e. Doxazocine d. Butaxamine b. Labetalol c. Yohimbine a Prazocin 97. Advantage of cardio-selective  $\beta$  blockers over non-selective  $\beta$  blockers is: d. No drug interaction e. Low price Le. Prolonged action b. No bradycardia a. No bronchoconstriction 98. Treatment of choice for cheese reaction is: d. Pentazocine e. Propranolol Le Phenoxybenzamine b. Phentolamine a. Prazocin 99. B adrenergic blockers are contraindicated in: a. Compensated CCF b. Hyperthyroidism Ls. Hypertrophic obstructive cardiomyopathies d. Diabetes Mellitus 100. From antimetabolites Purine antagonist is: e. 5-Florouracil d. 6-Mercaptopurine c. Cyclophosphamide 101. Level of which of the following should be checked as immune competency before starting anti tuberculosis drugs Methotraxate LS TGF-beta 102. Pateint on renal transplantation uses a drug called cyclophosphamide the major side effect of the drug is Le. Toxicity of bladder 103.Immuno therapy with with of the following drugs will be best for Chronic granulomatous disease VE. INF gamma 104. Immune modulater used for covid is dexamethasone, main effect of dexa is b. INF beta d. Decrease TNF c. Increase glucose level Lb. Inhibit NFKB 105. Which of the following hypertensive drugs will increase the level of cyclosporine d. Verapamil b. propranolol 106. Allopurinol will increase the toxicity of which of the following: td. Both A and B 107. Wart therapy for HPV with imiquimod stimulate which of the following receptor b. azathioprine b. Toll like receptor 108. Most common syndrome caused by cyclophosphamide is a. Zwellenger syndrome b. Serotonin syndrome Le CMalignant hypothermia d. SIADH 109. Best immunosuppressive drug for kidney transplant is d. Dexamethasone 1. Sirolimus b. Cyclosporine 110. Immunosuppressive therapy with suppressant will lead to infection with W. Nocardia c. Candida b. Toxopalsma a. CMV

## Block H (Multisystem I, Blood & Immunology II and MSK II Modules) Theory Paper –3<sup>rd</sup> Year MBBS – Internal Assessment KMU Institute of Medical Sciences, Kohat

		KIVIU Ins	titute of Medic	WI STATISTICS	en m	
iame: Z	ia - K	Chan		Roll No.	87	
-	Table 1		SECTION .		- 12	The state of
Which of the foll	lowing best de	scribes pleomor	phism?	iple nuclei	Variability	in shape and size
				discoloration of nuclei &	nucleoli	ish a high N/C
The cells are diff	erent from wh	ere they arose fr	om e parin	. The smear is reported	as "Atypical ce	il seen with a me.
A 38-year-old fe	male undergo	es a routine PAP	t canadral bloosy is	discoloration of nuclei & n. The smear is reported advised. The biopsy shot Many of the malignant s	ws a tumor com	posed of sheets of
tio, hypercheum	acirc arred burner.	was a second to the second	endarbeine stroma.	Many of the malignant s	quamous cell n	ests show present
ests of malignant	squamous ce	its invading the t	ing is the best desc	ription of her lesion?		an differentiated
eratin pears at t		b. Mild dyspla				
Severe dysplasia	k.	ama noorly diffe	rentiated	e. Invasive adenocarci	noma, well diffe	Manual Comment
Invasive squame	ous cen carcini	oma, poorly diffe	llowing statements			
					of blood dorne	rumor cells
Size of the prim	ary turnor of to	imor cells, anapli	asia and no. of mito	nph nodes Le Presence sis e Presence of capsu the ER complaining of v	lar invasion of	al pain, intermittent
Degree of differ	ith a history (	of Hepatitis B infe	ection presented to	the ER complaining of vation, Diffuse abdominal	tanderness, he	patomegaly and yellow
A young man w	h weight loss	over the past 6 n	nonths. On examina	ation, Diffuse abdomina	which of the f	e path, increasing and yellow ollowing serum markers
evers, and a zon	showed a diffe	usely nodular liv	er with a dominant	nodule measuring 5 cm		20.00
s useful for mon	itoring the dis	ease progression	in this patient?	d. CA-175		e. PSA
AEP	b.CE	A	LE B-HCG			100000000000000000000000000000000000000
A 21-year-old	woman preser	nts with a painfu	I right knee. An x-r.	ay reveals a mass arising im the bone, an osteosar . Which of the following	coma; When th	ne patient was 2 years
rom the distal fo	emur. Biopsy 1	shows a malignar	nt tumor arising fro	m the bone, an osteosar Which of the following	regulatory gen	es is most likely
			from the right eye		-	The second second
responsible for t	hese eye and	bone lesions?	Jon cumpros	or sene d. TP53 sup	pressor gene	e. BRCA1 suppressor gene
MYC proto-on	cogene b.R	AS proto-oncoge	ne LE RB suppres	sor gene d. TP53 sup uch as hypertension, he it are found in exons and	art disease, and	diabetes, the stody
6. A clinical stur	dy is performe	d involving com	plex genetic traits	uch as hypertension, her at are found in exons and y?	introns and ar	e frequent and stoore.
makes use of na	turally occurr	ing variations in	o wend in this study	O. C.		e b. manhicent
Which of the fo	llowing geneti	c markers is bein	ng used in this stud Robertsonian trans	locations Loc	Single-nucleotic	de polymorphisms
a. Proto-oncoge	nes	autorione 8	Trinucleotide repea	t mutations		on the pregnancy, fetal
d Three-base p	air frameshift	me where hirth at	37 weeks to a sma	II-for-gestational-age m	ale infant. Our	He has a large tongue.
7. A 23-year-old	woman, uz.	actial cushion de	efect and polyhydra	mnios from probable du promosomal abnormali d	opdenai atresia	ng the pregnancy, fetal . He has a large tongue, ly to be present?
ultrasound sho	wed an endoc	ar Gran Conn. Milhie	h of the following	hromosomal abnormani	ties is most mer	47.999
stanting eyes at	nd simian pain	17 XX +21	€47,XY,+18	G. a. A.FLa	mets on the ir	is macroglossia, low-set
a. 45,X	d	s birth to a term	infant with an um	bilical hernia, Brushneso	and exhibits only	is, macroglossia, low-set y mild mental retardation.
