Time Allowed: 120 min. BLOCK H (MULTISYSTEM		В
Note: • Attempt all questions. Select the best answer from given choices. Hand • Use BLUE / BLACK ink only. Do not use RED Color. Filling of more than on	Max. Marks: 120	
Use BLUE / BLACK ink only. Do not use RED Color. Filling of more than or	over response sheet along with que	estion paper after attemp
 Possession of mobile phone and other electronic accessories are strictly 	robibited	9
A mutation in a codon leads to the substitution of one amino acid with a Nonsense mutation	another What is the second	- Y
a. Nonsense mutation (b) Missense mutation c. Frame shift muta	ation d. Promoter mutation	
In a family, father is having a disease and mother is normal. The disease	e is only inherited to develop	e. Operator mutation
disease is this?	e is only inflerited to daughters an	d not to sons. What typ
Sex linked dominant b. Sex linked recessive c. Autosomal domin	nant d. Autosomal recessive	SETMINATION OF THE PROPERTY.
3. Which of the following is correct about GGPD deficiency hemolytic ane	mia?	e. Y linked dominant
a. Autosomal recessive disease b. Affects Females more than males	c. Class I of the disease is	mild
d. Inherited X-linked recessive disease	Thherited X-linked rece	
4. Ultraviolet light leads to the development of skin cancer by	Commended A-Mines Tece	asive disease
(a) Directly damaging DNA b. Heating up the skin	c. Inducing vitamin D form	nation
d. Causing water in the skin to vibrate wildly e. Killing immune cells locate	d in the skin	
 Mutations in hedgehog pathway are seen in: 	2.00	
a. Squamous cell carcinoma (b) Basal cell carcinoma c. Dysolasi	tic Nevi d. Melanoma	e. Trichoepithelioma
 A 55-year-old man has worked for 20 years in a factory producing plast 	ic pipe but not following safety sta	ndards. He has noted
and vomiting worsening over the past 5 months. A	n abdominal CT scan reveals a 12 o	m right liver lobe mass
civer biopsy reveals a neoplasm composed of spindle cells forming irres	ular vascular channels. Exposure t	o which of the following
substances most likely led to development of this neoplasm?	ture a Modeles uniques. Tipo apparato in thi fination (1848)	
d. Benzene b. Radon c. Cyclophosphamide d Ashesto	s (e) Vinyl chloride	
 A child is born with a single functional allele of a tumour suppressor get through a point mutation. 	ne. At the age of five the remaining	normal allele is lost
an ough a point mutation. As a result, the ability to inhibit cell cycle pro	gression until the cell is ready to di	vide is lost. Which of th
Parametric reopiasms is most likely to arise via this mechanism?		
1 c / /	noma <u>'c.</u> Ocular retinobl	astoma
real old wollian in excellent health has a routine health maintena	nce examination. A 2 cm firm, roun	ded mass is palpable
beneath the skin of the left forearm. She has no difficulty using the arm	and there is no associated pain wit	th the mass, either in
movement or on palpation. The overlying skin appears normal. The mas following neoplasms is she most likely to have?	is does not change in size over the	next year. Which of the
	nyosarcoma x (d) Lipom	a Laiannana
9. Which of the following is a benign neoplasm?	nyosarcoma x (d) Lipom	a e. Leiomyoma
### ##################################	Mesothelioma (e)Hamai	rtoma
10. Which of the following is tumor suppressor gene?	Gillian.	
	KIT e. BCR	
11. The most common tumor associated with paraneoplastic syndrome is:		
(a) Small cell carcinoma of lung b. Squamous cell carcinoma of lung	c. Breast carcinoma	
d. Renal carcinoma e. Ovarian carcinoma		
12. CEA is a tumor marker of:		
	Thyroid e. Colon	
13. Effect of hyperparathyroidism is carcinoma lung is due to:	A Kasikadia and Adam	
a Parathyroid like protein b. Parathyroid hormone C Parathormone	d. Antibodies against gland	e. Autoantibodies
14. Benign tumour made up of parenchymal cells representative of more the	Teratoma e. Papillo	1.23
a. Sarcoma b. Osteoma c. Carcinoma (d) 15. What is disease is an X-linked disorder that is marked by wasting in the p	proximal muscles and extremities ar	ina nd companyatory
