Exam

https://selldocx.com/products/test-bank-psychology-first-canadian-edition-by-amy-j-marin-1e-nan

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) The national income acc	ounts			1)			
A) are an accounting framework used in measuring current economic activity.							
B) are an accounting	framework used in mea	suring government incom	ne.				
C) are an accounting	framework used in mea	suring firms income.					
D) are an accounting	framework used in mea	suring households incom	e.				
2) The three approaches to	measuring economic ac	tivity are the		2)			
A) consumer, busine	ss, and government app	roaches.					
B) private, public, ar	nd international approac	hes.					
C) cost, income, and	expenditure approaches						
D) product, income,	and expenditure approa	ches.					
3) Which of the following:	statements is true?			3)			
A) GDP calculated by	y expenditure approach	is greater than GDP calcu	lated by product				
approach.							
B) GDP calculated by approach.	y product approach is gr	eater than GDP calculated	d by expenditure				
C) All three approach	hes for calculating GDP	will result in the same val	ue for GDP.				
D) GDP calculated by approach.	y income approach is gro	eater than GDP calculated	by expenditure				
4) The <i>value added</i> of a prod	ducer is the			4)			
· ·	ales once externalities ar	e accounted for					
		inputs it purchases from c	ther producers				
•		I minus its change in inve	•				
	•	_					
D) quanty-adjusted	amount of its total sales	less any commissions paic	1.				
5) The A company collects	hushals of wild harries	which it salls for \$2 millio	on to the Ricompany to	5)			
		am is sold for a total of \$6					
total contribution to the							
A) \$2 million	B) \$4 million	C) \$6 million	D) \$8 million				
6) The A company collects	bushols of wild borrise	which it calls for \$2 million	un to the D company to	6)			
		am is sold for a total of \$6		·			
value added of company		2 15 5010 101 a total 01 w					
A) \$2 million	B) \$4 million	C) \$6 million	D) \$8 million				

7) The Compagnie Naturelie sells mounted butterflies, using butterfly bait it buys from another firm for \$20 thousand. It pays its workers \$35 thousand, pays \$1 thousand in taxes, and has profits of \$3 thousand. What is its value added?					
A) \$3 thousand	B) \$19 thousand	C) \$39 thousand	D) \$59 thousand		
8) The fundamental identit	y of national income acco	unting tells us that		8)	
A) total production <	total income + total exper	nditure.			
B) total production =	total income = total expe	nditure.			
C) total production =	total income + total exper	nditure.			
D) total production =	total income - total exper	nditure.			
9) One problem with using	market values to measur	e GDP is that		9)	
A) some useful goods	and services are not sold	in markets.			
B) prices for some go	ods change every year.				
C) market values of e	xport goods are usually p	riced in foreign currencie	S.		
D) you cannot compa	re completely heterogene	ous goods by using their	dollar values.		
$10)$ Which of the following ${ m s}$	statements is <i>true</i> ?			10)	
A) The fundamental i		e accounting states that the acches must be identical.	ne GDP measured by	, <u> </u>	
B) Total expenditures	s and total income are the	same measures of econor	nic activity.		
C) The product, incomeasure of econor		oaches must generate the	same answer to the		
D) All of the above.					
11) The measurement of GD	P includes			11)	
A) purchases and sale	es of goods produced in p	revious periods.			
B) estimated values of	of activity in the undergro	und economy.			
C) nonmarket goods	such as homemaking and	child-rearing.			
D) the benefits of clea	ın air and water.				
12) Underground activities i	n the economy are			12)	
A) excluded from me	asurements of the GDP be	ecause they are not benefi	cial to the nation.		
B) included in GDP i	f legal and excluded from	GDP if illegal.			
C) estimated and incl	uded in measurements of	GDP.			
D) excluded from the	measurements of GDP be	ecause there is no way of	measuring them.		
13) Because government ser	vices are not sold in mark	ets		13)	
•	their cost of production.			·	
-	value their contribution.				
	from measurements of G	DP.			
-		et value and uses this to n	neasure the		

government's contribution to GDP.