E. A 39-year-of	alashral fissur	es, and a heart r	nurmur. The infant	survives to childrood a	to be present in	y mild mental retardation. In the somatic cells of this
ears, oblique p	Mouden chron	nosomal abnorm	salities, affecting as	itosomes, is most likely	to be present	n the somatic cells of this
Which of the to	SHOWING CLILO.		100000000000000000000000000000000000000	d Tetrapi	nidy	e. Triploidy
child?	ь.	Monosomy	Le Mosaicise	n di resimp	one y	The state of the s
a Haptordy	was reflected	" represents a b	enign tumor?	na d. Chordo	nma	Mesothelioma
9. Which one	b.	Lymphangioma	Le Lymphon	18 U. Crioros	erain foods mo	st commonly induce:
a Leukerna	cal carcinogen	aflatoxin 8-1 de	erived from a fungi	d. Chorde us, which contaminates i of rectum Lo Squam	ous cell carcino	ema of skin
			. Renal cell carcino	ma	ner, outer area	of his right arm. Biopsy
d. riepatoceno	old man notic	ed enlargement	over 2 months in t	ne skin lesion on the up	ical examinatio	of his right arm. Biopsy n yields no other remarkabl
Endings show	atypical squa	mous cells with	excessive keratiniza	mon on historogy. Fire		
Attended to the Additional	th of the occul	Samons is time	A STATE OF THE PARTY OF THE PAR	rve had earlier in life? Tifeguard on the beach		
	COLUMN TOWNS TO SERVICE	e::ruaunru	Oct Otherwalls	drammer lin for the nact	5 days, On phy	ysical examination, there are ing descriptive terms best
12. A 20. vear	old man has r	noted a cluster o	f small lesions on h	of with clear fluid. Which	h of the follow	ing descriptive terms best
four lesions r	anging from 0.	2 to 0.5 cm that	are raised and fille	a with Cear Huid. Tarric		21 7 7 7
when the state with	Lasterna 2			2 (44)	19 (200)	e. Vesicies
		Macules	LE Papules	ower the past month. Or	- developed owner.	nination there are 1- to 3-cm
13 A 27-year	old woman h	as developed ar	eas of scaling skin	torre A punch bionsy of	one lesion ex	nination there are 1- to 3-cm amined microscopically shoot terms best applies to this
light pink pla	ques covered	with silvery scal	e on her arms and	wm Which of the follow	ing descriptive	terms best applies to this
Veratingcyte	nuclei retaine	d within cells in	the stratum corne	ann avhica of the follow		terms best applies to this
Irranemak	finding?		12.200.000	of Disco.	Loratoria .	a Spanningle
- Avanthors		b. Dyskeratosis	The Country of the Party of the	to se by subtable his continies	s a right tihial	dianhusaal fracture. The
14 A 39-year	r-old man on	vacation is involved	ved in a skiing accid	soner alignment. What	s the most like	diaphyseal fracture. The ely function of osteoclasts
A TAXABLE TAXABLE	et with open n	CONCTINIT SING IIII	ernal fixation for p	obel and		1 - menon or osteociases
protect at h	is fracture site	1 week later?	and the same of th	ng collagen d. Resi	orbing bonn	
bresein av a	The state of the s	is Flaborating cy	tokines LE Formir	E comment or section	STEEDING STREET	e. Synthesizing osteoid

a Digition mutabalism h	which one of the	STREET, THE PARTY OF THE PARTY			
a Purine metabolism b.					e. Cystine metabolism
53. Which one of the follo a. There is good evidence					
a. There is good evidence	that account the	cts the evidence	on smoking-cessa	ition interventions to inc	rease the chances of quitti
a. There is good evidence	that acupunctur	e is more effectiv	ve than control (sh	nam acupuncture.	
n. mere in Rood exidence	that hypnothers	any increases rate	as of abstinuace of	· classes and characteristics	o treatment.
and the property and a second to a second	vise their patient	is to quit, there is	no proof madance	on whether the same of the sam	
			out smoking and	to offer them treatment is	earls to an increase in the
				2173241110411	construction and the
e. There is no evidence th.	at such training	eads to more per	ople quitting.		
54. Which one of the folio	owing is likely to	be the most effe	ective at helping s	mokers quit?	
a. Group behavioral thera	IDV:	b. Self-help ma	storials	and delated to the same	cuch as multenegonal
55. Roughly what is the p	ercentage of att	empts to quit sm	oking without as	sistance that are successf	M3
N. TALTANA		D: 30%~40%		A PARK MARK	
56. Based on the best ava a. 1.5- to 2-fold	illable clinical ev	Idence, how mus	ch does nicotine-r	eplacement therapy incre	are the odds of substance
				c. 5- to 7-fold	rase the boos of quitting?
57. Blood-borne pathoger	ns may enter yo	ur system throug	h	W-2 10 7 10 10	
a. Skin abrasions		b. Open cuts		c. Mucous membranes	and a service
58. Which best distinguis	hes an infectiou	s disease from a	noninfectious disc	******	La: All of the above
<ul> <li>Infectious diseases ca</li> </ul>	an be cured with	antibiotics: nonin	fectious dispares	rannet	
o. Infectious diseases ca	an be prevented	with vaccines: no	ninfectious disease	as expand	
c. intectious diseases ca	an be spread from	n one organism to	o another noninfe	ctions disperse some	
d. Infectious diseases ca	innot be transmi	tted from one on	Taken to another	ctious diseases cannot.	2004/200
59. If you are exposed to	potentially infer	tions materials (	patism to another,	nonintectious diseases ca	n be
disease?	And the state of the state of	Mous meterials (	PINL WRITE WORKIN	g, you may request a vacc	ine for which blood-borne
a. Syphilis	b. HIV		1 E HBV		34444455
All Salesman			Demos		d. Influenza
60. When discussing the	Blood-borne Pa	thogen Standard,	what are the mail	n diseases of concern?	
UN HIV, HBV, HCV	b. PVC	HAV, HDV		PCP, HEV	d. HIV, HEV, BVD
61. In Pnumoconiosis all	are included exc	ept			
a. Asbestosis	b, Silici	osis	c. Anth	racosis	Lat. Bagasosis
62, Ergonomics is related					2
. Economics b. Agrico			reduce occupation	nal hazards d. Agric	cultural economics
63. The acceptable level					
a. 0.1mg/l	Mr. 0.4n		c. 0.5m		d. 0.01mg/l
				ligning different activities f minated if smoking is stopp	for the smokers. These are sed. This proportion of lung
cancer can be indicated b			AND AND REAL PROPERTY.		
