SECOND QUARTER EXAM in GENERAL MATHEMATICS School Year 2022-2023

Name:	Date:
Grade &Section:	Score:
	g questions thoroughly and choose the correct answer from TTER of your correct answer on the blank provided before
1. What interest remains constant A. Simple B. Compound	nt throughout the investment term? C. Annuity due D. Ordinary annuity
2. It is an interest computed bas A. Simple B. Compound	ed on the principal amount. C. Annuity due D. Ordinary annuity
A. Simple yields higher intere B. Simple interest has a shor C. Simple interest is always b D. Simple interest is compute	ter term than compound interest. Detter than compound interest. Ed based on the principal while Eputed based on the principal and also
4. If you would like to invest mor you do not plan to withdraw your money A. 5% simple interest per and B. 4% compounded interest of the compounded interest	num operannum per annum semi-annually
5. Which of the following statemed. A. It is the amount of money by B. It is the interest is computed accumulated past interests. C. It refers to the person (or in the fund from the lender. D. It refers to the person (or in the funds available. 6. Which of the following statemed. I. Compound interest of a load II. Simple interest remains continued.	ent is true about the borrower or debtor? corrowed or invested on the origin date. ed on the principal and also on the s nstitution) who owes the money or avails of nstitution) who invests the money or makes ents is/are true?
7. Which of the following formula A. I = Prt B. SI = Prt/100	a can be used to solve for the simple interest? C. A= P(1 + rt) D. All of the above

8	3. It is an amount after t years that the	lender receives from the borrower on
the matu	rity date.	
	A. Loan date	C. Maturity value
	B. Maturity date	D. Term
_) Which of the following describes tim	o or torm?
	Which of the following describes tim A. It is the date on which money is	
	B. It is the amount paid or learned f	
		borrowed or loan is to be completely repaid
		the money is borrowed or invested; length of timE
	between the origin and maturity	
	,	
1	0. In the formula, I= Prt, what is r?	
	A. Revenue	C. Repaid
	B.Real value	D. Rate of interest
1	1. It is the amount of money borrowed	d or invested on the origin date
'	A. Future value	C. Maturity value
	B. Pprincipal value	D. Repayment value
	2. i principal valdo	2. Ropaymont value
1	2. A person (or institution) who invest	s the money or makes the funds available.
	A. Lender	C. Both a and b
	B. Creditor	D. None of the choices.
	O It refers to an interset that is as your	stad based on the mineral and interest
	•	uted based on the principal and interest
accumui	ated every conversion period. A. Simple	C. annuity due
	B. Compound	D. Ordinary annuity
	B. Compound	D. Gramary armany
1	4. It refers to the amount after t years	that the lender receives from the borrower
on the m	naturity date?	
	A. Present value	C. Interest
	B. Future value	D. Ordinary annuity
1	5. Which interest is computed on the	principal and then added to it?
	A. Simple	C. Annuity due
	B. Compound	D. Ordinary annuity
	B. Compound	D. Ordinary armaty
1	6. The simple interest formula is $I = P$	rt. What does the t represent?
	A. Principle	C. Interest
	B. Time	D. Percent ratE
1	7. All of the following are used to find	
	A. Principal	C. Time
	B. Rate of interest	D. Future value
1	8. It is the amount after t years that th	ne lender will receive from the borrower.
	A. Future Value	C. Interest
	B. present Value	D. Principal
	·	·
1	9. Which of the following describes ra	• •
	A. It is the amount of money borrow	•
	B. It is the amount paid or earned f	•
	C. It is charged by the lender, or ra	
	ש. וג וו is computed on the principal a	and also on the accumulated past interests.

