ENTRANCE EXAMINATION FOR ADMISSION, MAY 2012.

Ph.D. (CLINICAL BIOCHEMISTRY)

COURSE CODE: 164

Register Number :	
	Signature of the Invigilator (with date)

COURSE CODE: 164

Time: 2 Hours

Max: 400 Marks

Instructions to Candidates:

- 1. Write your Register Number within the box provided on the top of this page and fill in the page 1 of the answer sheet using pen.
- 2. Do not write your name anywhere in this booklet or answer sheet. Violation of this entails disqualification.
- 3. Read each of the question carefully and shade the relevant answer (A) or (B) or (C) or (D) in the relevant box of the ANSWER SHEET using HB pencil.
- 4. Avoid blind guessing. A wrong answer will fetch you −1 mark and the correct answer will fetch 4 marks.
- 5. Do not write anything in the question paper. Use the white sheets attached at the end for rough works.
- 6. Do not open the question paper until the start signal is given.
- Do not attempt to answer after stop signal is given. Any such attempt will disqualify your candidature.
- 8. On stop signal, keep the question paper and the answer sheet on your table and wait for the invigilator to collect them.
- 9. Use of Calculators, Tables, etc. are prohibited.

1.	Which among the following enzymes molecularoxygen into the substrate?	incor	porates one of the atoms of the
	(A) Oxidases	(B)	Mixed function oxidases
	(C) Dioxygenases	(D)	Peroxidases
2.	Which among the following cytochron dehydrogenase?	nes of	f the respiratory chain is NOT a
	(A) b (B) c	(C)	c ₁ (D) aa ₃
3.	Which among the following enzymes substrateusing oxygen as an acceptor?	catal	yze the removal hydrogen from a
	(A) Oxidases	(B)	Dehydrogenases
	(C) Hydroperoxidases	(D)	Oxygenases
4.	Which among the following is a high-ener phosphorylation that takes place during t		
	(A) Succinyl CoA	(B)	Phosphoenol pyruvate
	(C) Carbamoyl phosphate	(D)	1,3 bisphosphoglycerate
5.	 The ΔG^{0'} for the formation of creating +12.6kJ/mole. It can take place in the (A) during vigorous muscular exercise. (B) when ATP concentration increases 		중에 한 큐트의 아이 경기가 있는 사람이 되었다면 하면 하는 이 사람들이 하는 것이 되었다면 하는 사람들이 되었다면 하는 것이 되었다면 하는 것이 되었다면 하는 것이 되었다면 하는데
	(C) when creatine concentration decrea	ses	
	(D) during extra heat production in the	body	
6.	Under biochemical standard condition spontaneous forward reaction?	ns, w	hich among the following favor a
	(A) $\Delta G^{0'}$ is positive	(B)	$\Delta G^{0'}$ is zero
	(C) $\Delta G^{0'}$ is negative	(D)	K'eq is less than 1
7.	For an essential irreversible biochemical	reacti	on, ΔG ^{0'} is
	(A) Positive and is of high magnitude	(B)	Negative and is of high magnitude
	(C) Positive and is of low magnitude	(D)	Negative and is of low magnitude
8.	Hyperhomocysteinemia is related to reasons <u>EXCEPT</u> that	o ath	nerogenesis due to the following
	 (A) It causes aggregation of low density 		roteins.
	(B) It increases the serum cholesterol le	evel.	
	(C) It enhances platelet aggregation.		
	(D) It brings about lipid peroxidation.		

- 9. Which among the following statements is <u>FALSE</u> regarding homocystinuria type I?
 (A) Cyanide nitropruside test will be positive in urine
 (B) Subluxation of lens is a frequent clinical feature.
 (C) Diet restriction in the form of low methionine and rich cysteine is harmful.
 (D) In some cases, treatment with mega doses of vitamin B6 helps in correcting the defect.
- 10. Which among the following statements is FALSE?
 - (A) Protein rich food causes wakefulness.
 - (B) After a protein rich food, the entry of tryptophan into the brain is slow.
 - (C) The insulin released following a carbohydrate rich meal enhances the plasma concentrations of amino acids.
 - (D) The bulkiness of tryptophan side chain makes its transport across the blood brain barrier sluggish in comparison to other amino acids.
- 11. Which among the following conditions is associated with pellagra like signs and symptoms?
 - (A) Hartnup disease