14) Countries A and B have the same GDP. In country A, people eat often in restaurants, but in					
= : :	more often at home. Therefo	ore			
•	timated in country B.				
	ties are overestimated in co	-			
	ties are underestimated in	•			
D) GDP represents	accurate measure of econo	omic activities in both cou	intries.		
15) Intermediate goods ar	re			15)	
A) either capital go				· —	
B) goods that are uproduced.	ised up in the production o	f other goods in the same	period that they were		
C) final goods that	remain in inventories.				
D) capital goods, w earlier periods.	hich are used up in the pro	oduction of other goods b	ut were produced in		
16) Which of the followin	g statements is <i>true</i> ?			16)	
A) Capital goods a	re produced in the same ye ods are produced in differe		ods, whereas	· <u> </u>	
B) Capital goods a	re final goods because they	are not used up during a	ı given year.		
C) Capital goods a than one year.	re produced in one year an	d final goods are produce	ed over a period of more		
D) Capital goods a	re a type of intermediate go	ood.			
17) Capital goods are				17)	
	ame period that they are p	roduced.		´ -	
	he GDP as final goods.				
C) not used to prod	•				
•	roduce other goods.				
	chases five new boats at \$2			18) _	
these transactions was	ells its old boats to the publ	ic for \$500 thousand. The	net increase in GDP of		
A) \$500,000.	B) \$1,000,000.	C) \$1,250,000.	D) \$1,500,000.		
10)				10)	
19) Inventories are		000		19) _	
	n annual measurements of				
	measurement of capital go				
	measurements of intermed	•			
D) included in mea	asurements of GDP only if t	they have changed from t	he preceding year.		
20) GDP differs from GN	P because			20)	
A) $GDP = GNP - n$	et factor payments from ab	oroad.			
B) GNP = GDP - n	et factor payments from ab	oroad.			
C) GNP = GDP - c	apital consumption allowa	nces.			

 $D) \ \mbox{GDP = GNP - capital consumption allowances}.$

21) Which of the following statements is <i>true</i> ?		21)
 A) GDP is always greater than GNP because the net negative. 	factor payments from abroad is always	
B) GDP and GNP are always the same because the r zero.	net factor payments from abroad is always	
 C) GNP is always greater than GDP because the net positive. 	factor payments from abroad is always	
D) GDP may be greater, equal, or smaller than GNP abroad may be negative, zero, or positive.	because the net factor payments from	
22) If a Canadian construction company built a road in Kur	wait, this activity would be	22)
A) fully included in Canadian GDP.		
B) included in Canadian GDP but not Canadian GN	IP.	
C) excluded from Canadian GNP.		
D) included in Canadian GNP only for that portion and labour.	that was attributable to Canadian capital	
23) Nations such as Egypt and Turkey have wide different countries	es between GNP and GDP because both	23)
A) purchase large amounts of military wares from o	other countries.	
B) have a high level of imports and exports relative	to GNP.	
C) have a large number of citizens working abroad.		
D) have a large portion of their GNP produced by m	nultinational corporations.	
24) Suppose Toyota built a new automobile plant in Mexic Canadian capital, and Mexican labour. Which of the following	• . • .	24)
 A) The portion of output contributed by Japanese m Japanese GNP nor GDP. 	anagement would be included in neither	
B) The portion of output contributed by Japanese m Japanese GNP and GDP.	nanagement would be included in both	
 C) The portion of output contributed by Mexican Ial GNP and GDP. 	bour would be included in both Mexican	
D) The portion of output contributed by Canadian of GDP.	apital would be included in Canadian	
25) The income-expenditure identity says that		25)
A) Y = C + S + G.	(B) Y = C + I + G + NX = CA.	
C) Y = C + I + G + NX.	$O)\;Y=C+I=G.$	
26) If GDP in an economy is greater than its GNP, it means	that	26)
A) net factor payment from abroad is zero.		
B) there is a measurement error.		
C) net factor payment from abroad is positive.		
D) net factor payment from abroad is negative.		

27) In using the expenditure approach to GNP, consumption includes	27)
 A) all final goods consumed by domestic households produced produced abroad. 	I at home, but not those
 B) all final and intermediate goods consumed by domestic hou not those produced abroad. 	iseholds produced at home, but
C) all final and intermediate goods consumed by domestic hou	useholds and firms.
D) all final goods consumed by domestic households produced	I at home and abroad.
28) In using the expenditure approach to GDP, consumption	28)
A) excludes all purchases by business firms.	
B) includes houses, consumer durables, nondurable goods, and	
C) includes residential investment, nondurable goods, and serv	
D) includes consumer durables, semi-durable goods, nondural	ble goods, and services.
29) In the expenditure approach to GDP, which of the following woul measurements of GDP?	ld be excluded from 29)
A) government payments for goods produced by firms owned	by state or local governments
B) government payments for goods produced by foreign firms	
C) government payments for welfare	
D) All government payments are included in GDP.	
30) Net national income is equal to	30)
 A) net domestic product minus indirect business taxes and emp Unemployment Insurance. 	ployer contributions to
B) GDP minus depreciation.	
C) GDP minus depreciation. C) GDP minus depreciation and indirect business taxes.	
D) net domestic product minus depreciation and indirect busin	ness taxes
D) het domestie product minus depreciation and maireet busin	icss taxes.
31) Monica grows coconuts and catches fish. Last year she harvested 1 values one fish as worth three coconuts. She gave Rachel 300 cocon	
to harvest coconuts and catch fish, all of which were consumed by	Rachel. Monica set aside 200
fish to help with next year's harvest. In terms of fish, Monica's income A) 900 fish. B) 1100 fish. C) 2700 fish	
11) 700 H3H.	1. D) 100 H3H.
32) Private disposable income equals	32)
A) national income - taxes + transfers + interest.	
B) GNP - taxes + transfers + interest.	
C) NNP - taxes + transfers + interest.	
D) national income - taxes - transfers	
33) Private saving is defined as being equal to	33)
A) net national product minus consumption.	
B) private disposable income minus consumption plus interest	t plus transfer payments.
C) private disposable income minus consumption.	
D) private disposable income minus consumption plus interest	ī.