a. Relative Risk	b. prevalence	c. Attributable			Le Incidence density
	dving maternal r	nortality in Kohat	district. He observ	red more deaths in women	
		and the same of the same			And the second second second second
hospital without taking o	other factors into	account conclude		anaged cases have more in	nortality as compared to
hospital without taking o home deliveries. This is a	other factors into an example of:		ed that hospital m		
hospital without taking of home deliveries. This is a a indirect association Ur.	other factors into an example of: Relative risk	c. spurious asso	ed that hospital ma	butable risk	e. causal association
hospital without taking o home deliveries. This is a a indirect association the 66. The trend in mortality	other factors into an example of: Relative risk by from tuberculo	c. spurious asso	ed that hospital ma ociation d Attrib owed a steady fall i	butable risk in years 1855-1965, but the	e. causal association
hospital without taking of home deliveries. This is a a. Indirect association Ur. 66. The trend in mortality the incidence of this dise	other factors into an example of: Relative risk by from tuberculo case was reported	c. spurious asso sis in England sho d .This type of tim	ed that hospital mu ociation d. Attrit owed a steady fall i se trend or fluctuat	butable risk in years 1855-1965, but the tion in disease occurrence	e causal association reafter a gradual rise in is termed as:
hospital without taking o home deliveries. This is a a. Indirect association Ltr. 66. The trend in mortality the incidence of this dise	other factors into an example of: Relative risk by from tuberculo case was reported b. cyclical trend	c. spurious asso isis in England sho d .This type of tim c. seasonal tren	ed that hospital mu cciation d. Attrib owed a steady fall in the trend or fluctual d. secul	butable risk in years 1855-1965, but the tion in disease occurrence i ar trend	e. causal association preafter a gradual rise in is termed as:
hospital without taking o home deliveries. This is a a indirect association Ltr. 66. The trend in mortality the incidence of this dise Lar Epidemic Trend 67. In the mid nineteenth	other factors into an example of: Relative risk by from tuberculo case was reported b. cyclical trend h century, an epic	c. spurious asso sis in England sho d. This type of tim c. seasonal tren demiologist sugge	ed that hospital mu cciation d. Attrib owed a steady fall in the trend or fluctual d. secul	butable risk in years 1855-1965, but the tion in disease occurrence	e. causal association preafter a gradual rise in is termed as:
hospital without taking o home deliveries. This is a a. Indirect association Let. 66. The trend in mortality the incidence of this dise as Epidemic Trend 67. In the mid nineteenth agent is present. This typ	other factors into an example of: Relative risk by from tuberculo case was reported b. cyclical trend th century, an epic pe of association	c. spurious asso sis in England sho d. This type of tim c. seasonal tren demiologist sugge gives:	ed that hospital modelation d. Attrib owed a steady fall in the trend or fluctuated d. d. secul ested that cholera	butable risk in years 1855-1965, but the tion in disease occurrence i ar trend was caused by drinking wa	e. causal association ereafter a gradual rise in is termed as: "e. pandemic trend ter in which an invisible
hospital without taking of home deliveries. This is a a indirect association the 66. The trend in mortality the incidence of this dise to be pidemic Trend 67. In the mid nineteenth agent is present. This typ a specificity	other factors into an example of: Relative risk by from tuberculo ease was reported b. cyclical trend h century, an epi- be of association b. Temporal seg	c. spurious asso sis in England sho d. This type of tim c. seasonal tren demiologist sugge gives:	ed that hospital mu cciation d. Attrib owed a steady fall in the trend or fluctual d. secul	butable risk in years 1855-1965, but the tion in disease occurrence i ar trend	e. causal association preafter a gradual rise in is termed as:
hospital without taking o home deliveries. This is a a indirect association labeled. The trend in mortalith the incidence of this dise. Epidemic Trend 67. In the mid nineteenth agent is present. This typ a specificity 68. Bhopal gas tragedy is a slow epidemic b. conti	other factors into an example of: Relative risk ty from tuberculo asse was reported b. cyclical trend h century, an epi- pe of association b. Temporal sec-	c spurious asso siss in England sho d .This type of tim c seasonal tren demiologist sugge gives; guence Le Biolo	ed that hospital mo ociation d. Attrib owed a steady fall is the trend or fluctual id d. secul ested that cholera o ogical plausibility	butable risk in years 1855-1965, but the tion in disease occurrence i ar trend was caused by drinking wa	e. causal association ereafter a gradual rise in is termed as: *e. pandemic trend ter in which an invisible e. Gradient
hospital without taking of home deliveries. This is a a Indirect association labeled to the feet of the trend in mortality the incidence of this dise. Epidemic Trend 67. In the mid nineteenth agent is present. This typ a specificity 68. Bhopal gas tragedy is a slow epidemic b. conti	other factors into an example of: Relative risk ye from tuberculo hase was reported b. cyclical trend h century, an epic be of association b. Temporal sees an example of: inuous epidemick	c spurious asso siss in England sho d. This type of tim c seasonal tren demiologist sugge gives; guence to Biolo	ed that hospital mi ociation d. Attrit weed a steady fall in the trend or fluctual id d. secul ested that choleral ogical plausibility sidemic d. propaga	butable risk in years 1855-1965, but the tion in disease occurrence i ar trend was caused by drinking wa d. consistency ted epidemic e. An acciden	e. causal association ereafter a gradual rise in is termed as: "e. pandemic trend ter in which an invisible e. Gradient at which did not warrant an
hospital without taking of home deliveries. This is a a indirect association life.  66. The trend in mortality the incidence of this dise.  Epidemic Trend  67. In the mid nineteenth agent is present. This typ a specificity  68. Bhopal gas tragedy is a slow epidemic b. contiemergency  69. Peridents of these will	other factors into an example of: Relative risk Pelative risk ye from tuberculo base was reported b. cyclical trend h century, an epi pe of association b. Temporal sec s an example of: inuous epidemick	c spurious asso siss in England sho d. This type of tim c seasonal tren demiologist sugge gives; guence to Biolo point source ep	ed that hospital mi ociation d. Attrit weed a steady fall in the trend or fluctual id d. secul ested that cholera is ogical plausibility sidemic d. propagar f water supply were	butable risk in years 1855-1965, but the tion in disease occurrence i ar trend was caused by drinking wa d. consistency ted epidemic e. An acciden	e. causal association recafter a gradual rise in is termed as: "e. pandemic trend ter in which an invisible e. Gradient at which did not warrant an study to identify cholera