	. Rate of interest must be conve	rted into	_ before substituting to the
Torrial a	A. Fractions B. Decimals	C. Mixed nur D. Percentaç	
21	. The principal in the formula I = A. The amount of money borrown B. The percent interest for his you. The amount taxed D. The amount the bank owes	wed or deposited year	ustomer at their bank
22	. The interest from the previous	year also earns in	terest, which of the following
describes	the statement? A. Simple B. Compound	C. Rate D. Time	
23	Variable P in simple interest for A. Original Amount borrowed B. Original Amount invested	C. Maturity Ar	re the creditor stands for? nount Borrowed mount invested
24	 The following statements are tr A. The amount invested to a compaturity value than to a sime. B. The amount borrowed from maturity value than a compinity compaturity value than a compinity. C. The simple interest yields in D. The interest in a compound principal amount. 	ompounded interently interest a simple interest ound interest ound interest only from int	yields to a smaller nitial principal amount.
25 interests?	. What interest is computed on the	he principal and a	lso on the accumulated past
	A. Simple B. Compound	C. Annuity due D. Ordinary A	
	i. If the investment amounting to maturity value? A. ₱32,500	₱35,000 earned a	an interest of ₱2,500 how much
	B. ₱37,500	D. ₱40,000	
27	 Given that P = ₱5,250, r = 1.25 A. ₱32,812.50 B. ₱3,281.25 	5% and t = 5 years C. ₱328.13 D. ₱32.82	s, find the simple interest.
28	What is the frequency of conve	ersion if the annua C. 4	I rate is compounded quarterly?
	B. 3	D. 12	
29	. If the interest rate is 5% compo	ounded monthly, w	hat is the interest rate per
33.7731313	A. 2.5% B. 1.67%	C. 1.25% D. 0.42%	
30 value?	. Given that $Hss=750$, $r=5\%$ and	d t = 3 years, wha	t is the principal or present
· aiao :	A. ₱50	C. ₱5.000	

	B. ₱500	D. ₱50,000
31.	If F = ₱25,000 and P = ₱20,00 A. ₱45,000 B. ₱25,000	0, how much is the compound interest? C. ₱20,000 D. ₱5,000
For number	ers 11 – 12, use the following va	llues: F = 40,000, t = 3 $\frac{1}{2}$ years, i^4 =0.10 and m= 4
32.	What is the present value? A. ₱30, 000.25 B. ₱28, 309.09	C. ₱25, 307.15 D. ₱20, 432.75
33.	How much is the compound in A. ₱9,999.75 B. ₱11,690.91	terest? C. ₱14,692.85 D. ₱19,567.25
34.		and the compound interest is ₱3,500, how much is the
	A. ₱26,500 B. ₱23,000	C. ₱19,500 D. ₱15,000
For number	ers 14 – 15, use the following va	alues: P = ₱15,000, i^{12} =5%, t = 4 years, m = 12.
35.	How much is the maturity value A. ₱18, 313.43 B. ₱17, 413.37	e? C. ₱16, 313.37 D. ₱15, 413.43
36.	How much is the compound in A. ₱413.43 B. ₱1,313.37	terest? C. ₱2,413.37 D. ₱3, 313.43
37.	Which of the following describe A. Simple interest B. Compound interest	ed to formula <i>I_s=Prt</i> ? C. Present value D. Maturity value
38.	What will you get if you divide A. Present value of compound B. Present value of simple inte C. Maturity value of compound D. Maturity value of simple inte	rest I interest
39.	•	₱45,000 earned an interest of ₱3,500 how much will be
the matum	A. ₱41,500 B. ₱48,500	C. ₱40,000 D. ₱25,000
40.	Given that P = ₱15,250, r = 3.2 A. ₱24,868.80 B. ₱14,868.80	25% and t= 3 years, find the simple interest. C. ₱1,486.88 D. ₱148.69
41.	Given that P = ₱20,820, r = 2,7 A. ₱ 351.34 B. ₱ 3513.38	1/4% and t = 9 months, find the simple interest. C. ₱ 4,216.05 D. ₱ 42160.50

