

UNIVERSITY OF CALICUT

School of Distance Education

MEC1 C01:MATHEMATICAL ECONOMICS

(COMPLEMENTARY FOR BSC MATHEMATICS) 2019 Admission Onwards MULTIPLE CHOICE QUESTIONS

- 1: $f(x) = 3x^3 4x^2 + 10$ implies
 - a. f(1) = 10
 - b. $f'(x) = 9x^2 8x + 10$
 - c. f''(x) = 18x 8
 - d. f'(2) = 10
- 2: Which of the following are NOT true?
 - a. $f(x) = ax^n$ implies $f'(x) = anx^{n-1}$
 - b. $f(x) = 4x^5 3x^2$ implies $f'(x) = 20x^{-5} 6x^{-2}$
 - c. $f(x) = 4x + 3/x^2$ implies $f'(x) = 4 6/x^3$
 - d. f(x) = ln(x) implies $f'(x) = x^{-1}$
- 3: y = 100/x + 4x has
 - a. a maximum point where x = 5
 - b. a minimum point where x = 5
 - c. a maximum point where x = 0
 - d. a minimum point where x = -5
- 4: Which of the following statements are (in general) true?
 - a. Marginal cost (MC) is minimised where MC = Average Variable Cost (AVC)
 - b. Total Cost (ATC) is minimised where MC = ATC
 - c. Average Variable Cost (AVC) is minimised where MC = AVC
 - d. Total revenue is maximised where MC = Marginal Revenue (MR)
- 5: Which of the following functions have unit elasticity at P = 6?
 - a. Demand: $Q_d = 5/P$
 - b. Demand: $\log Q_d = 100 3 \log P$
 - c. Demand: $Q_d = 24 2 P$
 - d. Supply: $Q_s = 5 P$

6: For the demand function $Q_1 = 10 - 9 P_1 + P_2 + 0.01Y$ which of the following statements are true?

a.
$$dQ_1 / dP_1 = -9 + P_2 + 0.01Y$$

b.
$$dQ_1 / dP_1 = -10$$

c.
$$dQ_1 / dP_2 = P_2$$

d.
$$dQ_1 / dY = 0.01$$

7: For the function $Q = AK^aL^b$ which of the following statements are NOT true?

a.
$$dQ/dL = AbK^aL^{b-1}$$

b. Marginal Product of Labour (MPL) =
$$AaK^{a-1}L^b$$

c. Marginal Product of Capital (MPK) =
$$aQ / K$$

- d. Marginal rate of substitution of capital for labour (MRS) = |dK / dL|
- 8: Which of the following functions are NOT homogeneous of degree 1 (i.e. linear homogeneous)?

a.
$$Q = 100 \text{ K}^{1/4} \text{ L}^{3/4}$$

b.
$$Q = 20 \text{ K}^{a} \text{L}^{1-a}$$

c.
$$Q = K^2 + 2KL + L^2$$

d.
$$Q = (K^2 + 2KL + L^2)^{1/2}$$

- d)Structural equations. (B)
- 9. The law which studies the direct relationship between price and quantity supplied of a commodity is
 - a. Law of demand

b. Law of variable proportion

c. Law of supply

- d. None of the above
- 10. When price rises, quantity supplied
 - a. expands

b. falls

c. increases

- d. unchanged.
- 11. In case of perfectly inelastic supply the supply curve will be
 - a)rising

b) vertical

c) horizontal

- d) falling.
- 12. When a percentage in price results in equal change in quantity supplied, it is called,
 - a)elastic supply

b) perfectly inelastic

c) elasticity of supply

- d) unitary elastic supply.
- 13. when supply of a commodity decreases on a fall in its price, its is called
 - a)Expansion of supply

b) Increase in supply

c) Contraction of supply

d) Decrease in supply.