hospital without taking of home deliveries. This is a a indirect association lut. 66. The trend in mortalith the incidence of this dise. Epidemic Trend. 67. In the mid nineteenth agent is present. This typ a specificity. 68. Bhopal gas tragedy is a slow epidemic b. contiemergency. 69. Residents of three vill.	other factors into an example of: Relative risk ly from tuberculo base was reported b. cyclical trend h century, an epide e of association in b. Temporal sec s an example of: inuous epidemic!	c spurious asso osis in England sho d. This type of tim c seasonal tren demiologist sugge gives; quence to Biolo point source ep different types of ad occurred in the	ed that hospital mi ociation d. Attrit owed a steady fall i he trend or fluctual id d. secul ested that cholera i ogical plausibility pidemic d. propaga f water supply were e recent past, virtu	butable risk in years 1855-1965, but the tion in disease occurrence is ar trend was caused by drinking wa d. consistency ted epidemic e. An accident e asked to participate in a ally everyone was present	e. causal association recafter a gradual rise in is termed as: "e. pandemic trend ter in which an invisible e. Gradient at which did not warrant an study to identify cholera
hospital without taking of home deliveries. This is a a indirect association lab.  66. The trend in mortality the incidence of this dise.  2 Epidemic Trend 67. In the mid nineteenth agent is present. This typ a specificity 68. Bhopal gas tragedy is a slow epidemic b. contiemergency 69. Residents of three vill carriers because several examination. The propor	other factors into an example of: Relative risk by from tuberculo lease was reported b. cyclical trend the century, an epi be of association b. Temporal see an example of: inuous epidemic! lilages with three cholera deaths hertion of carriers in	c spurious asso osis in England sho d. This type of tim c seasonal tren demiologist sugge gives; quence to Biolo point source ep different types of ad occurred in the n each village was	ed that hospital managed to the control of the cont	butable risk in years 1855-1965, but the tion in disease occurrence is ar trend was caused by drinking wa d. consistency ted epidemic e. An accident e asked to participate in a ally everyone was present mpared. This study is a:	e causal association ereafter a gradual rise in is termed as: *e. pandemic trend ter in which an invisible e. Gradient at which did not warrant an estudy to identify cholera at the time of
hospital without taking of home deliveries. This is a a indirect association labeled. The trend in mortalith the incidence of this dise. Epidemic Trend 67. In the mid nineteenth agent is present. This typ a specificity 68. Bhopal gas tragedy is a slow epidemic b. contiemergency 69. Residents of three vill carriers because several carriers because several carriers because several of examination. The proports.	other factors into an example of: Relative risk by from tuberculo case was reported b. cyclical trend h century, an epi pe of association b. Temporal sec an example of: inuous epidemic. Illages with three cholera deaths hertion of carriers in b. Case	c spurious asso osis in England sho d. This type of tim c seasonal tren demiologist sugge gives; quence to Biolo point source ep different types of ad occurred in the n each village was e control study	ed that hospital mi ociation d. Attrit owed a steady fall i he trend or fluctual id d. secul ested that cholera i ogical plausibility sidemic d. propagar f water supply were a recent past, virtu computed and con-	butable risk in years 1855-1965, but the tion in disease occurrence is ar trend was caused by drinking wa d. consistency ted epidemic e. An accident e asked to participate in a ally everyone was present mpared. This study is a: Concurrent cohort study	e causal association preafter a gradual rise in is termed as: *e. pandemic trend ter in which an invisible  e. Gradient at which did not warrant an asstudy to identify cholera at the time of
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hospital without taking of home deliveries. This is a a Indirect association by 66. The trend in mortality the incidence of this dise a Epidemic Trend 67. In the mid nineteenth agent is present. This typ a specificity 68. Bhopal gas tragedy is a slow epidemic b. contiemergency 69. Residents of three vill carriers because several examination. The proport a Cross sectional study d. Non-concurrent cohort 70. To compare the deatl a. Age specific mortality is set of the control of the compare the deatl a. Age specific mortality is a control of the control of t	other factors into an example of: Relative risk relative risk ye from tuberculo base was reported b. cyclical trend h. century, an epide of association b. Temporal sees an example of: inuous epidemic's liages with three cholera deaths hrtion of carriers in b. Case t study e. Retrospith rate of Nepal we rates	c spurious asso osis in England sho d. This type of tim c seasonal tren demiologist sugge gives; quence to Biolo point source ep different types of ad occurred in the n each village was e control study pective cohort stu- vith death rate of b. Crude death	ed that hospital mi ociation d. Attrit owed a steady fall is the trend or fluctual id d. secul ested that cholera is ogical plausibility sidemic d. propagar f water supply were the recent past, virtus computed and con-	butable risk in years 1855-1965, but the tion in disease occurrence is ar trend was caused by drinking wa d. consistency ted epidemic e. An accident e asked to participate in a sally everyone was present impared. This study is a: appropriate measure is a comportate measure is a comportate measure is a comportate measure is a comportate measure is a component of the component of	e causal association ereafter a gradual rise in is termed as: *e. pandemic trend ter in which an invisible e. Gradient at which did not warrant an estudy to identify cholera at the time of
hospital without taking of home deliveries. This is a a indirect association late 66. The trend in mortalith the incidence of this dise a Epidemic Trend 67. In the mid nineteenth agent is present. This typ a specificity 68. Bhopal gas tragedy is a slow epidemic b. continuergency 69. Residents of three vill carriers because several examination. The proport a Cross sectional study d. Non-concurrent cohort 70. To compare the deatl a Age specific mortality d. Standardized mortality d. Standardized mortality	other factors into an example of: Relative risk by from tuberculo case was reported b. cyclical trend h century, an epi pe of association b. Temporal sec is an example of: inuous epidemic. Illages with three cholera deaths hortion of carriers in b. Case it study e. Retross the rate of Nepal we rates	c spurious asso siss in England sho d. This type of tim c seasonal tren demiologist sugge gives; quence to filolo point source ep different types of ad occurred in the neach village was control study pective cohort study ith death rate of	ed that hospital mi occlation d. Attrit owed a steady fall i he trend or fluctual id d. secul ested that cholera i ogical plausibility sidemic d. propagar f water supply were a recent past, virtu computed and con- dy Pakistan, the most rates	butable risk in years 1855-1965, but the tion in disease occurrence is ar trend was caused by drinking wa d. consistency ted epidemic e. An accident e asked to participate in a ally everyone was present impared. This study is a: Concurrent cohort study appropriate measure is a c	e causal association ereafter a gradual rise in is termed as: *e. pandemic trend ter in which an invisible  e. Gradient at which did not warrant an estudy to identify cholera at the time of comparison between:
hospital without taking of home deliveries. This is a a Indirect association lar. 66. The trend in mortality the incidence of this dise a Epidemic Trend 67. In the mid nineteenth agent is present. This typ a specificity 68. Bhopal gas tragedy is a slow epidemic b. contiemergency 69. Residents of three vill carriers because several examination. The proport a Cross sectional study d. Non-concurrent cohort 70. To compare the deat a Age specific mortality d. Standardized mortality 71. Crude death rates me	other factors into an example of: Relative risk ty from tuberculo base was reported b. cyclical trend h. century, an epide of association b. Temporal set an example of: Inuous epidemicl. Illages with three cholera deaths h. ration of carriers in b. Case t study e. Retrospith rate of Nepal we rates y vrates eans	c spurious asso- sis in England sho d. This type of tim c seasonal tren demiologist sugge- gives; quence to Bloke c point source ep different types of an each village was e control study pective cohort stu- ith death rate of b. Crude death e. Life expectan	ed that hospital mi ociation d. Attrit owed a steady fall it he trend or fluctual d. secul ested that cholera is origical plausibility sidemic d. propagar f water supply were a recent past, virtus computed and con- dy pakistan, the most rates	butable risk in years 1855-1965, but the tion in disease occurrence is ar trend was caused by drinking wa d. consistency ted epidemic e. An accident e asked to participate in a ally everyone was present impared. This study is a: concurrent cohort study appropriate measure is a c concurrent measure is a c concurrent opportation in	e causal association ereafter a gradual rise in is termed as: *e. pandemic trend ter in which an invisible  e. Gradient  at which did not warrant an at the time of  comparison between: ality rates
hospital without taking of home deliveries. This is a a indirect association late 66. The trend in mortalith the incidence of this dise a Epidemic Trend 67. In the mid nineteenth agent is present. This typ a specificity 68. Bhopal gas tragedy is a slow epidemic b. continuergency 69. Residents of three vill carriers because several examination. The proport a Cross sectional study d. Non-concurrent cohort 70. To compare the deatl a Age specific mortality d. Standardized mortality d. Standardized mortality	other factors into an example of: Relative risk prom tuberculo base was reported b. cyclical trend h century, an epide of association of the control of the	C spurious asso- siss in England sho d. This type of tim l. C seasonal tren demiologist sugge gives; quence Le Biolo c point source ep different types of ad occurred in the n each village was e control study pective cohort study ith death rate of b. Crude death le Life expectan n a giver year	ed that hospital mi ociation d. Attrit owed a steady fall it he trend or fluctual d. secul ested that cholera is origical plausibility sidemic d. propagar f water supply were a recent past, virtus computed and con- dy pakistan, the most rates	butable risk in years 1855-1965, but the tion in disease occurrence is ar trend was caused by drinking wa d. consistency ted epidemic e. An accident e asked to participate in a sally everyone was present impared. This study is a: appropriate measure is a comportate measure is a comportate measure is a comportate measure is a comportate measure is a component of the component of	e causal association ereafter a gradual rise in is termed as: *e. pandemic trend ter in which an invisible  e. Gradient  at which did not warrant an at the time of  comparison between: ality rates

72. Stapes Foot-plate Covers a. Sinux Tympani

D Oval Window

c. Pyramid

d. Round Window

A two years old child with severe pallor is he will receive regular blood transfusions throat	oughout his life. Whi	ch one of the follow	ing is a primary r	ophoresis. To treat anemia, isk to this patient? e. Hyperviscosity
Electrolyte imbalance b. Fluid overload     34. A 70 years old male presents with severe countHb is 5gm/dl, platelet count is 600 x 10	/L and TLC 32 x 10°/	shows massive hep L. Peripheral smear	shows left shift w	y. On complete blood with 30% myelocytes, 5%
metamyelocytes, 5% band forms, 47% neutro diagnosis?	ophils, 03% basophils.	.05% eosinophils an	d 05% blasts. Wh	at is the most probable
	lymphocytic leukemia	Acute lympho	blastic leukemia	
d. Chronic myeloid leukemia e. Myelody	vsplastic syndrome	ACCOUNT OF THE PARTY OF THE PAR		
35. A six years old child presents with fever, r and TLC 20 X 10 <sup>8</sup> /L. Bone marrow examinatio Which one of the following is the most likely	in reveals 90% blasts	is complete blood of which are negative	on Myeloperoxic	ase and sudan black stain.
a Acute lymphoblastic leukemia b. Chronic	myeloid leukemia Le	Chronic lymphocyti	c leukemia	
d. Acute myeloid leukemia e Myelofit 36. Antibodies against intrinsic factor can cau	brosis	following nutritions	I deficiency?	
a. Combine folate and vitamin B12 deficiency	b. Folate defic		deficiency	
Vitamin 812 deficiency	e. Combine in	on and folate deficie	ncy	
37. An African American presents with hemo Blood test shows Heinz bodies and bite cells.	Which one of the fol	lowing is most like!	¥?	
a. GSPD deficiency b. Autoimmune hemolytic 38. Which change is seen at the 6th position of	anemiator Drug indu	ced hemolysis d. Sid n patients with sick	ckle cell anemia i le hemoglobin (F	(bs)?
a. Valine for givcine b. Glycine for valine Va	line for glumatic acid	d. Glumatic acid fo	er valine e. Glum	atic acid for glycine
<ol> <li>A 10 years old male child presented with bleeding at the time of circumcision. His mat Platelet count, normal BT, normal PT and pro</li> </ol>	ernal uncle is sufferin	ig from the same co	endition. Lab inve	estigation shows normal
diagnosis? a Hemophilia A b von Willebrand d		Lc Bernard souli		
d. Glanzman's thrombasthenia e. Dissemi	nated intravascular th	rombosis		
40. A mountain climber develops dyspnea at	high altitude and is a	irlifted to the grou	nd hospital. Bloo	d tests show an increased
level of erythropientin and reduced plasma v of the following?				
41. Which of the following cells of the immur		form phagocytosis?		e. Thrombocytosis
a Macrophage b Neutrophil	e. Eosinophil	d. Bas		Lor Helper T Cell
42. A 40-year-old laboratory technician accid erythematous, indurated skin is forming arou A microscopic section from this area, with im	and the site of injecti	on. Two days later,	the induration r	neasures 10 mm in diameter.
the following immunological reactions is mos	it consistent with thi	s appearance?		25% 6
<ol> <li>Systemic anaphylaxis Ur. Arthus reaction c.</li> <li>Which of the following best describes into</li> </ol>	erferons?			
a. Cytokine barriers b. Physical barriers		riers of Phy	siological barrier	s e. Blood brain barrier
44. A patient is treated with penicillin G, but quickly followed by severe respiratory difficu	ity with wheezing ar	nd strider. Which of	the following in	
likely become attached to the penicillin G and a IgA b IgG	c. IgM	d. IgD		write
45. On gross examination, the mass is cystic a		NAME OF TAXABLE PARTY.		THE RESERVE OF THE PARTY OF THE
epithelium, cartilage, and fibrous connective	tissue are present. V			
a. Adenocarcinoma b. Fibroadenoma	Le-Glioma		martoma	e, Teratoma
46. Carcinoma of which organ has been linker bone marrow (hematopoietic stem cells.	b. Breast	c. Kidneys	111116	in Alabama Mindala
47. What does TNM stand for?	Tumor size, leimyor		d. Lungs	e. Urinary Bladder
	Tumor turgor, lymp	h nodes, metastasis	-	pe, lymph node, metastasis
a. Epstein-Barr virus & b. Herpes simplex v 49. The presence of IgM indicates which one	irus c. Hepatitis E	virus Let. An	,	e. Human papillomavirus
a Activation of 6 Cells A recent exposur	e has taken place	c. An allergic r	eaction is presen	it.