(B) Phenyl ketonuria

(C) Pheochromocytoma

- (D) Albinism
- 12. Carbidopa is included in the treatment of Parkinson's disease in order to
 - (A) Enhance the availability of Dopamine to the peripheral tissues.
 - (B) Inhibit the activity of DOPA decarboxylase out side the CNS.
 - (C) Decrease the toxicity of DOPA to the CNS.
 - (D) Minimize the cell degeneration of brain nuclei.
- 13. Which among the following is NOT a feature of the phenylketonuria?
 - (A) Mental retardation.
 - (B) Positive urinary ferric chloride test.
 - (C) Dark color of the skin.
 - (D) Mousy odor.
- 14. DOPA is an additional requirement in the treatment of type IV hyperphenylalaninemia because
 - (A) Defective regeneration of tetrahydrobiopterin affects the formation of DOPA.
 - (B) Associated degeneration of substantianigra.
 - (C) Decreased production of tyrosine, the precursor of DOPA.
 - (D) High levels of phenylalanine inhibits the formation of DOPA.

- 15. Which among the following is NOT recommended in the therapy for hyperammonemia?
 (A) Intake of protein rich diet
 (B) Treatment with antibiotics.
 (C) Oral administration of Sodium benzoate
 (D) Administration of lactulose
- 16. Which among the following statements is <u>false</u> regarding treatment of leukemia with asparaginase?
 - (A) Leukemic cells produce increased amounts of asparagine.
 - (B) The exogenous asparaginase hydrolyses blood born asparagine on which leukemic cells rely.
 - (C) Asparagine is synthesized in the body from glutamine and aspartic acid.
 - (D) Normal cells survive the asparaginase treatment as they are capable of synthesizing asparagine.
- 17. Which among the following occurs in metabolic acidosis?
 - (A) Liver glutaminase activity increases
 - (B) Rate of urea synthesis increases
 - (C) Less ammonia is excreted in urine
 - (D) Body shunts more glutamine from liver to kidney
- 18. Which among the following statements is false regarding transamination processes?
 - (A) There is no net deamination
 - (B) It is an example of a double displacement reaction
 - (C) Biochemical standard free energy change is zero
 - (D) Each transaminase is specific for both amino acid / keto acid pairs
- 19. During vigorous muscular exercise, which amino acid is liberated from skeletal muscles in maximum amount into the circulation?
 - (A) Glutamine

(B) Glutamate

(C) Alanine

- (D) Branched chain amino acids
- 20. Which among the following events take place in the regulation of 'lac operon' when glucose concentration in the medium is low?
 - (A) cAMP level in the bacterium decreases
 - (B) Inactivation of catabolite gene activator protein (CAP)
 - (C) CAP facilitates the binding of RNA polymerase to the promoter
 - (D) Decreased translation of 'lac operon'

21.	Whi	ch among the following statements is FALSE regarding 'lac operon'?
	(A)	It consists of structural genes, lac promoter and regulatory genes
	(B)	It codes for the synthesis of a polycistronic mRNA molecule
	(C)	The polycistronic mRNA has single common translation start and stop codons
	(D)	It allows for coordinate expression of 3 enzymes of lactose metabolism
22.	Whi	ch antibiotic work by binding to 23S rRNA?
	(A)	Puromycin (B) Cycloheximide
	(C)	Chloromphenicol (D) Tetracycline
23.	Tetr	acycline inhibits protein synthesis by
	(A)	preventing the binding of aminoacyl-tRNAs to the bacterial ribosome A site
	(B)	by binding to 23S rRNA
	(C)	as a tyrosinyl-tRNA analog
	(D)	inhibiting peptidyltransferase of 60S ribosomal subunit
24.	Whi	ch among the following statements does not describe 'P bodies'?
	(A)	They are the sites of translation repression
	(B)	They carry out mRNA decay
	(C)	They harbor RNA helicases and RNA exonucleases
	(D)	Only the mRNA destined for decay are incorporated into it
25.		number of high energy phosphate bonds subjected to hydrolysis during the
	(A)	1 (B) 2 (C) 3 (D) 4
26.	Whi	ch among the following statements is FALSE regarding eIF-2?
	(A)	It is a control point for protein synthesis initiation
	(B)	It undergoes reversible phosphorylation by protein kinases
	(C)	Under cellular stress its phosphorylation is increased
	(D)	Its phosphorylated form enhances the formation of 43S preinitiation complex
27.	Whi	ch among the following statements is true regarding 'wobble' in the genetic code?
	(A)	The 5' nucleotide of the anticodon is not significant in base pairing
	(B)	The codon-anticodon interactions at 5'end of codon does not follow Watson-Crickrule