14. which utility approach suggests that utility of	an be measured and quantified?
a)ordinal	b) Cardinal
c) both a &b	d)
15. diminishing marginal utility	of a commodity is the additional utility
derived by a consumer, by consuming one more unit	it of that commodity.
a)Marginal utility	b) Total utility
c)Average utility	d) maximum utility (A)
16. At what point does total utility starts diminishin	g?
a)when marginal utility is positive	b) when it remains constant
c) when marginal utility is increasing	d) when marginal utility is negative.
17. Consumer's surplus is also known as	
a) indifference surplus	b) elasticity of supply
c) buyer's surplus	d) indifference surplus.
b) 44. Indicate which of the following is a	variable cost?
(a) Cost of raw materials.	(b) Cost of machine.
(c)_ Interest on capital.	(d) rent payment for buildings .
19. few sellers is the feature of	coll
(a) monopoly	(b) oligopoly
(c) perfect competition	(d) monopolistic competition
20. Market which have two firms are known as	
(a) Oligopoly	(b) monopoly.
(c) Duopoly	(d). perfect competition.
21. which item is not included in public utilities	?
(a) Water supply.	(b) Accessories.
(c) Gas supply.	(d) Electricity.
22. supply curve of a perfectly competitive firm	is
(a)Vertical.	(b) Upward sloping.
(c) horizontal.	(d) Downward sloping.
23. In perfect competition a fiem increases profit	it when exceeds
(a) TC, TR.	(b) MC, MR.
(c) AR, AC.	(d). TR, TFC.
24. the discriminating monopoly can be categor	ized as
(a) Personal	(b) place
(c) use	(d) all of the above.

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- 25. which is not a phase of business cycle?
 - (a) Depression

(b) Accumulation.

(c) Recession

- (d) recovery.
- 26. Suppose the supply for product A is perfectly elastic. If the demand for this product increases:
 - A. the equilibrium price and quantity will increase;
 - B. the equilibrium price and quantity will decrease;
 - C. the equilibrium quantity will increase but the price will not change;
 - D. the equilibrium price will increase but the quantity will not change.
- 27. If the coefficient of income elasticity of demand is higher than 1 and the revenue increases, the share of expenditures for commodity X in total expenditure:
 - A. will increase;
 - B. will decrease;
 - C. will remain constant;
 - D. can not be determined.
- 28. If the demand for agricultural products is inelastic:
 - A. as the prices decrease, the revenues earned by producers increase;
 - B. as the prices decrease, the revenues earned by producers decrease;
 - C. rising prices do not lead to differentiation in producers' incomes;
 - D. the percentage decrease in prices is lower than the percentage increase in demand. For a rational consumer who has to choose between two goods in the context of budget constraints, the price change of one of the goods, caeteris paribus, will
 - A. a parallel shift of the budget line to the left;
 - B. a change in the slope of the budget line;
 - C. no change in the budget line;
 - D. a parallel shift of budget line to the right.
- 29. The price of the product A was reduced from 100 to 90 lei and, as a result, the quantity demanded has increased from 70 to 75 units. The demand is:
 - A. inelastic;

determine:

- B. elastic;
- C. unit elastic;
- D. can not be determined from the given information.



- 30. Choose the false statement:
 - A. in general, the demand for necessity goods is less elastic than demand for luxury goods;
 - B. if the price and the producers` income are directly proportional, the demand is elastic;
 - C. after a long period of time since the change in the price of the good A, supply becomes more elastic;
 - D. for a company whose production process involves making two goods, one main and the other secondary, if the price of the main good increases, caeteris paribus the supply on the secondary good's market will increase (and vice versa).
- 31. If the demand curve for product A moves to the right, and the price of product B decreases, it can be concluded that:
 - A. A and B are substitute goods;
 - B. A and B are complementary goods;
 - C. A is an inferior good, and B is a superior good;
 - D. Both goods A and B are inferior.
- 32. Suppose the price of a good decreases by 10% and the quantity demanded for a certain period of time increases by 15%. In these conditions:
 - A. the revenues earned by producers decrease;
 - B. the revenues earned by producers increase;
 - C. the revenues are not influenced in any way;
 - D. the company's expenses rise.
- 33. If a price increase of 50% results in an increase in the quantity supplyed of an economic good from 10 to 20 pieces, calculate the coefficient of price elasticity of supply.
 - A. 1/4. B. 1/2; C. 1; D. 2.
- 34. The total utility coincides with the marginal utility:
 - A. for the first unit consumed;
 - B. only for the irrational consumer;
 - C. at the level of the last unit consumed;
 - D. at the saturation point.