34) Assume that the municipal government of Lethbridge, Alberta, has taxes of \$500, government purchases of \$350, transfer payments of \$150, and interest expenses of \$50. The government budget would					
A) show a deficit of	\$50.				
B) be in balance witl	n neither a surplus nor a d	deficit.			
C) show a surplus of	f \$50.				
D) show a surplus of	f \$100.				
35) The government budge	t surplus equals			35)	
A) government outla		B) government pu	rchases minus transfers.		
C) government purc	hases plus transfers.	D) government red	ceipts minus outlays.		
purchases of goods and	nterest payments on the g services are \$300	. •		36)	
A) government savii B) government savii	•				
, 0	vill not have any saving.				
D) government savi	, ,				
D) government savii	ig will be \$100.				
37) National saving equals		-	turns equals	37)	
A) GDP + NFP - C -	G.	B) GDP + C + G.			
C) GDP + NFP.		D) C + S + T.			
38) The uses-of-saving ide	ntity says that an econom	y's private saving is use	d for	38)	
A) investment, interes	est expenses, the governm	nent budget deficit, and	the current account.		
B) investment, the g	overnment budget deficit	, and the current accoun	t.		
C) investment, intere current account.	est expenses, the governm	nent budget deficit, trans	fer payments, and the		
D) investment, interes	est expenses, and the gove	ernment budget deficit.			
39) The uses-of-saving ide following must happen	•	vernment budget deficit	rises, then which of the	39)	
A) Private saving mu	ust rise, investment must	fall, and/or the current a	ccount must rise.		
B) Private saving mu	ust rise, investment must	rise, and/or the current a	account must fall.		
C) Private saving mu	ust rise, investment must	rise, and/or the current a	account must rise.		
D) Private saving mu	ust rise, investment must	fall, and/or the current a	ccount must fall.		
40) In 2001 private saving i	n the country of Polity wa	as \$112 billion, investme	nt was \$114.5 billion, and	40)	
	ance was -\$26.5 billion. Fr				
the government of Polit	_				
$\mathrm{A})$ -\$24 billion	$\mathrm{B})$ -\$39 billion	C) \$39 billion	D) \$24 billion		

41) In 2001 national saving in the country of Polity was \$85 billion, investment was \$112 billion, and private saving was \$114 billion. How much was the current account balance?					41)		
	35 billion		B) -\$27 billi		C) \$27 billion	D) -\$35 billion	
_					variable.		42)
A) f	low; flow		B) stock; sto	ck	C) stock; flow	D) flow; stock	
	ring GDP in						43)
B) is	s the most ef production h	fective m as change	ethod becaused over time.	se it accur	,	n economy's physical	
	s the market ⁄ear.	value of	an economy'	s final out	put using the market	prices of a given base	
D) is	s unreliable	because t	he quality of	goods cha	anges over time.		
44) Investr	nent in the U	Jnited Sta	ites is greater	than the	national saving. This	implies that	44)
A) t	he current a	ccount is	negative.		B) the current acc	ount is positive.	
C) f	irms are ver	y produc	tive.		D) the current acc	ount is zero.	
45) If a country runs a current account, it means that its national saving is than investment.							
A) b	alance, less				B) surplus, greate	r	
C) c	leficit, less				D) deficit, greater		
46) Canada	a's current ac	ccount ha	s recently be	en negativ	/e. This means that		46)
A) (Canadian tra	de partne	ers also have	a current	account deficit.		
*		U	han saving i				
C) s	aving is grea	ater than	investment ir	n Canada.			
D) t	he interest ra	ate is high	ner in Canada	a compare	ed to the United States	S.	
	•				r, and it has publishens and prices are doll	<u> </u>	47)
	2000		2001				
Good	Quantity	Price	Quantity	Price			
Milk	500	\$2	900	\$3			
Butter	2000	\$1	3000	\$2			
			ninal GDP gr	ew by	C)	D)	
A) 6	0.0%.		B) 65.5%.		C) 83.3%.	D) 190.0%.	

