1. Which of following is common compound shared by TCA cycle and Urea Cycle.

	a. α – Ketoglutarate	9	b. Succinyl COA	Ą
	c. Oxaloacetate		d. Fumarate	
2.	There are about	_types of sp	pecialized cells i	n Human body.
	<i>a. 250</i> b. 350	c. 450	0 d. 550	
3.	A eukaryotic cell is genera	ally 10 to	um in	diameter.
	a. 400 b. 300	c. 200	d. 100	
4.	Sub-cellular organelles ar	e	_ in prokaryotic	cell.
	a. present b. abs	ent	c. both a & b	d. none
5.	is the largest of	cellular orga	nelle in cell.	
	a. Golgi apparatus	b. Lys	osomes	
	c. Nucleus	d. Mit	tochondria	
6.	is the major	site for purii	ne nucleotide sy	nthesis.
	a. Brain b. Live	e r C. adi	pose Tissue d.	Kidney
7.	Nucleus contains	the re	pository of gen	etic information.
	a. Ribosome	b. DNA	c. Cytosol	d. Vacuole
8.	The cellular matrix is colle	ectively refe	rred to as	·
	a. Ribosome	b. DNA	c. Cytosol	d. Vacuole
9	is the program	nmed cell de	eath or cell suici	de.
5.				
5.	a. Apoptosis	b. Autotosis	c. Destro	osis d. None

	a. Organic	b. Inorganio	2	c. both a & b	d. none		
11.Monosaccharides is based on which of the following functional group							
	a. Phenol	b. Alcohol		c. Ketoses	d. None		
12. The confi	carbohydratet ha guration of others	at is taker	n as a	reference	for writing th	۱e	
	a. Dihydroxyaceto	one	b.Glyc	eraldehyde			
	c. D-Erythrose		d. D-X	ylose			
13. If two monosaccharide differ in configuration around a single carbon atom, they are known as							
	a. Diclomers	b. Bimers		c. Epimers	d. None		
14. The r	non-carbohydrate r	noiety found	in glyco	osides is knov	vn as		
	a. Aglycone	b. Agnine		c. both a & b	d. None		
15. Citra	te Synthase is inhib	ited by		_·			
	a. ATP b. Ace	etyl CoA	c. AD⊦	d. Both	n a & b		
16. Kreb	Cycle is	in nature					
	a. Anabolic	b. Catabolio	2	c. Amphiboli	c d. None		
17. TCA cycle is actively involved in							
	a. Gluconeogenes	is	b. Pho	sphorylation			
	c. Both a & b		d. Nor	e			
18. One	of the following en	zymes in glyo	colysis c	atalyzes an ir	reversible action.	•	
	a. Hexokinase		b. Phos	sphofructokin	ase		
	c. Pyruvate kinase	?	d. All o	fthem			

19. Syntl	hesis of 2, 3-bispho a. Liver	osphoglycera	te occurs in b. Kidney	the tissue na	amely.			
	c. Erythrocytes		d. Brain					
20. End J	product of glycolys	is is						
	a. Glucose	b. Pyruvic	Acid					
	c. Citric Acid	d. Glycoge	n					
21. The l	normone that lowe a. Glucagon c. Epinephrine	ers cAMP cor b. Insu d. Thyr	ncentration i <i>lin</i> oxine	n liver cells is	5			
22. The I	number of ATP pro	duced when	a molecule	of acetyl CoA	A is oxidized			
throu	gh citric acid cycle							
	a. 12	b. 24	c. 38	C	1. 15			
23. The (23. The connecting link between HMP shunt and lipid synthesisis							
24. The s	24. The six most common atoms in organic molecules							
	a. C,H,O,He,Ca &	S	b. C,H,O,N,F	P & S				
	b. C,H,O,Mg,Mn & S d. C,H,O,N,P & K							
25. The structure of proteins can be denatured by its particular								
	a. Heat		b. The pre	sence of oxy	gen			
	c. The polar bond	s of water m	olecules d	. The presen	ce of CO2 gas			
26. Which is a linear Polysaccharide?								
	a. Glycogen	b. Cell	ulose	c. Starch	d.Amylose			
27. Ribose is a pentose sugar found in								
	a. NAD	b. FAD	c. RNA	d. All of th	nese			

28. The r	nost abunda	nt monosacc	haride i	n nature is			
	a. Lactose	b. Glu	cose	c. Maltose	d. Sucrose		
29. Whic	h of the follo	wing is a pol	ysaccha	ride			
	a. Glucose	b. Glycog	jen	c. Amylose	d. Lactose		
30. The h	nighest conce	entration of c	ystine c	an be found in			
	a. Melanin	b. Kei	ratin	c. Myosin	d. Collagen		
31. The f	ormation of	cysteine occu	urs at				
	a. ER	b. Go	lgi appa	ratus			
	c. Cytosol	d. Mi	tochond	Iria			
32. Natu	ral Lipids are	readily solut	ole in				
	a. Oil	b. Mercury	C	c. Water	d. None of these		
33. The s	synthesis of g	lucose from	fat is ca	lled			
	a. Glycolysis c. Saponifica	os cycle coneogenesis					
34. High content of triglyceride is seen in							
	a. HDL	b. LDI	_	c. VLDL	d. Chylomicrons		
35. The no. of double bond in Arachidonic acid							
	a. 1	b. 2	c. 3	d. 4			
36. Two	Monosaccha	ride's are joi	ned by				