15. What is disease is an X-linked disorder that is marked by washing in the p	on the state of th	id compensatory
hypertrophy of distal sites? b. Limb girdle muscular dystrophy c.	Emery dreifuss muscular dystrophy	
d. WWW. College Colleg	Fascioscapulahumaral museulas du	
d. Duchenne muscular dystrophy d. Duchenne muscular dystrophy (16) Which joint disease is associated with morning stiffness that improves w (17) Which joint disease is associated with morning stiffness that improves w (18) October the control of the control	ith activity?	
(16) Which joint disease is associated the first of Gout	Ankylosing spondylitis	e. Psoriatic arthritis
The Which Joint disease of the Rheumatoid arthritis and the Rheumatoid arthritis arthritis and the Rheumatoid arthritis arthritis and the Rheumatoid arthritis arthriti	newborn.	
(4.7) What type of hypersensitivity received the same of Immune	complexes e. Delaye	d type
a Anaphylactic . b. Atopic C. Cytotoxic 7d. Infilate	n is probably	
a. Anaphylactic . b. Atopic C. Cytotoxic vol. Infilate a. Anaphylactic . b. Atopic C. Cytotoxic vol. Infilate a. A child is stung by bee and experiencing respiratory distress. The reaction b. IgA mediated c. IgM mediated	d. IgG mediated	e. Sensitized T cell
18. A child is stung by dec bild. b. IgA mediated c. IgM mediated g IgE mediated b. IgA mediated with c. IgM mediated c. IgM mediated		
10 Systemic Lupus Elychemic Elychemic Lupus Elychemic Elychemic Lupus Elychemic Elyche	choline receptor (@\Antibo	dy to DNA
t Athedusto INI T V		
a. Antibody to	W. Se	
e. Antibody to streptococci 20. Rheumatoid arthritis is associated with Antibody to IgG c. Antibody to acetyle	choline receptor d. Antibo	dy to DNA
20. Rheumatoid arthritis is associated to IgG c. Antibody to accept		
Antibody to streptococci		
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	PA	PER CODE B			
21. Patient underwent gastrectomy, after	three months she pr	esented with:			
21. Parish the west garter than are	rnicious anemia	c. Hemolytic ane	mia d. Folic	ocid deficiency	
		C. Helling III.			nistan l
e. Anemia of chronic disease.		CALL STREET	ALI	is Hypachonni	typ, and
x 22. The pathogenesis of hypochromic and	mia in lead poisoning	g is due to:			
(a) Inhibition of enzymes involved in heme	blosynthesis	* b. Binding of lead	d to transferrin, inhi	biting transport of iron.	Aunt
a Binding of cell-to-cell membrane of ery	throid precursor				
d, binding of lead to ferritin inhibiting the		mosiderin	e. Both a and b		Ant
23. In megaloblastic anemia, peripheral					
	mented neutrophils	c. Microcytes	d. Blast cells	e. Smudge cells	
24. Automorune hemolytic anemia is a		C.MILIOLYSSA	M. Million Colle	A. C.	
a Type I hypersemitivity reaction		and the second second	and the same of	The second secon	
		sensitivity reaction		I hypersensitivity react	on
d. Type IV hypersensitivity reaction	e. Type V hyper	rsensitivity reaction			
25. Which hemoglobinopathies preser a. Sickle cell trait b. Anlastic					
	anemia C25ic1	kle cell disease	d. Thalassemia	e. Hb C	
Headache and visual problems are Aplastic anemia - b. Hemoly	common symptoms of	d:			
	ilc anemia c. Ag	ranulocytosis	d. Lymphopenia	(e)Polycythem	la
27. Splenectomy will help in treating	which type of anemia?				
e. Sideroblastic anemia	a. Anemia of chronic dis	sease c. G6P	D deficiency	d. Iron deficiency anem	in.
28. DIC occurs in:					
a All b Pay					
29. Bence jones proteins are produc	E CML (d) A	cute promyelocytic	e. Burkitt	lymphoma	
Multiple myeloma b. Leuker		-			
30. A 30-year-old woman is a known	nia c. pe	ernicious anemia	d. Hemolytic anem	ia e. Hodgkin lym	chemis.
30. A 30-year-old woman is a known microcytic anemia. Her iron stud	case of Rheumatold ar	Thritis. She is or NSA	D for a long time. No	wishe has been found to	homa
			THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	VINE IS the most likely ear	nave