anticodons

(D) The 'wobble' leads to mutations

(C) For one codon in the mRNA there can be more than one tRNA with different

- 28. Which among the following is FALSE regarding a-Amanitin?
 - (A) Responsible for fatal mushroom poisoning
 - (B) RNAP II is most sensitive to its inhibition
 - (C) Mitochondrial RNAP is insensitive to inhibition
 - (D) It decreases the affinity of RNAP with NTPs
- 29. Which among the following statements is FALSE regarding RNA transcription?
 - (A) RNA polymerase does not require a primer
 - (B) The RNA product does not remain base-paired to the template DNA
 - (C) Multiple RNA polymerase molecules can transcribe the same gene
 - (D) Transcription is more accurate than replication
- 30. Which among the following statements is true regarding RB1 gene, its product and the onset of retinoblastoma?
 - (A) Gain of heterozygosity for RB1 gene occurs in retinoblastoma
 - (B) In sporadic cases of retinoblastoma, only one mutation need to take place in retinoblasts
 - (C) The phosphorylated form of pRB protein binds to the E2F transcription complex
 - (D) Viral proteins like SV40 large T antigen form complexes with hypophosphorylatedpRB and inactivates it
- 31. Which among the following is falseabout Ame's test for carcinogenicity?
 - (A) Negative for carcinogens which require metabolic activation
 - (B) Specially designed strain of Salmonella typhimurium is used
 - (C) Histidine containing medium is used
 - (D) In the modified procedure, the carcinogen is first incubated with the S-9 fraction of liver
- 32. Which among the following statements is false regarding telomerase?
 - (A) A reverse transcriptase
 - (B) Active in all the cells of the body
 - (C) Genomic stability in germ-line cells is maintained by Telomerase
 - (D) Has an internal RNA template
- 33. Which among the following statements is TRUE regarding xerodermapigmentosum?
 - (A) An acquired disease
 - (B) Normal sensitivity to light
 - (C) Defective base excision repair
 - (D) Neurological derangements are common

34.	The	mechanism of nucleotide excision repa	ir inv	rolves						
	(A)	Methylation directed strand cutting	(B)	Abasic sugar removal						
	(C)	Synapsis formation	(D)	Removal of nucleotide oligomer						
35.	Cata	llysis by N-glycosylase is part of which	type	of DNA repair?						
	(A)	SOS	(B)	Mismatch						
	(C)	Base - excision	(D)	Nucleotide excision						
36.	Meth	Methylation directed strand cutting is part of which type of DNA repair?								
	(A)	Mismatch	(B)	Base - excision						
	(C)	Nucleotide – excision	(D)	Double strand break						
37.		ch among the following is an inhibitumor agent?	itor o	f eukaryotic topoisomerases used as						
	(A)	Novobiocin	(B)	Nalidixic acid						
	(C)	6-mercaptopurine	(D)	Etoposide						
38.	The number of nucleotides added to the nascent chain before the polymerase disengages from the template is known as									
	(A)	Chain elongation rate	(B)	Processivity						
	(C)	Proof reading	(D)	Catalytic efficiency						
39.	Which among the following statements is FALSE regarding Acyclovir – the antiviral drug?									
	(A)	(A) Thymine attached to an incomplete ribose ring								
	(B)	B) It is phosphorylated by viral thymidine kinase								
	(C)	 Competitively inhibits the viral DNA polymerase more strongly than cellular enzymes 								
	(D)									
40.	Which among the following drugs develop drug resistance due to increase in target enzyme?									
	(A)	Cytarabine	(B)	Cysplastin						
	(C)	Methotrexate	(D)	Cyclophosphamide						
41.	Whi	Which among the following is true regarding chronic myelogenous leukemia?								
	(A)	Reciprocal translocation between ch	romos	somes 8 and 14						
	(B)	Activation of src gene & increased p	rotein	tyrosine kinase activity						
	(C)	Activation of myc gene & increased								
	(D)	Production of bcr-abl fusion prote activity	in wi	th increased protein tyrosine kinase						