37. Monosaccharides are

	a. Aldoses	b. Ke	toses	c. Both	a & b	d. nor	ne of these
38. The	38. The most common monomer of carbohydrate is						
	a. Nucleotid	le	b. Glucose	C.	Amino aci	ids	d. Maltose
39. The	element foun	ıd in al	l amino acid	s that is n	ot found in	n carbo	ohydrates is
	a. Sulphur		b. Carbon	C.	Oxygen		d. Nitrogen
40. The	following sub	stance	is ketogenio	2			
	a. Fatty Acio c. Lysine	ls	b. Leucine d. all of the	m			
41. Horr	none sensitiv	e lipas	e activity is i	nhibited	by the hori	mone	
	a. Epinephr	ine	b. Insulin				
	c. Thyroxine	5	d. Glucocor	ticoids			
42. Hype	ercholesterol	emia is	observed in	the diso	rder		
43. Cellı	a. Hypothyroidism <i>c. Diabetes mellitus</i> c. Nephrotic Sydrome d. All of them						
a Endergonic Reaction h Oxidation Reaction							
	c. Exergonic	React	ion	d. None	of these		
44. Nucleoside is a pyrimidine or purine base which							
	a. covalenti	y bond	led to sugar	b	. Ionically b	oondec	to sugar
	c. Hydrogen	bond	ed to sugar	d	. None of t	hese	-
45. A compound which found in all living cells and play key role in energy							
trans	transformation is						
	a. ADP	b. AT	P c. Ch	lorophyll	d. Gra	anum	

BIOCHISTRY MCQ'S 46. Type III glycogen storage disease is known as _____. a. Cori disease b. Gierke's disease c. Pompe's disease d. Anderson's disease 47. DNA replication states with a. Small fragments of DNA b. DNA ligase c. OKAZAKI fragments d. Small fragments of RNA 48. Each enzyme have its structure. a. Primary b. Secondary **c. Tertiary** d. Quaternary 49. Bile acid is synthesized in ______. **b. Liver** c. Inine a. Kidney d. Stomach 50. ______ is a end product of gluconeogenesis pathway. a. Pyruvate **b. Glucose** c. Bile acid d. Oxaloacetate 51. Anabolic glycolysis occur in ______. a. Liver b. Kidney c. Muscles d. Brain 52. Glucose 6 phosphate enzyme is present in _____. a. Liver b. Brain c. Lungs d. Muscles 53. Which of the following is general formula for monosaccharide a. $C_n H_{2n+2} O_n$ b. $C_n H_{2n+1} O_n$ c. $C_n H_{2n} O_n$ d. $C_n H_{2n} O$ 54. Proteins are polymers of a. L – α Amino Acid b. L – β Amino Acid

	c. D – α Amino Acid		d. D - β Amino Acid				
55. The SI unit of potential energy is							
	a. Pascal	b. Dyne	c. Joule	d. po	und		
56. Whic	ch pyrimidine bas	e contains an a	imino group a	it fourth car	bon?		
	a. Cytosine	b. Thymine	c. Ura	cil	d. Adenine		
57. The r range	normal concentra e of	ation of uric aci	d in the serur	n of adults is	s within the		
	a. 3 – 7 mg/dL	b. 2 -	- mg/dL				
	c. 7 – 8 mg /dL	d. 5 -	- 9 mg/dL				
58.In photosynthesis Co ₂ , light, water act as							
	a. Reactant	b. Product	c. By p	product	d. Catalyst		
59.Cytoo	hrome oxidases	are example of					
	a. Oxygenase c. Oxidases	b. De d. Ox	hydrogenase idoreductase				
60. Bloo	d urea decreases	in all of the fo	lowing condit	ions except	than		
	a. Liver cirrhosis c. Renal Failure	b. Pregnano d. Angina P	ε ctoris				
61. Following is onset mist toxic compound							
	a. Tyrosine	b. Phenyl p	yruvate				
	c. Lysine	d. Phenylala	anine				
62. Helic	ase are depende	nt on	for ener	gy.			
	a. ATP	b. Glucose	c. GTF)	d. FADH		

63. ______ used to dissolve blood clots in circulation.

- a. Penicillin **b. Streptokinase**
- c. Phosphokinase d. None

64. During RNA Replication hydrogen bond is breaked by

- a. DNA ligase **b. DNA helicase**
- c. DNA gyrase d. DNA polymerase
- 65. Which one is the largest particulate of the cytoplasm?
 - a. Lysosomes b. Golgi apparatus
 - c. Mitochondria d. Endoplasmic reticulum