31. Which ONE of the following is us a. Bone marrow lilopsy (D.Serum	and to manitar transfer	c. Thalassemia	d. Sideroblastic and	mia e. Hemolytic an	me or anemi.
a. Bone marrow Blopsy (B)Serum	ferritin	ion iron overload?			erma
and a second sec	And the Contract of the Contra	lagnetic Resonance Ir	naging d. Cardiac	function e. Lung fun	etion
a. B lymphocytes d. CD11 noutles	he virus attacks and we	akens the law life-thr	eatening condition car	used by the human	1516911
d. CD11-position 7.1	(CD4-positi	ve T lymphocytes	A STATE OF THE PARTY OF THE PAR		
d. CD11-positive T lymphocytes 33. The most common all the common and the common	e. Lymphocyt	te stem cells	c. CD8-pa	sitive T lymphocytes	
 The most common cells of the in monocytes/ macrophages. Certs specifically to microbes and (2) to 	nmune system can be r	ategorized as lympho	and a fee at		
specifically to microbes and (2)	in components of our	immune system are ci	haracterized by	ind NK cells), neutrophils,	and
following has BOTH specificians	o exhibit memory of he	aving responded to a	particular microbe	tributes: being able (1) to	respond
B cells b. Dendritic cells	na memory?		the one pre	viously. Which one of the	
34. A fill was said	~ talectobust	005			
he had huge splenomegaly. His b 55% rieutrophils, 30% Myelocyte examination shows hypercellular	lood CBC shows Hama	pallor, and left upper	abdominal discomfort	for 6 months o	
55% neutrophils, 30% Myelocyte examination shows hypercellular a. Acute Lymphoblastic Leukemia	s, 10% Metamyelocyte	2% harmabile and	atelet count of 550000	Jul WBC count of trans	ation,
a. Acute Lymphoblastic Leukemia	marrow with mature	neutrophils and must	osinophils and occasio	nal blast cells. Bong and	with
Chronic Lucation	STATE OF THE PARTY OF THE PARTY OF	PORCE LEGISCOPPILIS		199.521	
A 1-year-old child on routine med 54.9 ft. (low), MCH :20.6 pg (low), electrophoresis and his HPLC show	Chronic My	reloid Leukemia	c. Acute Promyelocy	tic Leukemia	
64 9 () (low) MCH 20 5	ical checkup showed I	ow hemoglobin HB:1	10/dl with non-		
64.9 ft. (low), MCH :20.6 pg (low), electrophoresis and his HPLC shot a. Alpha Thalassemiax	RBC count: 6.2 millon	/µL (high) and RDW:	13.4% (normal) Ha ha	and platelet counts. His N	CV was
		+ + e 79, and HD A: 94.1	6%.	advised hemoglobin	The state of
e Siekla Call Aganosia	arassemia Intermedia	(c) Beta Thalasse	mia Major		
36. Mast cells play an important role i immune responses. What is the role at Become phagocytic and Belease	a sha law			Beta Thalassemia Minor	
immune responses. What is the r	ole of most called	s response to certain	bacteria and parasites	and help	
Immune responses. What is the real a. Become phagocytic b. Release	igD antibodies	g a Type I hypersensit	tivity reaction?	and ricipicontrol other ty	pes of
· (e) Degranulate and immediately release	e histamine	c. Release interf	eron d	Release IgA antibodies	
= 37. Which of the following laboratory	findings is tunient to a			Bu suppodiez	
× a. Elevated plasminogen	indings is typical in a	patient with QIC?		-	
- d. Normal clotting times (PT, APTT and	TT) han Th	evated protein S and	c &	Decreased fibringen	
38 The prothrombin time (PT) and (N6	(international norms	rombocytosis		The state of the s	
38. The prothrombin time (PT) and INF a. Platelet function (b) Extrinsic pathw	av e Intrinsic nati	buzed ratio) measure	the integrity of:		
20 A 3 year old how who exhibits evol	and blanding afters	away d. Both extri	nsic and intrinsic path	vay e. Fibrino	lucia
39. A 3-year-old boy who exhibits prole	ingen bieeding after i	ninor trauma and a p	prolonged aPTT, but a r	formal platelet count is 18k	ely to
					2000
a. Liver dysfunction b. Disseminated in	of the booms a second	on G Hemophilia	d. Thrombocytopeni	a e Thromboasthenia	
40. Osteomyelitis is a paintui infection o	of the bones, a rare of	or serious condition i	caused by a number of	microorganisms. Acute	
osteomyelitis is most commonly cau		- 0	domono		
	Veisseria meningitidis	oniae	domonas aeruginosa		
d)Staphylococcus aureus e. 5	treptococcus pneum	or me			