48)	A varia	ble-weight	price inde	×					48)
ĺ		•	•		at current	prices divided	by the value	of current output at	, <u> </u>
	b	ase-year pr	ices.						
		quals the va ase-year pr		ked basket a	t current	prices divided b	y the value o	of a fixed basket at	
				t cannot dis	tinguish k	oetween nomina	al and real me	2ası ires	
				r price inde		octive eri Horrinie	ii and real me	asarcs.	
	D) i:	s used in the	e consume	i price maez	Κ.				
49)		•	<i>J</i> .			er, and it has pu		•	49)
	macroe	conomic da	ita, where	quantities ai	re in gallo	ns and prices ar	e dollars per	gallon:	
		2000		2001					
	Good	Quantity	Price (Quantity	Price				
	Milk	500	\$2	900	\$3				
	Butter	2000	\$1	3000	\$2				
			2001, the p	ercent chan	ge in the	price level as me	easured by a	variable-weight	
	-	idex was							
	A) 6	0.00%.]	3) 81.25%.		C) 83.33%.		D) 123.08%.	
50)	Use the	following i	nformatio	n to answer	this ques	tion about the co	ountry of Pol	ity:	50)
		J			•		,	,	, <u> </u>
		2000		2001					
	Good	Quantity	Price	Quanti		ice			
	Guns	4000	\$4	4500		66			
	Butter	5000	\$3	5200		52			
		c							
				idex with 19	198 as the	base year, what	is the percen	t change in real	
	•	from 2000 t		2) 100/		C) 120/		D) 150/	
	A) 8	%	J	3) 10%		C) 12%		D) 15%	
51)						er, and it has pu			51)
	macroe	conomic da	ita, where	quantities ai	e in gallo	ns and prices ar	e dollars per	gallon:	-
		2000		2001					
	Good	2000 Quantity	Price	2001	tu Dr	ice			
	Milk	500	\$2	Quanti 900		33			
	Butter	2000	\$2 \$1	3000		52			
	Dutter	2000	ψι	3000	٠, ١	<u> </u>			
	Betwee	n 2000 and	2001. real	GDP arew b	v how m	uch, using a var	iable-weight	price index?	
	A) 3			3) 60.05%	J	C) 83.3%	g	D) 190.0%	
	, 0		-	-, 00.0070		2, 30.070		_ , . , 0.0 , 0	
-								,,	50)
52)					and real C	SDP for 2001 is \$	66720 billion	(in 2000 dollars),	52)
		e growth ra				C) -0:		D) 500;	
	A) 0	%.	J	3) 0.5%.		C) 5%.		D) 50%.	

53) If real GDP falls by 1 percent, but the nominal GDP rises by 5 percent, then we must conclude that							53)	
	A) the price level rises by 6 percent. B) the price level rises by 5 percent.							
C) the price level falls by 1 percent. D) the price level							I falls by 4 percent.	
54)						nominal GDP w ns of 1991 dollar	ras \$360 billion in 1991 and s would be	54)
	A) \$	300 billion.	B)	\$384 billion.		C) \$400 billion.	D) \$424 billion.	
55)	55) Suppose that nominal GDP in 1990 was \$1,015.5 billion, and in 2000 it was \$2,732.0 billion. The GDP deflator is 42.0 for 1990 and 85.7 for 2000, where 1992 is the base year. Calculate the percent change in real GDP in the decade from 1990 and 2000. Round off to the nearest percentage point.							
	A) 3.			104%		C) 132%	D) 169%	
56)		•	•	•			illion in 1980 and rose to	56)
	1980 an	d 118.6 for 19 option expend	990, where litures (rou	1986 is the bas inded to the n	se year. C earest pe	alculate the perc centage point) in		
	A) 3	1%	В)	61%		C) 114%	D) 133%	
57) A fixed-weight price index								
	A) is	sused to calcu	ulate the G	DP deflator.				
		quals the valu ase-year pric		nt output at cu	ırrent pri	ces divided by th	e value of current output at	
		quals the valu ase-year pric		d basket at cui	rent pric	es divided by the	e value of a fixed basket at	
	D) is	s misleading t	oecause it o	annot disting	uish betw	een nominal and	d real measures.	
58)	•						while the GDP deflator GDP between 2000 and	58)
	2001?				.			
	A) 5	.5%	B)	2.9%		C) 2.6%	D) 1.0%	
59)		•	٠.			•	ed the following	59)
	macroe	conomic data	, where qu	antities are in	gallons a	nd prices are do	llars per gallon:	
		2001		2002				
	Good	Quantity	Price	Quantity	Price	_		
	Milk	500	\$2	900	\$3			
	Butter	2000	\$1	3000	\$2	_		
			•	cent change in the fixed "bas	•		red by a fixed-weight index	
	and use	, o production	2001 us	and invode bas	or go	Jaj waj		

C) 83.33%.

