	41/4	01/4	21/4	81/4	51/4	31/4	81/4	91/4	•	91/4	21/4	

3- Round the following numbers:

a- Round 4667 to the nearest thousand.

..5000 //...... 6 x ½

b- Round 20.3208 to the nearest hundredths. ...20.321 //.....

c- BD 11,437.11034 to the nearest fils.11437.110 //...........

QUESTION TWO:

20 x ½

Use the currency exchange table below to convert the following currencies:

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Foreign Currency		Selling BHD	Buying BHD
USA Dollar	USD	0.378000	0.375000
Euro	EUR	0.449100	0.446600
Saudi Arabian Riyal	SAR	0.100650	0.100000
Emirati Dirham	AED	0.103900	0.101400
Egyptian Pound	EGP	0.024041	0.022052
Jordanian Dinar	JOD	0.541800	0.531800

a- You have BHD 1000 Bahraini Dinars and would like to convert it to EUR Euro.

b- After you return from travel, you have USD 2500 USA Dollar and you want to get the Bahraini dinar.

=
$$2500///$$
 x// $0.375//$ = BHD 937.500/// or BHD JOD $0.375///$ 1 $2500///$??

QUESTION THREE:

26 x ½

a- An employee is engaged for 48 hours during the week at a basic rate of BD 5.000 per hour.

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Calculate the gross wage received during the period.

DAYS	SAT	SUN	MON	TUE	WED	THU
Hours	8	8	8	8	8	8
O.T during the day	0	0	2	0	1	0
O.T during the night	0	3	0	0	0	0

- Regular Wage = $(8/ + 8/ + 8/ + 8/ + 8/ + 8/ + 8/) \times 5/$ = BHD240 .000/
- Over Time of during the day = $(2/ + 1/) \times 5/ \times 1.25/ = BHD 18.750/$
- Over Time of during the night = $3/ \times 5/ \times 1.50/ = BHD 22.500/$
- Total Wages = $240.000 \pm \frac{1}{18.750} = 22.500 = BHD 281.250$



b- Fill in the missing value it the following table:

No	Employee	No Produced	Rate Per Piecd	Total Pay
1	Sami	500	BD2.400//	BD 1200
2	Ahmed	1000//	BD 0.650	BD 650
3	Ziad	1500	BD 1.250	BD 1875//

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QUESTION FOUR:

A-Complete the following invoice, showing the steps of the solution below:

30 x ½

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Bahrain Co.

Vat Invoice NO: 45101 TRN: 220045212133500 **Date**: 12/11/2022

Name: ALI H.J CPR: 854111245XX

04	Thomas	Unit Price	Total
Qty	Item	(BHD)	(BHD)
1	Photo-copier	1500.000	1500
1	Office table	300.000	300//
		(a)1800./.	
		(b) (90)/	
	2.1	(c) 1710/	
		(d) 171 /	
		(e)1881/	

(a) =
$$1500/ + 300/ = BD1800/...$$

B- A casting reel regularly pieced at BHD 36 is on sale for BHD 31.500. What is the percentage of Mark-down?

Mark down =
$$36 / -/ 31.500 / = BHD 4.500 /$$

Percentage of Mark-down = $4.500/ \div / 36/ \times 100 = 12.5\%/$



QUESTION FIVE:

 $22x \frac{1}{2}$

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Find the unknown factors of the following, showing the steps of solution below:

NO	Principal	Interest Rate	Time / Period	Simple Interest	Amount
a	BD 2000	5%	135 days	BD ???	BD ???
b	BD 3200	8½%	??? years	BD ???	BD 4832

a- SI= 2000// x 5% / x 135/
$$\div$$
 360/ = BD 37.500// A = 2000/ +/ 37.500/ = BD 2037.500/

b-Si =
$$4832 // -/ 3200 / = BD 1632 /$$

c-T =
$$1632 / \div /$$
 ($8\frac{1}{2}\% / x 3200/$) = 6 years//