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d. Lead

c. Hydrogen Sulphide

(a) ATP

56. Cherry-red discoloration is seen in poisoning due to

(b) Carbon monoxide 3 57. Which of the following is NOT a side effect of Digoxinitoxicity?

a. Bradycardia b. Yellow vision changes c. Scooping of the T segment on ECG

e. Phosphorus

d. Hypokalemia e. None of above

	PAPER CODE B	
to the responding joint. His blood tests show normal	CRP and full blood count .X	ontoms further?
pexA scan • b) MRI sacroillac joint with STIR sequence	EXTREM (CH IN ASSESS IN SAL	The state of the s
X-ray thoracolumbar spine	and the state of the later of t	late for Her Past Medical history includes
4. Mrs Kamal 65 year old presents to outpatient clinic will fracture left distal radius 3 years ago. She also takes ste tenderness at the lumbar spine. Her X-ray shows verte		
what is the most likely cause of her symptoms? a. Ankylosing Spondylitis b. Rheumatoid Arthrit 85) You are conducting research to examine the relationsh	ip between variables with the	tis d. Osteomalacia @ Osteoporosis e primary goal being to analyze and represent
that relationship mathematically through statistical an	alysis. You are conducting	The second secon
a Diagnostic research b. Experimental research c. I	Fundamental research d. Q	ualitative research E. Quantitative versitate
You are conducting a research to study the socio-psyc the impact through a "grounded theory" which means	and and	ong on women in Pakistan. 100 want to a service of
La. As a social researcher, it is important to keep your feet of		Annual Control of the
 b. Theoretical ideas and concepts should emerge from the d. Theories should be tested by rigorous scientific experim 	ents e. Theories should be to	ould be grounded in political values & biases ested through quantitative methods
87. A researcher lives for a time in a religious community	in order to learn whether there	e is a unique social psychological phenomena
worthy of further study. What is the goal of this study a. Descriptive b. Diagnostic c. Explanatory		a Dendiction
Bescriptive b. Diagnostic c. Explanatory What is the most likely purpose of an online, survey-b	@ Exploratory	e. Predictive
registered psychologists"	asea study emitted. A numan	resources survey or the working combination
Descriptive Diagnostic	Explanatory d. Ex	ploratory e. Predictive
89. You are conducting a survey to study medical student hypothesis that attendance will be positively	s' attitudes towards attending	classes and their extisfection in ander to test the
a December of the state of the	ed with satisfaction. What is the	e purpose of this study?
When one person understands another person's experimental by Sympathy c. Professionalism	riences by imagining oneself in	another person's situation, it is called?
91. A 58-years old male patient has been diagnosed with	*d. Humanism	e. Confidence
are expected on visual field testing in this patient?	recting the O	ptic Chiasma. What type of visual field defects
d Pl. tamonymous Hemianopia b. Left Hom	onymous Hemianopia	c. Bi-nasal Hemianopia
Fallopian canal in the middle ear is the:	mplete Hemianopia	C ornese remenople
a. Aditus b. Eustachian tube c. External auditory r	neatus d. Facial nerve	canal a leternal a ser
93. Immuno-biological substance which produces specific a. Immunity * b. Vaccine c. Immune globulin	protection against a disease is	called
94. A system which is used to help the storage and transpa. Cold box b. Fridge	cortation of vaccine at low terms	e. Serum
Did box b. Fridge c. Ice pack True about viral hepatitis B is	• (d) Cold chain	r e. Refrigerator
a. Transmits by oral route by Transmit by family		7 10 10 10 10 10 10 10 10 10 10 10 10 10
© Transmit by reuse of infected syringe 96. How can osteoporosis be prevented? →	c. Transmit by fecal rout	te d. No vaccine available
a. Eat low fat diet b. Eat low calcium dier	Get calcium and Vit D	
e. Eat high Carbohydrates	Carrent and AILD	In diet d. Eat low protein diet
A 2 years old child was brought to the emergency dep kyphoscoliosis was discovered X-ray showed swollen Osteomalaria Osteomalaria	partment. He was having convul	
kyphoscoliosis was discovered X-ray showed swollen a Osteomalacia b. Keratomalacia xc.	lower end of radius. What is the Rickets x d. Pellagra	e likely diagnosis?
98. Self-administration of drug for non-medical reasons in function effectively and which may result in social, ph	quantities and frequencies wh	olch may impale an interior
function effectively and which may result in social, ph a. Drug dependence b. Drug tolerance	ysical and emotional harm is be	est named as
a. Drug dependence b. Drug tolerance (c)	Drug abuse of east as	The state of the s
99. The most important factor which makes the smoking a. The desire of smoker to quit b. Availability of repl	cessation program successful is	or orug therapy
F. B. P. Levy Street and a street of the Street Str	A CONTRACTOR OF THE PARTY OF TH	well planned program
1.00. Japan has low incidence of prostate cancer as comparent change with their migration to the U.S. It support	red to the incidence in US. The i	incidence of carcinoma provent
at the prototype drug in the muscaring anti-	cholinarele deues to sh	etabolic effect e. Catabolic effect
. Hallucinations (b) Bronchospasm c.	a smoking cessation program	inary retention e. Blurred vision
O2. In addition to counseling and psychotherapy, a man is and withdrawal effects. The receptor activation of this and withdrawal effects.	s drug results in:-	receives Varenicline, a drug that reduces craving
Sodium influx b. Potassium efflux c.	t of glaucoma helps by description	creased cyclic GMP e. IP3 formation
03. Which of the following drugs used in the management b. Dipivefrin c.	to Burnessing nerby of partifill	ocarpine
Carbachol b. Dipiyetrin	14, 171	