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35	The	in	ditte	rence	curve	means

- A. equal consumption of two goods;
- B. equal utility from the consumption of two combinations of goods; C. equal consumer income;
- D. equal prices of the goods consumed.
- 36. The points located at the intersection of the budget line with the coordinate axes mean:
 - A. the consumer does not spend all his income;
 - B. the consumer spends all his income for only one good;
 - C. the consumer spends absolutely nothing;
 - D. these are points impossible to reach by the consumer.
- 37. An economic agent contracts a loan of 15.000 lei, which he will repay in three equal annual installments. What will be the total interest paid, knowing that the annual interest rate is 12% per year?
- A. 3.600 lei; B. 1.800 lei; C. 5.400 lei; D. 1.500 lei.

 38. An economic agent makes a bank deposit of 10.000 lei with an interest rate of 5%.
 - What will be the amount in the bank after 2 years, if the economic agent does not make withdrawals from the account created during this period?
- A. 11.000 lei; B. 1.000 lei; C. 11.025 lei; D. 500 lei.
- 39. Which of the following statements are false?
 - A. information, the entrepreneur's ability, technical progress are neo-factors of production;
 - B. according to the stages of the circular flow of the company's capital, it takes three forms: money, capital goods and commodity;
 - C. fixed capital depreciation is only due to physical deterioration;
 - D. the factors of production are resources attracted and used in economic activity.
- 40. Which of the following aspects distinguish fixed capital from working capital:
 - a. the number of cycles of production they participate in
 - b. the location of the production activity;
 - c. the period of time after which they are replaced;
 - d. the way they transmit their value to the new product.
- A (a,d) B (c,d) C (a,c,d) D (b,c,d)

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	41.	The fo	llowing	g data is	given	for a con	npany:	material	costs 8	9 mil; wo	orking capit	tal 45
			_		_						il. Calculate	
		materia	al costs	and dep	preciat	ion:						
	A.	60 and	64;	В. 70 а	and 56	;	C. 80	and 44;				
	42.	Fixed o	cost inc	ludes:								
		a. expe	enditure	es for the	e salari	es of the	admin	istrative s	staff;			
		b. exp	enditur	e for de	preciat	ion of fix	xed cap	ital;				
		c. ener	gy cost	s for ma	anufact	uring;						
		d. expe	enditure	e for ger	neral li	ghting.						
		D. 89 a	and 45.		D. (b,	c,d)		D (a,d)		A. (a,b,c	e) B. (a,b,d)	
	43.	When	produc	tion vol	ume is	zero:						
	1.	the fixe	ed cost	is 0;								
	2.	the var	iable co	ost is 0;								
	3.	the fixe	ed cost	is highe	er than	the varia	ible cos	st;				
	4.	the var	iable c	ost is hi	gher th	an the fi	xed cos	t.				
	A ((a,b,c)		B (b,c	;,d)		C. (a,c	;,d)		D. (b,c)		
	44.	Calcul	ate the	average	fixed	cost (AF	C), for	a level of	f produ	iction Q =	= 20, knowi	ng
		that the	e total c	cost fund	ction is	: TC = 2	00 + 30	$Q + 2Q^2.$				
	A.	1060;		B. 200);	C. 20;	0	$Q + 2Q^2$. D. 10.				
45.	Wł	nich of t	he follo	owing s	tateme	nts is fal	se:					
		a. perfe	ect com	petition	invol	ves many	sellers	of stand	ardize	d product	s;	
		b. mon	opolist	ic comp	etition	involves	s many	sellers of	f homo	geneous j	products;	
		c. the c	oligopo	ly invol	ves sev	eral pro	ducers	of standa	rdized	or differe	entiated pro	ducts;
		d. mon	opoly i	nvolves	a sing	le produ	ct for w	hich ther	re are r	no close s	ubstitutes.	
	46.	On the	marke	t with p	erfect o	competiti	ion:					
		A. the	firm is	a "price	-taker,	" meanir	ng, it tal	kes over 1	the ma	rket price	2;	
		B. the	firm is	a "price	-make	r", meani	ing, it d	letermine	s the n	narket pri	ce;	
		C. the	compai	nies' pro	oducts	are diffe	rentiate	d;				
		D. inpu	ut barri	ers are i	ninima	l, and ex	it barri	ers are m	axima	l.		
47.	W	hich of	the foll	lowing o	conditi	ons indic	ate that	t a good i	s prod	uced unde	er perfect	
	cor	npetitio	n:									
		a)	produc	cers` pro	ofits ar	e high;						
		b)	produc	cers` pro	ofits ar	e small;						
		c)	total s	upply is	inelas	tic;						

d) individual demand is perfectly elastic.