d. A reaction between mother and foetus acro	ss placenta	e Activation o	I memory cells	
50. A 52-year-old man with a history of chron examination shows no masses or palpable ly Which of the following is the most likely disa-	mphadenopathy, La	oted a 6-kg weight boratory studies in	loss over the pa clude an elevati	st 5 months. Physical
	A STATE OF THE PARTY OF THE PAR			
d Consequely adaptives to the Manager	ary squamous celi ca rellular carcinoma		Multiple n	
The State of the same and the s		in and swelling of	metacarnonhal	
interphalangeal joints of her hands. Serum R/ Articular cartilage b. Periosteum of bone c	A factor is positive. 1 Hyaline cartilage of	This condition result Synovium P. Lin	its from an auto	olimmune reaction against
	and the area and the same of the	The state of the s	arthrito(	tenic antigen

73. An eleven monti				
Printer and a first of the latest of the lat	as infant presents to con-	VALUE OF THE PARTY		
repeated chest infec	tions, Infant was beauty	with complaints by the m	other that he is unable to sit ate cry. He achieved neck ho r fontanelle and wrist widen	. He is also having history of
Clinically child has st	table vitals but shows	term, NVD with immedi	ate cry. He achieved neck ho	. He is also having history of ding at 5 months of age. ing. On inspection of his chest,
it shows beaded app	searance at sections from	tal bossing, wide anterio	r fontanelle and wrist widen kilograms. What is the most	ong at 5 months of age.
a. Congenital Hypoth	wroidism	Junction. He weighs 10	kilograms. What is the most	hab dispection of his chest,
74. A four years old	b. Thalassen	nia Le Hydroce	phalus d. Rickets	mery diagnosis?
There is also history	nas a / days history of righ	it knee joint pain. Pain is	phalus d. Rickets associated with swelling and ibiotics and pain killers but h	E Osteomalacia
approved. There is a	or high grade fever. He ha	s received some oral ant	associated with swelling and ibiotics and pain killers but h	is condition because
knee joint. Blood in	o history of loose stools, v	omiting or any rash. Clin	iblotics and pain killers but h ically child is looking toxic w shift and raised ESR, what is	th sucline and trades date *
a. Osteomylitis	restigations reveal a high is		ically child is looking toxic w shift and raised ESR. What is	the most likely disease?
75. An eight years of	6. Reactive arthritis	C Septic arthritis	d. Juvenile idiopathic	arthritis e Trauma
to frequent awaken	u has off and on episodes	of lower limbs pain for th	e past one year. Pain comm	arthritis e Trauma only occurs at night and leads
worried despite the	ing of the child from sleep.	Pain occurs in anterior t	highs, shin and calves' areas.	only occurs at night and leads Mother says that she is quite
history of fever rash	fact that she is involved in	sport activities at school	highs, shin and calves' areas.  Pain is usually absent the n	ext morning. There is no
a. Bone tumour		ment as the most	intely diagnosis?	
				rthritis e Trauma
term and was basine	in is brought by her parent	ts to OPD with complaint		
amall face and busin	te and is active. O/E she ha	is a height of 110 cm. He	e is no history of repeated co limbs appear short and tru	nk looks normal. She has a
P. recondroptasia 1	o. Growth harmone deficie	ncy c. Hypothyroidism	d. Malabsorption syndrom	e e. Rickets
Acute	by an excessive single dos	se, or several doses, take	n over a short interval of tin	ie, is;
Maria Maria	D. Unronic	E. Fulminant	of Cody agents	
78. Most Kapid rate	of absorption of a drug is t	through which route of a		
a. Intra-dermal	La Intra-muscular	c. Oral	d. Sublingual	
73. Some persons ma	ly react adversely to a par	ticular drug though the p	general population tolerates	the drug. This phenomenon
AN ACCIDINGS AND			110-00	
u. Dependence	b. Idiosyncracy	c. Intoxication	10: Tolerance	
80. Minimum quantit	y of blood that is required			
a. 50 ml	b. 100 ml	c. 200 ml	400ml	
al. Tetrathyl pyrophe	osphate (T.E.P.P, paraoxo	n & parathion come und	er the which class of poison	
Inorganic metals	La. Inorganic non-meta	als c. Organic Polyphosi	phates d. Halogenat	ed Hydrocarbons
*************	5 5 CL S . S . S			
	wing is a Mechanism for R			
Depletion of ATP	b. Loss of muscle tone	r ince of roflexos	d. Severe ne	
			The section of the	vous stress
- United Street Street	ars first in the muscles of;			vous stress
a. Upper limb	ars first in the muscles of; Lb-Lower limb	c. Neck	d. Trunk	vous stress e. Face.
a. Upper limb 84. Cadaveric spasm is	ars first in the muscles of; Lower limb common in which type o	c. Neck	d. Trunk	
a Upper limb 84. Cadaveric spasm is a. Homicidal and viole	ars first in the muscles of; Lb-Lower limb s common in which type on t. b. Ante-mortem stress	c. Neck	d. Trunk	e. Face.
a. Upper limb 84. Cadaveric spasm is a. Homicidal and viole 85. Mummification oc	ars first in the muscles of; Lower limb common in which type o	c. Neck f death; c. Suicidal & accident	d. Trunk	
a Upper limb 84. Cadaveric spasm is a. Homicidal and viole	ars first in the muscles of; Lb-Lower limb s common in which type on t. b. Ante-mortem stress	c. Neck f death; c. Suicidal & accident	d. Trunk	e. Face.
Upper limb     A. Cadaveric spasm is     Homicidal and viole     Mummification oc     Dry and hot	ars first in the muscles of; tb-Cower limb s common in which type o nt. b. Ante-mortem stress curs when the climate is: b. Dry and col	c. Neck f death; c. Suicidal & accident id sc Moist an	d. Trunk  al Ld Excessive activity  d hot d. N	e. Face. e. Convulsive deaths.
Upper limb     A. Cadaveric spasm is     Homicidal and viole     S. Mummification oc     Dry and hot     S. A ring of opacity o	ars first in the muscles of; tb-Cower limb s common in which type o nt. b. Ante-mortem stress curs when the climate is: b. Dry and col	c. Neck f death; c. Suicidal & accident id sc Moist an	d. Trunk  al Ld Excessive activity  d hot d. N	e. Face. e. Convulsive deaths.
a. Upper limb     84. Cadaveric spasm is     a. Homicidal and viole     85. Mummification oc     a. Dry and hot     66. A ring of opacity or     a. Arcus anelis	ars first in the muscles of; tb_fower limb s common in which type o tb. Ante-mortem stress curs when the climate is: b Dry and col wer in the peripheral part o b. Arcus cetanius	c. Neck  f death; c. Suicidal & accident  id so Moist an  of body of eye at the age	d. Trunk  al La Excessive activity  d hot d. N  e of 40 or above is called;	e. Face. e. Convulsive deaths. foist and cold
a. Upper limb 84. Cadaveric spasm is a. Homicidal and viole 85. Mummification oc a. Dry and hot 86. A ring of opacity of a. Arcus anelis 87. If all epiphyses are	ars first in the muscles of; tb_fower limb s common in which type o tb. Ante-mortem stress curs when the climate is: b Dry and col wer in the peripheral part o b. Arcus cetanius	c. Neck  f death; c. Suicidal & accident  id so Moist an  of body of eye at the age	d. Trunk  al La Excessive activity  d hot d. N  e of 40 or above is called;	e. Face. e. Convulsive deaths.