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a. Carbachol

* e. Timolol

PAPER CODE B
e. Pindolo!
a. Acebutolol b. Carteolol c. Metoprolol 105. Which of the following strengths of Epinephrine (Adrenaline) solutions are used in the management of anaphylaxis? a. 1: 100 b. 1: 1000 c. 1: 10,000 d. 1: 80,000
5. Carteoloi 200,000
*a. 1: 100 (b.1: 1000 c.1: 10,000 d.1: 80,000 d.1: 80,000
106 A E2
*a 1:100
Adalimumab
(a) Adalimumab b. Anakinra c. Denosumab d. Etanercept 107. In a teaching institute, physician discussing about autonomic pharmacology to house officer, asked when given to man, a drug causes bredycardia increase control and a still a small and construction, which of following drug produces these effects?
107. In a teaching institute, physician discussing about autonomic pharmacology to house officer, asked whether the selfects? Causes bradycardia, increase gastrointestinal motility, pupillary constriction, which of following drug produces these effects? Cyclopentolate A Physician discussing about autonomic pharmacology to house officer, asked whether these effects? Causes bradycardia, increase gastrointestinal motility, pupillary constriction, which of following drug produces these effects? Cyclopentolate A Physician discussing about autonomic pharmacology to house officer, asked whether these effects?
a. Cyclopentolate b. Phenylenhrine Pillocarpine d. Prazosin
108. Which of the following is a selective alpha-1A receptor blocker that affords symptomatic relief in benign prostatic hypertrophy without producing significant following is a selective alpha-1A receptor blocker that affords symptomatic relief in benign prostatic hypertrophy
109. Ritodrine is a heta 2 associated
110. A sea merchant is advised a development of the
a. Chemical antagonist at muscarinic receptors b. Irreversible antagonist at muscarinic receptors
the pupil without paralysis of accommodation is best accommodation in best accommodation in the pupil without paralysis of accommodation is best accommodation.
112. A person with history (Phenylephrine d. Pilocarpine e. Tropicamide
The A person with history of cheese district
related with opiods. The physician now decides to prescribe diphenoxylate in combination with smaller doses of another drug that causes a host of unpleasant systemic responses if such combination is least at the combination with smaller doses of another drug that causes
a. Apomorphine b. Atropine c. Ipecac d. Magnesium sulfate e. Naitrexone
113. A 42-year-old man with an acute MI is treated with Alteplase. Which of the following most accurately describes how this drug exerts
a Blocks placeted and
a. Blocks platelet ADP receptors c. Inhibits synthesis of vitamin K-dependent coagulation factors d. Prevents platelet thromboxane production d. Prevents platelet aggregation by blocking GP IIb/IIIa receptors 114. A 36-year old many
b. Inhibits synthesis of vitamin K-dependent coagulation factors b. Inhibits platelet thromboxane production d. Prevents platelet aggregation by blocking GP IIbAlia receptors