- 48. The profit maximization condition for a firm in a market with monopolistic competition is the following (MR is marginal revenue, MC is marginal cost, P is price, ATC is average total cost, TR is total revenue):
 - A. MR=MC;
 - B. MC = P;
 - C. MR = ATC;
 - D. TR to be maximum.
- 49. Which of the following statements about monopoly is true:
 - A. there are several companies producing a specific product;
 - B. there is only one producing company, but the product has close substitutes;
 - C. there are no competitors on the relevant market;
 - D. input barriers are low.
- 50. There are differences between monopolistic and perfect competition regarding:
 - A. market entry;
 - B. the number of sellers and buyers;
 - C. the market power of competitors;
 - D. homogeneity of products.
- 51. Which of the following can be considered as the basic features of public goods:
 - A. are state-owned;
 - B. are characterized by non-excludability and non-rivalry;
 - C. are characterized by excludability and rivalry;
 - D. may be positive or negative.
- 52. Which of the following solutions are not part of the ways of internalizing externalities:
- A. the imposition of fines on the producer of negative externalities;
- B. the introduction of taxes and duties that bring private costs to the level of social costs;
- C. closure of companies producing positive or negative externalities;
- D. the association of the negative externality manufacturer with the receptor of such an effect.
- 53. Normally, the natural economy is characterized by:
- A. price formation through complex mechanisms;
- B. perfect competition;
- C. the preponderance of product exchange;
- D. the satisfaction of the individual and community needs of its own production.



54. Which of the follo	owing features define	human needs:	
A. are not concur	rent;		
B. do not disappe	ar momentarily if they	are satisfied;	
C. are unlimited i	n capacity;		
D. are unlimited i	n number.		
55.If the price elastic	ity of demand for wine	e is estimated to be6,	then a 20% increase in
price of wine will lea	d toin q	uantity demanded of w	ine at that price
(a) 12% increase;		(b) 12% decrease;	
(c) 19.6% increase;	(d) 20	.6% decrease	
56. If the price elastic	city of demand of Chic	ken is +.95. then a 209	% increase in price of
chicken will lead	to in quantity demande	ed of chicken at that pr	ice
(a) 19 increase;	(b) 19% decrease;	(c) 20.95% increase	(d) 20.6% decrease
57. If the cross price	elasticity of demand for	or two product is negat	ive, then the two products
are			
(a) Complementary to	o each other;	(b) Perfectly substitu	te for each other;
(c) Completely comp	petitive;	(d) Unrelated	
58.If demand of coffe	ee increases by 10% w	ith 20% decline in the	price of sugar we can say
that		colli	
(a) Cross pric	e elasticity of demand	is negative and both th	ne products are
compleme	entary to each other;	to	
(b) Cross pric	e elasticity of demand	is negative and the go	ods are substitute;
(c) Cross pric	e elasticity is positive	and the products are co	omplementary to each other
(d) None of the	nese		
59.If the price of coff	fee falls by 8% and the	demand for Tea declin	nes by 2%. The corss price
elasticity of demand	for Tea is		
(a) 0.45;	(b) 0.25;	(c) +0.44;	(d) -0.30
60. When the price of	complementary produ	acts falls, the demand o	of the other product will
(a) Fall;	(b) Increases;	(c) Remain stable;	(d) Drops by 25%
61.When the price of	complementary produ	icts increases, the dema	and of the other product
will			
(a) Falls;	(b) Increases;	(c) Remains same;	(d) Increases by 25%
62.Elasticity of suppl	y depends upon		
(a) Nature of the com	nmodity;	(b) Production technology	ology;
(c) Future outlook of	prices	(d) All the three	