a Upper limb 84. Cadaveric spasm is a Homicodal and violes 85. Mummification oc a Dry and hot 86. A ring of opacity of a Arcustanelis 87. If all epiphyses are 35 years	ars first in the muscles of; tb_fower limb  s common in which type o  t. b. Ante-mortem stress curs when the climate is: b. Dry and col  ver in the peripheral part o  b. Arcus celanius united then the person is b. 20 years	c. Neck  f death; c. Suicidal & accident  id so Moist an  of body of eye at the age	d. Trunk  al £d Excessive activity  d hot d. N  e of 40 or above is called; chlamos d. A	e. Face. e. Convulsive deaths. foist and cold
a Upper limb 84. Cadaveric spasm is a Homicodal and violes 85. Mummification oc a Dry and hot 86. A ring of opacity of a Arcustanelis 87. If all epiphyses are 35 years	ars first in the muscles of; tb_fower limb  s common in which type o  t. b. Ante-mortem stress curs when the climate is: b. Dry and col  ver in the peripheral part o  b. Arcus celanius united then the person is b. 20 years	c. Neck f death; c. Suicidal & accident id so Moist an of body of eye at the ag ye. Arcus opt most probably at the ag	d. Trunk  al £d Excessive activity  d hot d. N  e of 40 or above is called; chlamos d. A	e. Face. e. Convulsive deaths. foist and cold
a. Upper limb 84. Cadaveric spasm is a. Homicidal and viole 85. Mummification oc a. Dry and hot 86. A ring of opacity of a. Arcus anelis 87. If all epiphyses are	ars first in the muscles of; tb_fower limb  s common in which type o  t. b. Ante-mortem stress curs when the climate is: b. Dry and col  ver in the peripheral part o  b. Arcus celanius united then the person is b. 20 years	c. Neck f death; c. Suicidal & accident id to Moist an of body of eye at the age probably at the age c. 18 years	d. Trunk  al Lat Excessive activity  d hot d. N  e of 40 or above is called; thlamos d. A  pe of; d. 1	e. Face. e. Convulsive deaths. toist and cold rcus senilis 5 years
a Upper limb 84. Cadaveric spasm is a Homicidal and viole 85. Mummification oc a Dry and hot  56. A ring of opacity or a Arcus anelis 87. If all epiphyses are 25 years 88. Permanent teeth a a Upper jaw	ars first in the muscles of; tb-Cower limb s common in which type o nt. b. Ante-mortem stress curs when the climate is: b. Dry and col wer in the peripheral part o b. Arcus cetanius united then the person is b. 20 years ppear first in; the Cower jaw	c. Neck f death; c. Suicidal & accident id so Moist and of body of eye at the age in Arcus opt most probably at the ag c. 18 years c. Simultane	d. Trunk  al Ld Excessive activity  d hot d. N  e of 40 or above is called; chlamos d. A  ge of; d. 1	e. Face. e. Convulsive deaths. foist and cold
a Upper limb 84. Cadaveric spasm is a Homicidal and viole 85. Mummification oc a Dry and hot  56. A ring of opacity or a Arcus anelis 87. If all epiphyses are 25 years 88. Permanent teeth a a Upper jaw	ars first in the muscles of; tb-Cower limb s common in which type o nt. b. Ante-mortem stress curs when the climate is: b. Dry and col wer in the peripheral part o b. Arcus cetanius united then the person is b. 20 years ppear first in; the Cower jaw short stature, webbing of	c. Neck f death; c. Suicidal & accident id so Moist and of body of eye at the age w. Arcus opt most probably at the ag c. 18 years c. Simultan neck and osteoporosis,	d. Trunk  al La Excessive activity  d hot d. N  e of 40 or above is called; thlamos d. A  te of; d. 1  rously in both jaws d. N  are features of;	e. Face. e. Convulsive deaths. foist and cold rcus senilis 5 years tay appear 1st in any jaw
a. Upper limb 84. Cadaveric spasm is a. Homicidal and viole 85. Mummification oc a. Dry and hot  86. A ring of opacity o a. Arcus anelis 87. If all epiphyses are \$2.5 years  88. Permanent teeth a a. Upper Jaw 89. Sexual infantilism, a. Gonadal agenesis	ars first in the muscles of; tb Tower limb s common in which type o t b. Ante-mortem stress curs when the climate is: b. Dry and col wer in the peripheral part o b. Arcus celanius united then the person is b. 20 years ppear first in; Lb Tower jaw short stature, webbing of b. Klinefelter's syndron	c. Neck f death; c. Suicidal & accident d to Moist an of body of eye at the ag p. Arcus opi most probably at the ag c. 18 years c. Simultan neck and osteoporosis, ne. C. Turner sy	d. Trunk  al La Excessive activity  d hot d. M.  e of 40 or above is called;  thlamos d. A.  re of; d. 1  rously in both jaws d. M.  are features of; ndrome d. T.	e. Face. e. Convulsive deaths. toist and cold rcus senilis 5 years
a. Upper limb 84. Cadaveric spasm is a. Homicidal and viole 85. Mummification oc a. Dry and hot  86. A ring of opacity o a. Arcus anelis 87. If all epiphyses are \$2.5 years  88. Permanent teeth a a. Upper Jaw 89. Sexual infantilism, a. Gonadal agenesis	ars first in the muscles of; tb-Cower limb s common in which type o nt. b. Ante-mortem stress curs when the climate is: b. Dry and col wer in the peripheral part o b. Arcus cetanius united then the person is b. 20 years ppear first in; the Cower jaw short stature, webbing of	c. Neck f death; c. Suicidal & accident d to Moist an of body of eye at the ag pc. Arcus opi most probably at the ag c. 18 years c. Simultan neck and osteoporosis, ne	d. Trunk  al La Excessive activity  d hot d. M. e of 40 or above is called; thlamos d. A. e of; d. 1  cously in both jaws d. M. are features of; ndrome d. T.	e. Face. e. Convulsive deaths.  toist and cold  rcus senilis 5 years  tay appear 1st in any jaw  rue hermaphroditism
a Upper limb 84. Cadaveric spasm is a Homicotal and viole 85. Mummification oc a Dry and hot  86. A ring of opacity of a Arcus anelis 87. If all epiphyses are \$2. Years \$8. Permanent teeth a a Upper jaw 89. Sexual infantilism, a Gonadal agenesis 90. Fatty food expeditu a Arsenic	ars first in the muscles of; tb_fower limb  is common in which type o  int. b. Ante-mortem stress curs when the climate is: b. Dry and col  wer in the peripheral part o  b. Arcus cetanius  united then the person is b. 20 years  ippear first in; t.k. Lower jaw  short stature, webbing of b. Klinefelter's syndron  es (speeds up. the process b. Oxalic acid	c. Neck f death; c. Suicidal & accident d to Moist an of body of eye at the ag p. Arcus opi most probably at the ag c. 18 years c. Simultan neck and osteoporosis, ne. C. Turner sy	d. Trunk  al La Excessive activity  d hot d. M. e of 40 or above is called; thlamos d. A. e of; d. 1  cously in both jaws are features of; ndrome d. T	e. Face. e. Convulsive deaths. foist and cold rcus senilis 5 years tay appear 1st in any jaw