D) 123.08%.

B) 81.25%.

A) 60.00%.

60) On January 1, 2001, the GDP deflator for Old York was 300, and on January 1, 2003, the GDP deflator had risen to 330.75. Based on this information, the annual average inflation rate for the two years was						60)
	A) 5%.		B) 5.125%.	C) 10%.	D) 10.25%.	
61)	· -	=		t is 1.4, what is the inflatio		61)
	A) -4%	D.	B) 1.4%	C) 4%	D) 40%	
62)	annual in	flation rate, usi	ex is 132 in 2004 and 1 ng 2003 as a base year	12 in 2003 when the base 7, is	year is 1997. The 2004	62)
		percent.				
	B) 12 p C) 20 p					
			is not sufficient infor	mation.		
63)	GDP defla	ator is				63)
		rice index that is sehold baskets		evel of prices of goods an	d services included in	
	B) a pr GD		measures the overall I	evel of prices of goods an	d services included in	
	C) obta	ained by meası	uring the price of good	ds and services in a base y	rear.	
	D) obta	ained by dividi	ng real GDP over nor	ninal GDP.		
<i>(</i> 1)	.,			(251)		<i>(</i> 4)
64)	_	Tyen information 31 of each year		rice index (CPI), where the	e values given are those for	64)
	Year	CPI				
	1997	126.1				
	1998 1999	133.8 137.9				
	2000	141.9				
	2001	145.8				
	In which	vear was the in	flation rate the highes	it?		
	A) 1998		B) 1999	C) 2000	D) 2001	
65)	The consu	ımer price inde	ex (CPI) is 311.1 for 20	02 when using 1975 as the	e base year (1975 = 100).	65)
		oose we switch			at is the CPI for 1975 with	
	A) 20.2	2	B) 32.1	C) 48.4	D) 56.2	
66)	The real in	nterest rate is e	qual to			66)
			ate + inflation rate.	B) nominal intere	est rate / inflation rate.	´
C) nominal interest rate - inflation rate. D) nominal interest rate × inflation rate.						

67) Which of the following s	tatements is false?			67)				
		pected real interest rate as	long as there is a	, <u> </u>				
positive expected i	nflation rate.							
B) The expected real interest rate is the correct interest rate to use for studying people's								
decisions about how much to borrow or lend.								
	ate can be either positiv	-						
D) The expected real i	nterest rate can be eith	er positive, zero, or negati	ive.					
68) By Marks buys a one-year	<u> </u>			68)				
		er. During the year the CF						
		, and the real interest						
A) 36%; 24%	B) 9%; 1%	C) 36%; 12%	D) 9%; -1%					
69) The expected real interes	t rate 7 is equal to			69)				
A) nominal interest ra	ite plus expected inflati	on rate.						
B) expected nominal	interest rate minus infla	ation rate.						
C) nominal interest ra	te minus inflation rate.							
D) nominal interest ra	te minus expected infla	ation rate.						
70) Mark buys a one-year G	erman government bor	nd (called a bund) for \$400). He receives principal	70)				
	,	g the year the CPI rose fro		·				
	=	ne year. Mark had expecte	ed the real interest rate to					
be, but it actual			D) 10/ 20/					
A) 8%; 1%	B) 6%; 3%	C) 3%; 1%	D) 1%; 3%					
71) If national savings in an		•	-	71)				
		-\$2 billion, total investme						
A) \$74 billion.	B) \$47 billion.	C) \$45 billion.	D) \$57 billion.					
72) If we choose 2007 as a ba	se year, then in 2007			72)				
A) nominal GDP will	be greater than real GE	OP.						
B) nominal GDP will	be the same as real GD	P.						
C) nominal GDP will	be smaller than real GI	OP.						
D) we cannot compar	e nominal GDP and rea	al GDP without having the	eir actual values.					
73) The GDP deflator and th	e CPI			73)				
<i>'</i>	and nominal GDP, resp	oectively.						
B) measure the aggre		 .						
C) measure inflation.	3 p							
D) measure nominal (GDP and real GDP, resi	oectively.						