63.A supply curve p	bassing through the origin	will have elasticity			
(a) Lessthan 1;	(b) Morethan 1;	(c)Just One;	(d)Zero		
64.A supply curve p	passing through any point	on X axis(quantity) wi	ll have elasticity		
(a) Less than 1;	(b) More than 1;	(c) Just one; (d) Z	Zero		
65.Supply curve pas	ssing through any point or	Y axis(Price) will have	ve elasticity		
(a) Lessthan 1;	(b) Morethan 1;	(c)Just One;	(d)Zero		
66.Goods which are	perfect substitute of each	other will have rate of	substitution		
(a) Unity;	(b)Lessthan1;	(c) Morethan1;	(d)Zero		
67.Goods which are	perfect substitute of each	other will have elastic	ity of substitution		
(a) Unity;	(b) Less than 1;	(c) More than 1;	(d) Infinite		
68.Goods which are	not perfect substitute of	each other but have to b	be consumed in a		
fixed ratio will have	e rate of substitution				
(a) Unity;	(b)Lessthan1;	(c) Morethan1;	(d)Zero		
69.If a dealer is prej	pared to supply 1000 sets	of a 29" Color TV if th	e price is '12,000 per		
set, however if the p	price raises to `15,000 he i	s prepared to supply 1,	500 pieces. The		
elasticity of supply	of TV set is				
(a) 1; (b)2; (c)0	.75; (d)1.	.4		
70. In question No.	201 if at `15,000, the deal	er is prepared to supply	y on 1250 sets of TV		
the elasticity of	supply is	1			
(a) 1;	(b)2; (c)0	.75; (d)1.	.4		
71. In question No.	201 if at `15,000, the deal	er isprepared to supply	on 1100 TV sets, the		
elasticity of sup	ply is				
(a) 1;	(b)2;	(c)0.4;	(d)1.5		
72. Tea and Coffee	are perfect substitute of ea	ach other, given the pri	ce of Tea and Coffee		
being `100 and `	200 per Kg. a consumer i	s prepared to buy 3 Kg	of each. If the price		
of tea remain sa	me and the price of Coffe	e rises to `400 per kg. t	he demand for Tea		
goes to 6 Kg. ar	d that of Coffee falls to 1	Kg. The elasticity of su	abstitution between		
Tea and Coffee	is				
(a) 1;	(b)4;	(c)5;	(d)3		
73. Select the odd o	ne				
(a) Consumer taste	,	(b) Price of the goo	ds;		
(c) Change in popul	ation;	(d) Increase in price	e of product		
74. Select the odd o	ne				
(a) Price of the J	product;	(b) Cost of producti	ion;		
(c) No. of suppl	iers;	(d) St. duties			



75.	. X a consumer spends his entire income on two commodities A and (B) if price of A										
	increases by 10	0% and his exp	penditure on ite	em B remains	same, the	n the price					
	elasticity of ite	em A is									
	(a) 1;	(b)<1;	(c)>1	;	(d)						
76.	In question No	o. 207. If the pr	rice of item No	. A instead of	increasin	g falls by 25% and					
	still his total e	xpenditure as v	well expenditur	re on item B r	emains sa	me, the price					
	elasticity of A	will be									
	(a) 1;	(b)<1;	(c)>1	;	(d)						
77.	An individual	is spending his	s entire income	on two items	s A and B	equally. If income					
	elasticity of A is 4 what is income elasticity of B										
	(a) 4;	(b)2;	(c)3;	(d)1							
78.	If an individua	l is spending h	is entire incon	ne on two iten	ns A and I	3 in the ratio of					
	60:40. If income elasticity of A is 5 what is income elasticity of B										
	(a) 4;	(b)2;	(c)5;	(d)1							
79.	If prices of pet	rol rises from	`40. To `48 per	r lt., the dema	nd for car	s falls from 60 per					
	month to 45 pe	er month, the c	ross elasticity	of petrol and	Car is						
	(a) 1.5;	(b)1.2	5;	(c)1.0;		(d)1.59					
80.	If prices of Eg	gs rises from `	25 per dozen te	o `30 per doze	en, the den	nand for vegetable					
	burger increase	es from 30 per	day to 40 per	day, then the	cross elast	icity of eggs and					
	vegetable burg	ger is	The								
(a)	1.5;	(b) 1.25;	(c) 1.	65;	(d) 1.8	36					
81.	Cross elasticity	y of a nearly po	erfect substitut	e products wi	ll be						
	(a) Infinite;	(b)Zer	o;	(c).>1;		(d)<1					
82.	Cross elasticity	1 34	products will b	e							
	(a) Infinite;	(b)Zer	ro;	(c).>1;		(d)<1					
83.	Cross elasticity	y of compleme	entary products	will be							
	(a) Infinite;	(b)Zer	ro;	(c)>1;	(d) < 0						
84.	If two goods a	re perfect subs	titutes for one	another, the e	elasticity o	f substitution will					
	be										
	(a) Infinite;	(b)Zer	o;	(c)>1;	(d) < 0						
85.	If two goods a	re not substitu	tes at all for on	e another, the	elasticity	of substitution will					
	be										
	(a) Infinite;	(b)Zer	o;	(c)>1;	(d)<0						



94.