42.	Burl	kitt's lymphoma is characterized by the following EXCEPT:							
	(A) Cancer of human B-lymphocytes								
	(B)	Reciprocal translocation between chromosomes 8 and 14 are involved							
	(C)	$c ext{-}myc$ gene comes under the influence of immunoglobulin heavy chain enhancer sequences							
	(D)	Increased synthesis of protein tyrosine kinase							
43.		ch among the following anticancer agent intercalates in DNA and stabilizes oisomerase II?							
	(A)	Doxorubicin (B) Melphalan (C) Vinblastin (D) Fluorouracil							
44.	The following are biochemical changes observed in fast growing tumors <u>EXCEPT</u>								
	(A)								
	(B)	(B) Synthesis of fetal proteins							
	(C)	(C) Gain of differentiated biochemical functions							
	(D)	Inappropriate synthesis of growth factors							
45.	Which among the following statements is <u>false</u> regarding p53 gene and its product?								
	(A)	(A) Causes G2 specific cell cycle arrest							
	(B)	(B) Binds viral proteins like SV40 large Tantigen form inactive complexes							
	(C)								
	(D)	Product is stabilized by DNA damage							
46.	Acti	ivation of c-ras proto-oncogene results in							
	(A)								
	(B)	Frame shift mutation							
		Increased GTPase activity of the product							
		Increased activities of cAMP dependent protein kinases							
47.	Ger	ne amplification is associated with the following EXCEPT:							
	(A)								
	(B)								
	(C)								

(C) Loss of anchorage dependence
(D) Increased requirement for growth factors

The properties of cells in culture, which have undergone malignant transformation,

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include the following EXCEPT:

(D) Increased methotrexate sensitivity

(A) Rounder shape than control cells

Loss of contact inhibition of growth

48.

(B)

49.		ch among the following human tum kitt's lymphoma?	or vir	us is involved in the pathogenesis of						
	(A)	T-cell leukemia	(B)	Epstein-Bar						
	(C)	Hepatitis B	(D)	Human papilloma						
50.	Inse	ertional mutagenesis is associated wit	h the f	following EXCEPT:						
	(A)	Promoter insertion	(B)	Gene amplification						
	(C)	Enhancer insertion	(D)	Long terminal repeats						
51.	АТу	ype II error is also known as a								
	(A)	False positive	(B)	False negative						
	(C)	Double negative	(D)	Positive negative						
52.	A st	atistical test used to compare 2 or mo	re gro	up means is know as						
	(A)	One-way analysis of variance	(B)	Post hoc test						
	(C)	T-test for correlation coefficients	(D)	Simple regression						
53.	The use of the laws of probability to make inferences and draw statistical conclusion about populations based on sample data is referred to as									
		Descriptive statistics		Inferential statistics						
	(C)	Sample statistics	(D)	Population statistics						
54.	A is a range of numbers inferred from the sample that has a certain probability of including the population parameter over the long run.									
	(A)	Hypothesis	(B)	Lower limit						
	(C)	Confidence interval	(D)	Probability limit						
55.	Wha	at is the standard deviation of a samp	oling d	istribution called?						
	(A)	Sampling error	(B)	Sample error						
	(C)	Standard error	(D)	Simple error						
56.		at would happen (other things equal) cent confidence interval rather than 9		onfidence interval if you calculated a 99 cent confidence interval?						
	(A)	It will be narrower	(B)	It will not change						
	(C)	The sample size will increase	(D)	It will become wider						
57.	If a	distribution is skewed to the left, the	n it is							
01.	(A)		(B)							
		Symmetrically skewed		Symmetrical						
		J. J. T.	(-)	- J						