	42. What is the frequency of conversion if the annual rate is compounded		
monthly?	A. 2 B. 3	C. 4 D. 12	
43.		pounded quarterly, what is the interest rate per	
	A. 3% B. 2.5%	C. 1.25% D. 0.42%	
44.	Given that <i>Is</i> =3,750, r = 2 ½ % A. ₱500 B. ₱5,000	% and t = 3 years, what is the principal or present value? C. ₱50,000 D. ₱500,000	
45.	Given that F = ₱50,000 and P A. ₱15, 000 B. ₱25,000	= ₱35,000 how much is the compound interest? C. ₱35,000 D. ₱45,000	
For number	ers $11 - 12$, use the following va	alues: F = 150,000, t = 6 years, i^2 =5% and m= 2	
46.	What is the present value? A. ₱100,353.83 B. ₱111,533.38	C. ₱123,153.83 D. ₱132,531.38	
47.	How much is the compound in A. ₱49646.17 B. ₱38466.62	nterest? C. ₱26846.17 D. ₱17468.62	
	•	0 and the compound interest is ₱3,500, how much is the	
present va	nue? A. ₱53,500 B. ₱46,500	C. ₱46,000 D. ₱3,000	
For number	ers 14 – 15, use the following va	alues: P=₱150,000, <i>i</i> ²=6%, t=4 years, m=2	
49.	How much is the maturity value. A. ₱190, 015.51 B. ₱179, 413.35	ie? C. ₱167, 313.51 D. ₱159, 413.35	
50.	How much is the compound in	nterest?	
	A. ₱9,413.35 B. ₱17,313.51	C. ₱29,413.35 D. ₱40,015.51	
51.	How much money will Michae A. ₱ 459.38 B. ₱ 4,593.75	I add on his funds for his new business? C. ₱ 6,000.00 D. ₱ 60,000.00	
52.	How much will he need to pay A. ₱ 5,709.38 B. ₱ 9,843.75	after 5 years? C. ₱ 11,250.00 D. ₱ 65,250.00	
5 0	If Michael barrowed the same	amount of manay navable for the same number of years	

____53. If Michael borrowed the same amount of money payable for the same number of years and Castañas Cooperative Bank offered a promo as part of its anniversary celebration and make all the interest loans 1.25%, how much interest must be paid?

	A. ₱ 3,750.00 B. ₱ 37,500.00	C. ₱ 63,750.00 D. ₱ 70,000.00	
	54. How much will he need t A. ₱ 64,500.00 B. ₱ 65,250.00	o pay after 6 years if he availed the promo? C. ₱ 70,000.00 D. ₱ 74,500.00	
born A E		, then Juan is a Filipino.	
cons	structing the truth table? A. 1	sitions, p and q, how many rows should be included in C. 4 D. 8	
E	Du don't get hired." A. You wear matching socks to the socks. You don't wear matching socks. You don't wear matching soch. You don't wear matching soch. If you don't wear matching soch soch soch soch soch soch soch soch	ks to the interview or you get hired. ks to the interview and you don't get hired. cks to the interview, then you don't get hired. ay lives in Sarangani and q: Jay drives a red car, write the Sarangani and Jay drives a red car" using the appropriate	V
	A. p ∧ q B. p ∨ q	C. $p \rightarrow q$ D. $p \leftrightarrow q$	

_59. Determine the truth values of the proposition : $(p \land p) \leftrightarrow p$ A. B. C.

(p ∧ p) ↔ p

T

T

T

(p∧p) ↔ p F

F

(p ∧ p) ↔ p

T

F

T

(p ∧ p) ↔ p

F

T

T

D.

_60. Which of the following is a valid argument?

- A. All animals are mortal. A lion is an animal. Therefore, a lion is mortal.
- B. All rocks are hard. Some rocks are blue. Therefore, some blue are hard.
- C. If I lie, then I will say sorry. I said sorry. Therefore, I lied.
- D. If I lie, then I will say sorry. I did not lie. Therefore, I did not say sorry

.