MCQ ON VITAMINS

1. Vitamin A	or retinal is a				
(A) Steroid	(B) Polyisop	renoid compo	ound containing a cyclo	hexenyl ring	
(C) Benzoquii	none derivativ	e (D)	6-Hydroxychromane		
2. β-Carotene,	precursor of	vitamin A, is	oxidatively cleaved by		
(A) β-Caroten	e dioxygenas	e (B) Oxyger	nase \		
(C) Hydroxylase ((D) Transfe	(D) Transferase		
3. Deficiency	of Vitamin A	causes			
(A) Xeropthalmia		(B) Hypoprothrombinemia			
(C) Megaloblastic anemia (D) F		(D) Pernici	D) Pernicious anemia		
3. Carr-Price 1	eaction is use	d to detect			
(A) Vitamin A	(B) V	itamin D	(C) Ascorbic acid	(D) Vitamin E	
4. The most pe	otent Vitamin	D metabolite	is		
(A) 25-Hydroxycholecalciferol		(B) 1,25-Dihydroxyd	(B) 1,25-Dihydroxycholecalciferol		
(C) 24, 25-Dihydroxycholecalciferol		alciferol	(D) 7-Dehydrochole	esterol	
5. Creatinuria	is caused due	to the deficie	ncy of vitamin		
(A) A	(B) K	(C) E	(D) D		
6. Vitamin K	is involved in	posttranslatio	onal modification of the	blood clotting	
factors by act	ing as cofacto	r for the enzy	me:		

(A) Carboxylase	(B) Decarbox	ylase	(C) Hydroxy	lase (D) Oxidase		
7. Concentration of of the vitamin	f pyruvic acid and	d lactic a	acid in blood i	s increased due to deficiency		
(A) Thiamin (B)	Riboflavin	(C) Ni	acin (D) F	antothenic acid		
8. Vitamin B1 coer	nzyme (TPP) is in	nvolved	in			
(A) Oxidative deca	rboxylation		(B) Hydroxy	(B) Hydroxylation		
(C) Transamination	n		(D) Carboxy	lation		
9. Magenta tongue(A) Riboflavin		•	y of the vitam			
10. The pellagra pr	reventive factor is	S				
(A) Riboflavin	(B) Pantother	nic acid	(C) Niacin	(D) Pyridoxine		
11. Niacin or nicot	inic acid is a mor	nocarbox	xylic acid deri	vative of		
(A) Pyridine	(B) Pyrimidii	ne	(C) Flavin	(D) Adenine		
12. Niacin is synth	esized in the bod	y from				
(A) Tryptophan	(B) Tyrosine	(C) Gl	utamate	(D) Aspartate		
13. Pellagra occurs in population dependent on						
(A) Wheat (B)	Rice $(C) M$	<i>[aize</i>	(D) Milk			
14. Pantothenic aci	id is a constituent	of the c	oenzyme invo	olved in		
(A) Decarboxylation	on	(B) De	ehydrogenatio	n		
(C) Acetylation		(D) O	xidation			

15. The precursor of C	CoA is			
(A) Riboflavin	(B) Pyridoxamine	(C) Thiamin	(D) Pantothenate	
16. 'Burning foot synd	drome' has been ascrib	ped to the defic	iency of	
(A) Pantothenic acid	(B) Thiamin (C) Co	balamin	(D) Pyridoxine	
17. 'Xanthurenic acid	index' is a reliable cri	terion for the d	eficiency of the vitamin	
(A) Pyridoxal (B) The	iamin (C) Pantothen	ic acid (D) Co	balamin	
18. Biotin is a coenzy	me of the enzyme			
(A) Carboxylase	(B) Hydroxylase	(C) Decarbox	ylase (D) Deaminase	
19. Folate deficiency causes				
(A) Microcytic anemia (B) Hemolytic anemia				
(C) Iron deficiency an	emia (D) Megalobi	lastic anemia		
_	thesised in human beir		_	
(A) Histidine (B) Pho	enylalanine (C) Ty	rosine (D) Tr	yptophan	
21 Dontothania asid a	ontains an amino acid	which is		
		WHICH IS		
(A) Aspartic acid(C) β-Alanine	(D) β-Aminoisobutyr	io acid		
(C) p-Alainne	(D) p-Antinoisobutyr	ic acia		
22 Coenzyme A cont	ains a nitrogenous bas	e which is		
·	anine (C) Choline		nine	
(11) 1140111110 (D) Ou	unine (C) Chomic	(D) Emimoral		
23 . Pyridoxal phosph	ate is a coenzyme for			

(A) Glycogen synthet	ase (B) Phosphorylase
(C) Both (A) and (B)	(D) None of these
24. Pyridoxine deficie	ency can be diagnosed by measuring urinary excretion of
(A) Pyruvic acid	(B) Oxaloacetic acid (C) Xanthurenic acid (D) None of these
25. When eggs are co	oked
(A) Biotin is destroye	d but avidin remains unaffected
(B) Avidin is inactive	ted but biotin remains unaffected
(C) Both avidin and b	piotin are inactivated
(D) Both avidin and	biotin remain unaffected
26. Chemically, lipoid	e acid is
(A) Saturated fatty ac	id (B) Unsaturated fatty acid
(C) Amino acid	(D) Sulphur containing fatty acid
27. Deficiency of vita	min B12 can be diagonised by
(A) Carr-Price reaction	on (B) Ames assay
(C) Watson-Schwartz	test (D) Schilling test
28. Anti-oxidant activ	vity is present in
(A) β-Carotene	(B) Retinol (C) Retinoic acid (D) All of these
29. Nyctalopia is	
(A) Drying of eyes	(B) Destruction of cornea
(C) Blindness	(D) Inability to see in dimlight
30. Ascorbic acid can	reduce

(A) 2, 4-dinitro benz	zene (B) 2, 6-1	(B) 2, 6-Dichlorophenol Indophenol			
(C) 2, 4-dibromoben	zene (D) 2, 6-c	libromo benzene			
31. Sterilized milk is	s devoid of				
(A) Vitamin A(B) V	'itamin B1 (C	C) Vitamin C (D) Vitar	min D		
32. Antirachitic vita	min is				
(A) Vitamin A	(B) Vitamin D	(C) Vitamin E	(D) Vitamin K		
33. Convulsive episo	odes occur when th	ere is a severe deficien	cy of:		
(A) Pyridoxine	(B) Folic acid	(C) Thiamine	(D) Riboflavin		
34. Which of the following tansaminations?	lowing vitamin is in	nvolved in coenzyme fo	unction in		
(A) Nicotinamide	(B) Pyridoxine	(C) Thiamine	(D) Riboflavin		
· ·	•	oncentration of the foll	owing compound		
rises in blood a	nd intracellular flui	d:			
(A) Glycogen (B) S	Sugar (C) Amin	no acids (D) Pyru	vic acid		
36. Transketolase ac	tivity is affected in				
(A) Bitoin deficienc	y (B) Pyrid	(B) Pyridoxine deficiency			
(C) PABA deficienc	y (D) Thian	(D) Thiamine deficiency			