58.	The _skewe		the pr	eferred measure	e of ce	ntral tendency	if the da	ita are severely
	(A)	Mean	(B)	Median	(C)	Mode	(D)	Range
59.				sed to explain o			of a depe	endent variable
	(A)	Regression an	alysis		(B)	Regression co	efficient	
	(C)	Regression eq	uation		(D)	Regression li	ne	
60.	The r	nost frequentl	y occur	ring number in	a set o	of values is call	led the	
		Mean		Median		Mode	(D)	Range
61.	A gra	ph that uses v	vertical	bars to represe	nt dat	a is called		
	(A)	Line graph			(B)	Bar graph		
	(C)	Scatterplot			(D)	Vertical grap	h	
62.	What	t is the median	n of the	following set of	score	s? 18.6.12.10.1	4	
02.	(A)			14	(C)			12
63.		Pearson produ ent between tv		nent correlation	meas	ures the degre	e of	relationship
	(A)	Curvilinear			(B)	Nonlinear		
	(C)	Linear and q	uadrati	С	(D)	Linear		
64.	Whe		r starts	s with the depe	endent	variable and	moves	backwards, it is
	(A)	Predictive re	search		(B)	Retrospectiv	e resear	ch
	(C)	Exploratory	researcl	h	(D)	Descriptive i	research	
65.		variable the r		ner matches to	elimin	ate it as an al	ternativ	e explanation i
	(A)	Matching	(B)	Independent	(C)	Dependent	(D)) Partial
66.	A sequencing effect that occurs when performance in one treatment condition is influenced by participation in a prior treatment condition is known as							
	(A)	Counterbala	ncing e	ffect	(B)	Carryover et	ffect	
	(C)	Treatment e	ffect		(D)	Order effect		
67.	The	group that do	es not r	eceive the expe	rimen	tal treatment o	condition	n is the
	(A)	Experimenta	al group		(B)	Control grou	ір	
	(C)	Participant s	group		(D)	Independen	t group	

68.	Ana	lysis of covariance is:						
	(A)	A statistical technique variables	that can be used	to help equate groups on specific				
	(B)	A statistical technique th	at can be used to	control sequencing effects				
	(C)			random assignment to groups				
	(D)			ariable to control for extraneous				
co	Λ ++	141	1 1					
69.		rition generally occurs in re						
	(A)	You do demographic rese	arch					
	(B)	The study fails						
	(C) (D)	Some participants do not The study is very brief	complete the stud	ly				
70.	An extraneous variable that systematically varies with the independent variable and also influences the dependent variable is known as a							
	(A)	Confounding variable	(B)	Third variable				
	(C)	Second variable	(D)	Both (A) and (B) are correct				
71.	Which of the following statements is true?							
	(A)	A statistical relationship	is sufficient evide	ence to infer causality				
	(B)	Temporal order of the ca	use and effect is n	ot important in inferring causality				
	(C)	A statistical relation of Y	and Y is insuffici	ent evidence for inferring causality				
	(D)	Temporal order of cause only needed to infer cause		riables and statistical relation are				
72.	The	process of drawing a sam	ple from a populat	ion is know as:				
		Sampling	(B)	Census				
	(C)	Survey research	(D)	None of the above				
73.		umber calculated with con population is called which		data and quantifies a characteristic of				
	(A)	A datum	(B)	A statistic				
	(C)	A parameter	(D)	A population				
74.	the		f the males and a	Hospital, divided them by gender, and random sampling of the females, the on is called the				
	(A)	Independent variable	(B)	Dependent variable				
	(C)	Stratification variable	(D)	Sampling variable				

75.		le who are available, volunteer, o bling method, called	r can	be easily recruited are used in th				
	(A)	Simple random sampling	(B)	Cluster sampling				
	(C)	Systematic sampling	(D)	Convenience sampling				
76.	When	n each member of a population has a lled:	an equal	lly likely chance of being selected, thi				
	(A)	A non-random sampling method						
	(B)	A quota sample						
	(C)	A snowball sample						
		An Equal probability selection met	hod					
	A 4	1 C I : 1 C 1 : (-)						
77.		ther name for a Likert Scale is a(n):	(7)	7				
	9.230	Interview protocol	(B)	Event sampling				
	(C)	Summated rating scale	(D)	Ranking				
78.		ch of the following terms best descr er time by a different person for a d		, , , , , , , , , , , , , , , , , , ,				
	(A)	Primary data	(B)	Secondary data				
	(C)	Experimental data	(D)	Field notes				
79.	Which of these is not a method of data collection?							
10.	(A)	Questionnaires (B) Interviews	(C)					
	(11)	Questionnaires (b) Interviews	(0)	Experiments (D) Observation				
80.	Whi	ch of the following is the correct orde	er of Ste	evens' four levels of measurement?				
	(A)	Ordinal, nominal, ratio, interval	(B)	Nominal, ordinal, interval, ratio				
	(C)	Interval, nominal, ordinal, ratio	(D)	Ratio, interval, nominal, ordinal				
81.	Whi	ch scale is the simplest form of meas	sureme	nt?				
01.	(A)	10일 전 시작 10명 시간 10명						
	(22)	Trominar (b) Orumar	(0)	interval (b) Italio				
82.	Ifa	test measures a single construct the	n:					
	(A)	The items should correlate with th	e total	score				
	(B)	The items should not correlate wit	h the to	tal score.				
	(C)	The test should not correlate with	other m	neasures of the same construct				
	(D)	There must be a reliable alternative	ve form					
83.	The	research participants are describe	d in de	atail in which section of the record				
00.	plan		u III ut	coan in which section of the research				
	(A)	Introduction (B) Method	(C)	Data analysis (D) Discussion				