74) The fact that Dollarama's sales increased during the recent recession indicates thatA) the CPI is a better measure for the cost of living than the GDP deflator.				
		the true increases in the cos		
	tes the actual cost of livin		a or many.	
		s the true increases in the co	ost of living.	
,	,		3	
75) The real interest rate				75)
A) can be negative.				
B) is always smaller	than the nominal interes	st rate.		
	than the nominal interes	t rate.		
D) is always positiv	е.			
76) The expected real inter	east rata is			76)
•	nal interest rate to the exp	nected inflation rate		<i>(</i> 0)
		st rate and the expected inf	lation rate	
	nal interest rate to the inf	·	iditori idic.	
	tween the nominal interes			
=) d d d.				
77) If real interest is 2 perc	ent and the expected infla	ation rate is 5 percent, then	the nominal interest	77)
rate is	D \ -	G), a =	D) -	
A) 0.4 percent.	B) 7 percent.	C) 2.5 percent.	D) 3 percent.	
78) Which of the following	transactions is part of th	e Canadian GDP?		78)
-		m an online store in Taiwa	n.	, <u> </u>
		onth in the Toronto Stock E		
		hased last year) to the book		
D) Mary Jane buys I	ner husband dinner in Va	incouver.		
70)				7 0\
79) Suppose that the nation The country should ha		y is \$50 billion and total inv	vestment \$60 billion.	79)
•	ve n the amount of \$110 billi	on		
	the amount of \$110 billio			
<i>'</i>	the amount of \$10 billion			
	n the amount of \$10 billio			
= / a a a a a a a a p a a n				
80) If the GDP deflator in 3	2017 is 110.5 and the base	year is 2016, then the infla	tion rate in 2017 will be	80)
80) If the GDP deflator in 2017 is 110.5 and the base year is 2016, then the inflation rate in 2017 will be A) 10.5 percent. B) less than 110.5.				
C) 110.5 percent.		D) more than 110.5.		

81) Consider that a consumer likes chicken and beef equally well and in the base year consumes equal amounts of each. If the price of chicken rises sharply next year, she will eat beef almost exclusively. The official CPI, which uses the base year basket as a measure the cost of living, will A) reflect the true changes in the cost of living.	81)
B) be biased downward.	
C) underestimate the true cost of living.	
D) be biased upward.	
82) Which of the following is <i>true</i> about the nominal and real interest rates?	82)
$\mathbf{A})$ The nominal interest rate is always positive, but the real interest rate can be negative.	
B) The real interest rate can be higher than the nominal interest rate.	
C) The nominal and the real interest rates always move together.	
D) Changes in the nominal interest rate are smoother than the real interest rate.	
83) Which of the following is NOT a consequence of the CPI bias?	83)
A) The monetary policy that targets inflation will need to adjust for the CPI bias.	
B) The economic growth rate will be biased upward.	
C) The state of the economy will be understated.	
D) The CPI-indexed government transfer payments will be higher than the amount planned.	
84) If nominal GDP in 2015 exceeds real GDP in 2015, then we know with certainty that	84)
A) the price level in 2015 is greater than the price level in the base year.	
B) real GDP in 2015 is less than real GDP in the base year.	
C) real GDP in 2015 is equal to the real GDP in the base year.	
D) the price level in 2015 is less than the price level in the base year.	

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

- 85) Carl's Computer Centre sells computers to business firms. Businesses then use the computers to produce other goods and services. Over the past year, sales representatives were paid \$3.5 million, \$0.5 million went for taxes, \$0.5 million was profit for Carl, and \$10 million was paid for computers at the wholesale level. What was the firm's total contribution to GDP?
- 86) What is the main conceptual difference between GDP and GNP? How different are GDP and GNP for Canada? For countries with many citizens who work abroad?
- 87) Citizens of the country of Heehaw produce hay and provide entertainment services (banjo playing). In 1998 they produced \$15 million worth of hay, with \$11 million consumed domestically and the other \$4 million sold to neighbouring countries. They provided \$7 million worth of banjo-playing services, \$5 million in Heehaw and \$2 million in neighbouring countries. They purchased \$6 million worth of soda pop from neighbouring countries. Calculate the magnitudes of GNP, GDP, net factor payments from abroad, net exports, and the current account balance.
- 88) Explain why in agricultural countries the official GDP are often underestimated.