Promotes conversion of plasminogen to plasmin 114. A 36-year-old man exercisin of plasmin
114. A 36-year-old man presents with tingling and neuropathic pain in his feet. Blood test reveals macrocytic anemia. Which of the a. Erythropoletin
4. Crythropoletin h Cilerattic
115. A patient with a history of carringma cases d. Iron dextran (e. Vitamin B12
back is evaluated by oncologist and found to be fully cured of cancer. He however complains of severe pallor and weakness in spite
or good dietary intake and nutritional supplements to severe partor and weakness in spite
therapeutic interventions is most likely to improve his hematological parameters? a. Oral iron b. Parameters!
d. Ordi iron b Parentscal Iron
116. If a patient began oral therapy with alandenate the state of the
remain in an upright position for at least 30 minutes and until eating the first meal of the day. These instructions would be given to
decrease the risk of which of the following?
a. Cholelithiasis b. Diarrhea c. Constipation derosive esophagitis e. Pernicipus anamio
V TO THE PROPERTY OF THE PROPE
therapeutic considerations. The chief advantage of ketorolac over aspirin is that the Ketorolac:
or contact controlled more safety with an opioid such as codeine
The parameter of the later of t
d. Is less likely to cause acute renal failure in patients with preexisting renal impairment e. Is more cheaner
118. A patient with asymptomatic hyperuricemia is started on probenecid. In a couple of days he develops acute gout. Which of the
following is the best explanation of how probenecid triggered this acute gouty arthritic episode although it itself is a treatment of
a. Accelerated synthesis of uric acid by the probenecid b. Co precipitation of probenecied and urate in the joints c. Idiosyncratic response d. Probenecid-induced systemic acidosis, favoring uric acidosis, favoring uric acidosis.
c. Idiosyncratic response d. Probenecid-induced systemic acidosis, favoring uric acid crystallization —e. Reduced renal excretion of uric acid
119 NSAIDs have multiple indications other than that for rheumatologic disorders. One work down to
119. NSAIDs have multiple indications other than that for rheumatologic disorders. One such drug is the treatment of choice for the treatment of a patent (open) Ductus Arteriosus. Which of the following drugs would be administered in an attempt to close the
ductus medically?
CONTROL OF THE CONTRO
a. Cimetidine b. Diphenhydramine (c)Indomethacin d. Misoprostol e. Prostaglandin E1 (PGE1; alprostadil) 120. A 50-year-old woman with rheumatoid arthritis was recently diagnosed with refractory disease, and infliximab was added to her
ongoing treatment. Which of the following endogenous compounds was most likely the molecular target of the drug?
a. Epidermal growth factor b. Interleukin -1 c. Interleukin -10 @Tumor necrosis factor-a e. Vascular endothelial growth factor
a. Epidermar growth factor
Am
AB > Abr proBowerd ~ Labsonpe
AS 7 MAR MARRIAGO DIL
B Dansonpi
Page 6 016 proBowerd of Labsonpe
X