95.

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86.	If the disposal	l income of a	household incre	ases by 10%	and the demand for bread
	falls by 5%. T	The income el	asticity of bread	is	
	(a) 0.5;	(b)-0.5;	(c)1.0); (d)-	-1.0
87.	Bread can be	considered as	,		
	(a) Essential g	goods;		(b) Luxury	goods;
	(c) Inferior go	oods;		(d) Normal	goods
88.	If the disposal	l income of a	household incre	ases by 10%	and the demand for X
	commodity in	creased by 25	5%. The income	elasticity of	X is
	(a) 1.5;(b)-0.5	5;(c)2.5;(d)-2.	5		
89.	In question N	o. 220 X can	be considered as	3	
(a)	Essential good	ds;		(b) Luxury	y goods ;
(c)	Inferior goods	;		(d) Norma	l goods
90.	If the disposal	l income of a	household incre	ases by 10%	and the demand for X
	commodity in	creased by 10	% the income e	lasticity of X	Cis
	(a) 1.5;	(b)0.5;	(c)1.5;	(d) 1	1.0
91.	In question N	o. 222 X can	be considered as	3	
	(a) Essential g	goods;		(b) Luxury	goods;
	(c) Inferior go	oods;		(d) Normal	goods
92.	If the disposal	l income of a	household decre	eases by 10%	and the demand for X
	commodity re	emains same.	The income elas	ticity of X is	
	(a) 0;	(b) 0.5;	(c) 0.5	5;	(d) 2.5
93.	In question N	o. 224 X can	be considered as	3	
	(a) An essenti	al goods ;		(b) Luxury	goods;
	(c) Inferior go	oods;		(d) Normal	goods
Wł	nich of these w	ould lead to i	ncrease in quant	ity supplied a	at a given price
	(a) Increase in	n VAT;		(b) Increas	e in excise duty;
	(c) Increase in	n import duty	;	(d) Reducti	ion in levies
Wł	nich of these w	ould lead to o	lecrease in quant	tity supplied	at a given price
	(a) Decrease i	n VAT;		(b) Decreas	se in excise duty;
	(c) Decrease i	n import duty	<i>y</i> ;	(d) Imposit	tion of higher levies
96.	The income e	lasticity of de	mand of inferior	goods is gei	nerally
	(a) > 1;	(b) < 1;	(c) < 0;	(d) = 0	
97.	The income el	asticity of dea	mand of normal	goods is gen	erally
	(a) > 1;	(b) < 1;	(c) < 0;	(d) > 0	

98. The cross elasticity of complementary goods is generally

(a) > 1;

(b) < 1;

(c) < 0;

(d) = 0

99. The cross elasticity of substitute goods is generally

(a) > 1;

(b)<1;

(c)<0;

(d)>0

100. The elasticity of a demand curve with a constant slope

(a) Increases at higher price;

(b) Decreases at higher price;

(c) Increases at lower price;

(d) Remains constant

ANSWER KEY

1	C	21	В	41	С	61	В	81	D
2	В	22	C	42	В	62	C	82	C
3	В	23	D	43	C	63	В	83	A
4	C	24	В	44	D	64	A	84	В
5	D	25	C	45	В	65	C	85	A
6	D	26	A	46	A	66	В	86	D
7	В	27	В	47	D	67	A	87	D
8	C	28	В	48	A	68	D	88	В
9	C	29	A	49	C	69	В	89	A
10	A	30	В	50	O D	70	A	90	C
11	В	31	В	51	В	71	D	91	C
12	D	32	В	52	C	72	A	92	D
13	C	33	D	53	D	73	A	93	A
14	В	34	A	54	D	74	В	94	A
15	A	35	В	55	A	75	A	95	A
16	D	36	В	56	В	76	A	96	C
17	C	37	A	57	A	77	A	97	C
18	A	38	C	58	В	78	В	98	В
19	C	39	C	59	В	79	В	99	C
20	В	40	C	60	В	80	A	100	A