- 89) In the country of Kwaki, people produce canoes, fish for salmon, and grow corn. In 2002 they produced 5000 canoes using labour and natural materials only, but sold only 4000, as the economy entered a recession. The cost of producing each canoe was \$1000, but the ones that sold were priced at \$1250. They fished \$30 million worth of salmon. They used \$3 million of the salmon as fertilizer for corn. They grew and ate \$55 million of corn. What was Kwaki's GDP in 2002?
- 90) Pete the Pizza Man produced \$87 thousand worth of pizzas in the past year. He paid \$39 thousand to employees, paid \$11 thousand for vegetables and other ingredients, and paid \$5 thousand in taxes. He began the year with ingredient inventories valued at \$1 thousand, and ended the year with inventories valued at \$2 thousand. What was Pete's (and his employees') total contribution to GDP this year?
- 91) What is the difference between nominal and real economic variables? Why do economists tend to concentrate on changes in real magnitudes?
- 92) The country of Myrule has produced the following quantity of gauges and potatoes, with the price of each listed in dollar terms:

	2001		2002	
Good	Quantity	Price	Quantity	Price
Gauges	8000	\$4	10000	\$3
Potatoes	6000	\$8	5000	\$14

- a. Using 2001 as the base year, what are the price indexes for 2001 and 2002?
- b. What is the inflation rate using this index?
- c. What is the percent change in real output using this index?
- 93) For 2002, the Kwakian economy had the following nominal quantities (in billions of dollars) and price indexes (1997 = 100) for each category of expenditure:

	Nominal Value	Price Index
Consumption	423.1	125.1
Fixed investment	112.0	111.0
Government purchases	165.8	123.2
Exports	180.4	100.9
Imports	186.7	97.2
Change in inventories	-3.28	111.0

- a. Calculate the real quantity for each category (to one decimal point).
- b. Calculate nominal and real GDP.
- c. Find the implicit price deflator (1997 = 100).
- 94) Nominal GDP in Kwaki was \$674.8 billion in 2001 and \$688.4 billion in 2002. The GDP deflator was 121.6 for 2001 and 123.3 for 2002.
 - a. What is the growth rate of nominal GDP between 2001 and 2002?
 - b. What is the inflation rate from 2001 to 2002?
 - c. What is the growth rate of real GDP from 2001 to 2002?

- 95) The nominal interest rate is 750, today's price level is 150, and you expect the price level to be 156 one year from now. What is the expected inflation rate? What is the expected real interest rate?
- 96) Explain why CPI inflation overstates increases in the cost of living.
- 97) In 2012, consumers in Saskatchewan spent \$40,851 million, total investment was \$18,873 million, changes in inventory were \$186 million, government purchase of goods and services was \$2,220 million, exports were \$39,249 million, and imports were \$41,799 million. All figures are in 2007 dollars.
 - a. Calculate 2012 real GDP (in 2007 dollars).
 - b. Nominal GDP in 2012 was \$77,929. What was the GDP deflator in 2012?
 - c. In 2011, real GDP was \$58,184 million and the GDP deflator was 126.2. What were the growth rate and inflation rate in 2012?
 - d. Given a total population of 1.11 million, what was per capita GDP in Saskatchewan in 2012?
- 98) Explain how changes in the inflation expectations affect the decisions on borrowing money.
- 99) Explain three consequences of the CPI biases.

Answer Key

Testname: UNTITLED2

- 1) A
- 2) D
- 3) C
- 4) B
- 5) C
- 6) B
- 7) C
- 8) B
- 9) A
- 10) D
- 11) B 12) C
- 13) A
- 14) A
- 15) B
- 16) B
- 17) D
- 18) B
- 19) D
- 20) A
- 21) D
- 22) D
- 23) C
- 24) C
- 25) C
- 26) D
- 27) D
- 28) D
- 29) C
- 30) C
- 31) A
- 32) B
- 33) C
- 34) A
- 35) D
- 36) B 37) A
- 38) B 39) D
- 40) A
- 41) B
- 42) D

Answer Key

Testname: UNTITLED2

- 43) A
- 44) A
- 45) C
- 46) B
- 47) D
- 48) A
- 49) B
- 50) B
- 51) B
- 52) C
- 53) A
- 54) C
- 55) A
- 56) A
- 57) C
- 58) C
- 59) C
- 60) A
- 61) D
- 62) A
- 63) B
- 64) A
- 65) B
- 66) C
- 67) C
- 68) B
- 69) D
- 70) C
- 71) B
- 72) B
- 73) B
- 74) B
- 75) A
- 76) B
- 77) B
- 78) D
- 79) B
- 80) A
- 81) D 82) A
- 83) B
- 84) D