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15. When mechanical stress is placed upon bone, osteoprogenitor cells produce WNT proteins that bind to receptors on osteoblasts, increasing β-catenin. As a result, which of the following proteins is most likely to diminish osteoclast activity and a. Bone morphogenetic protein b. Matrix metalloproteinasels. Nuclear factor kappa B d. Osteoprotegerin e. RANK ligand 16. A 70-year-old man complains of right hip and thigh pain of 8 months' duration. On physical examination, he has reduced range of motion in both hips. Radiographs of the pelvis and right leg show sclerotic, thickened cortical bone with a narrowed joint space near the acetabulum and Cotton wool appearance. Laboratory studies show a serum alkaline phosphatase level of 173 U/L, calcium of 9.5 mg/dL, and phosphorus of 3.4 mg/dL. Which of the following conditions is most likely to produce these findings? a. Degenerative osteoarthritis b. Hyperparathyroidism\c-Osteochondroma d. Paget disease of bone e. Vitamin D deficiency 17. An 82-year-old man has had progressively worsening lower back, bilateral hip, and right shoulder pain for the past 6 years. He reports that he has had to buy larger hats. On physical examination, the range of motion is reduced. Radiographs show narrowing of joint spaces with adjacent bony sclerosis. A skull radiograph shows thickening but diminished density of the skull bones. A bone biopsy specimen at the iliac crest shows a loss of normal trabeculae, with a mosaic pattern and increased numbers of osteoclasts and osteoblasts. Which of the following complications is the patient most likely to experience as a result of this a Ankylosing spondylitis b. Enchondromatosiste Fibrous dysplasia d. Osteoid osteoma e. Osteosarcoma 18. A 33-year-old woman has been bothered by a bump on the dorsum of her left wrist for the past 4 months. On physical examination, there is a 1-cm firm but fluctuant subcutaneous nodule over an extensor tendon of the left wrist. The nodule is painful on palpation and movement. Mucoid fluid is aspirated from the nodule. What is the most likely diagnosis? b. Giant cell tumor Le Lipoma d. Nodular fasciitis e. Rheumatoid nodule 19. A 36-year-old woman has noted a nodule beneath the skin in her left groin since adolescence. On physical examination, the lesion has a 2-cm diameter and is non tender, soft, rubbery, and movable. Which of the following cell types is most likely to a. Adipocyte b. Endothelial cell La Fibroblast d. Skeletal muscle e. Smooth muscle 20. A 71-year-old man has experienced aching pain in the right knee, lower back, right distal fifth finger, and neck over the past 10 years. He notices that the joints feel slightly stiff in the morning, but this passes quickly. The pain is worse toward the end of the day. Some joint crepitus is audible on moving the knee, Laboratory studies show normal levels of serum calcium, phosphorus, alkaline phosphatase, and uric acid. What is the most likely cause of hypercalcemia? a. Ankylosing spondylitis b. Gouty arthritis Le: Multiple myeloma d. Osteoarthritis 21. A child stung by a bee experiences respiratory distress within minutes and lapses into unconsciousness. This reaction is probably mediated by: s calsensitized T cells a figE antibody b. IgG antibody d. Complement e. IgM antibody 22. If an individual was genetically unable to make I chains, which immunoglobulinis, would be affected? b. IgM d IgG and IgM e. IgM and IgA 23. The antigen-binding site on antibodies is formed primarily by: a. The constant regions of H and L chains to: The hypervariable regions of H and L chains c. The hypervariable regions of H chains d. The variable regions of H chains e. The variable regions of L chains 24. The class of immunoglobulin present in highest concentration in the blood of a human newborn is: b. IgM C IRA d. lgD WIRG 25. Complement can enhance phagocytosis because of the presence of receptors on macrophages and neutrophils for: c. C6 d C9 Lb: C3b 26. In cell mediated type IV hypersensitivity reaction (delayed type., the epithelioid cells of granuloma are derived from? c. Macrophages d. Epithelial cells e Neutrophils Lb-Tlymphocytes a. B lymphocytes 27. Type III hypersensitivity reaction is mediated by? La Ag-Ab Complex a. Mast cells IgE b. CD4 and TH, cells c. CD4 and TH, cells e. As presenting cells 28. In an experiment, antigen is used to induce an immediate (type I. hypersensitivity response. Cytokines are secreted that are observed to stimulate IgE production by 8 cells, promote mast cell growth, and recruit and activate eosinophils in this response. Which of the following cells is most likely to be the source of these cytokines? a. CD4+ lymphocytes b. Natural killer cells to Macrophages d. Dendritic cells 29. A macrophage ingests a virion and degrades it so that viral capsid peptides can be linked to class I HLA heavy chains and β<sub>2</sub>-microglobulin. This trimer is transported to the macrophage cell surface and displayed. Which of the following cell types has receptors that can interact with the displayed MHC-peptide complex? se Macrophage d. Mast cell b. Langerhans cell 30. Laboratory tests are ordered for two hospitalized patients. During the phlebotomy procedure, the Vacutainer tubes drawn from these patients are mislabeled. One of the patients receives a blood transfusion later that day. Within 1 hour after the transfusion of RBCs begins, the patient becomes tachycardic and hypotensive and passes pink-colored urine. Which of the following statements best describes how this reaction is mediated? a. Release of tumor necrosis factor a into the circulation b. Antibody-dependent cellular cytotoxicity by natural killer cells Antigen-antibody complex deposition in glomeruli d. Complement-mediated lysis of RBCs e. Mast cell degranulation 31. A 16 years old boy presents with severe pallor, high grade fever and bleeding gums. His peripheral smear reveals pancytopenia. Bone marrow aspiration is dry tap. Trephine biopsy shows hypocellularity with lymphocytes and plasma cells predominant. Which one of the following options best explains the above scenario? a, Macrocytic anemia b. Dimorphic anemia c. Microcytic anemia la Hemolytic anemia 32. Along with the complete blood count, which one of the following is a key component to the initial evaluation of suspected

Le Serum trasferrin

hemolytic anemia?

unt b. Serum ferritin

d. Lactate dehydrogenase