84.	Whi	ch correlation is the strongest?					
	(A)	+ .10 (B)95	(C)	+.90 (D) -1.00			
85.		strongest evidence for causality com hods?	nes fr	com which of the following research			
	(A)	Experimental	(B)	Causal-comparative			
	(C)	Correlational	(D)	Ethnography			
86.	A po	ositive correlation is present when					
	(A)	Two variables move in opposite direct	tions				
	(B)	Two variables move in the same direct	ction				
	(C)	One variable goes up and one goes do	wn				
	(D)	Several variables never change					
87.	A co	ndition or characteristic that can take	on di	fferent values or categories is called			
	(A)	A constant	(B)	A variable			
	(C)	A cause-and-effect relationship	(D)	A descriptive relationship			
88.	Mos	t common approach for allele sharing i	is				
	(A)	Affected sibling pair (ASP)	(B)	Calculating likelihood ratio			
	(C)	Calculating odds ratio	(D)	Calculating relative risk			
89.	LOI	O score is					
	(A)	Log10 of likelihood ratio	(B)	Increase of likelihood ratio			
	(C)	Score for calculating mortality rates	(D)	Score for calculating relative			
90.	The method(s) for detecting association in genetic diseases						
	(A)	Case - control studies					
	(B)	Family based controls					
	(C)	Transmission disequilibrium test					
	(D)	All of the above					
91.	Wh	ich of the following is NOT a statistica	l com	puting software?			
	(A)	Epi Info	(B)	Graphpad			
	(C)	SPSS	(D)	SCORE			
92.	Sta	ndard deviation is an example of					
	(A)	Central tendency	(B)	Significance testing			
	(C)	Normally distributed data	(D)	Dispersion of data			

93.	The	method commonly u	sed for red	lucing exp	erin	mental bias		
	(A)	Sampling		(B)	Intervention		
	(C)	Randomization		(D)	Estimation of mean		
94.	Coh	ort study includes						
	(A)	Comparision of inc	lividuals w	ith and w	itho	out disease		
	(B)	Comparision of inc	lividuals ex	xposed an	d no	ot exposed to a risk factor		
	(C)	Manipulation of manipulation	a situatio	on followe	ed	by measurement of the effects	of	
	(D)	Systematic collect particular situatio		resentatio	on (of data to give a clear picture of	а	
95.	Nor	mally distributed da	ıta is					
	(A)	Symmetrical and a	all values a	re close to	o ea	ch other		
	(B)	Mean, median and	l mode are	different				
	(C)	Asymmetrical abo	ut its mear	n				
	(D)	Total area is one s	quare unit					
96.	1% level of significance indicates							
	(A)	M±SD			(B)	M±2SD		
	(C)	M±3SD			(D)	M±4SD		
97.	The	formula for sample	size calcul	ation whe	n p	roportion is the parameter of study		
		$Z^2 \times S^2 / d^2$				$Z^2 \times p \times q / d^2$		
	(C)	$(Z_\alpha + Z_\beta)^2 \; p \times q \times 2 /$	d^2		(D)	$(Z_\alpha + Z_\beta)^2 \times$ $S^2 \times$ 2 / d^2		
98.	results if you fail to reject the null hypothesis when the null hypotheis is actually false.							
		Type I error			(B)	Type II error		
	(C)	Type III error			(D)			
99.	In a	statistically sound	study Type	e II error	sho	uld be		
	(A)		B) ≤ 10%		(C)	≤15% (D) ≤20%		
100.	AS	creening test should	have					
100.	(A)	High sensitivity a		ecificity				
	(B)	Low sensitivity a	3273					
	(C)	High sensitivity a	-					
	(D)	Low sensitivity a	The state of the s					
	(1)	Low Scholartity at	in men she	continuity				

is