Testname: UNTITLED2

- 85) \$4.5 million. Note that the \$10 million paid for computers is not part of value added. Note also that the fact that the firm produces an intermediate good doesn't mean that it doesn't contribute to GDP.
- 86) GDP represents output produced within a country, while GNP represents output produced by a country's factors of production; the difference is net factor payments from abroad. For Canada there's a three percent difference, but for countries that have many citizens working abroad, there may be a much bigger difference.
- 87) GNP is output by citizens, which equals \$15 million + \$7 million = \$22 million. GDP is output produced in the country, which equals \$15 million (hay) + \$5 million (domestic banjo playing) = \$20 million. Net factor payments from abroad represent the difference between GNP and GDP; this is the \$2 million paid for banjo playing in other countries. Net exports are \$4 million (hay sold abroad) minus \$6 million (soda pop imports) = -\$2 million. (Note that banjo playing abroad is not part of GDP, so it is not part of net exports either.) The current account balance is net exports + net factor payments = -\$2 million + \$2 million = 0.
- 88) Since in agricultural countries many people grow their own food, make their own clothes, and provide services for each other within a family or village group, these non-market activities are not counted in the official GDP.
- 89) Inventories are valued at the cost of production, so the 1000 canoes in inventory were valued at \$1000 each, for a total of \$1 million. Four thousand canoes at \$1250 each totaled \$5 million. Salmon as a final good were worth \$27 million (the other \$3 million were used up as an intermediate good), and corn worth \$55 million was grown. So total GDP (in millions) was \$1 + \$5 + \$27 + \$55 = \$88 million.
- 90) \$87 thousand \$11 thousand paid for intermediate goods + \$1 thousand change in inventories = \$77 thousand.
- 91) Nominal variables are in units of money, while real variables are in physical quantities of output. We measure nominal variables using current market prices and real variables using market prices in a given base year. Nominal variables may increase, but you don't know if the increase is due to higher prices and the same quantity, or a higher quantity with unchanged prices; real variables reflect just quantity changes. For the most part, real variables (consumption, investment, the capital stock) affect each other in the economy, with lesser roles played by nominal variables (money supply, price level).
- 92) a. 2001 price index = 1.00

2002 price index = base-year output at current prices/base-year output at base-year prices = $[(8000 \times 3) + (6000 \times 14)] / [(8000 \times 4) + (6000 \times 8)] = 108,000 / 80,000 = 1.35$

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b. Inflation rate = [(1.35/1) - 1] \times 100\% = 35\%
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c. Nominal GNP (2001) = (8000 \times 4) + (6000 \times 8) = 80,000

Nominal GNP (2002) = (10,000 \times 3) + (5000 \times 14) = 100,000

Real GNP (2001) = nominal GNP (2001) = 80,000

Real GNP (2002) = nominal GNP (2002)/price index = 100,000/1.35 = 74,074

Real output growth = [(74,074/80,000) - 1] \times 100\% = -7.4\%
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- 93) a. Real C = 423.1/1.251 = 338.2; real fixed I = 100.9; real I = 134.5; real exports = 180.4/1.0009 = 179; real imports = 186.7/.972 = 192.1; real CPI = -3.28/1.11 = -2.95.
 - b. Add up the nominal quantities (but subtract imports) to get 691.32. Add up the real quantities (but subtract imports) in part a to get 563.25.
 - c. The implicit deflator is nominal GDP/real GDP \times 100 = 691.32/563.25 \times 100 = 122.0.
- 94) a. 2%
 - b. 1.4%
 - c. 0.6%
- 95) Expected inflation = 156/150 1 = .04 = 4%; expected real interest rate = 7% 4% = 3%.
- 96) One reason is the quality adjustment bias, which means that CPI does not fully account for the changes in the quality of goods and services. Another reason is the substitution bias. That is, CPI is based on a fixed basket of goods and services, but consumers may substitute goods and services with lower prices with those of higher prices. Therefore, higher prices may not necessary decrease the cost of living as CPI suggests.

Answer Key

Testname: UNTITLED2

- 97) a. Real GDP = \$59,580
 - b. GDP deflator = 130.8
 - c. Growth rate = 2.4%; inflation rate = 3.64%
 - d. Per capita GDP = \$53.68
- 98) Changes in inflation expectations affect the calculation of the real interest rate and, therefore, the real cost of borrowing money. If inflation is expected to be higher, the real interest rate and the cost of borrowing money is less.
- 99) 1. CPI is overestimated because it does not consider the quality changes in the goods and services.
 - 2. CPI is overestimated because it ignores the fact consumers can substitute cheaper goods or services for more expensive ones.
 - 3. CPI does not consider the substitution of cheaper outlets for more expensive outlets when prices are higher.