GPAT 2019

1.	As per the Medical Tern	nination of Pregnancy A	act and rules, the safe custo	dy of "Forms" is with :	
	(a) Standing committee		(b) Registered Medical Pr	ractitioner	
	(c) Owner of the approv	ed place	(d) Chief Medical Officer		
2.	For protein detection m	ost commonly used pro	be is :		
	(a) Interferon (b) Antibody	(c) Lectin	(d) Antigen	
3.	Consumer who are loya	l to two-three brands a	re considered as :		
	(a) Split loyals (b) Switcher loyals	(c) Semi-core loyaLs	(d) Shifting loyals	
4.	Choose the CORRECT st	atement with respect to	"The Pharmacy Act, 1948	:	
	(a) Education regulation	n 1991 dose not prescri	be the minimum qualificati	on for the registration as	
	Pharmacist				
	(b) Section 12 of the ac	t deals with the approv	al of course of study under	chapter 2 there of.	
	(c) Section 12 of the ac	t deals with the approva	al of course of study and ex	amination under chapter	
	2 there of.				
	(d) State Govt is author	rised to make any rules	with respect to course of s	tudy.	
5.	ELISA is based upon				
	(a) Antigen Protein Inte	raction	(b) Antibody - protein Interaction		
	(c) Antigen Antibody In	teraction	(d) Lectin - Antibody Inte	eraction	
6.	The relation between en	nissive power of the su	rface and its absorptlvity is	given by	
	(a) Stefan - Boltzmann L	aw	(b) Darcy's Law		
	(c) Fourier's Law		(d) Kirchhoff's Law		
7.	In India the patent offic	e has its head office at l	Kolkata and branch offices	at:	
	(a) Dibrugarh, Indore and Vapi		(b) Kashmir, Ahmedabad	and Trivandrum	
	(c) Chandigarh, Hyderal	oad and Goa	(d) Mumbai, Chennai and	New Delhi	
8.	Penalty for the cultivatio	n of any cannabis plant	to produce, sell purchase tr	ansport in contravention	
	of Narcotic Drugs and P	sychotropic substances	Act and Rules on first conv	viction is	
	(a) Rigorous imprisonr	nent up to 10 years or	fine up to Rs. 10 Lakhs		
	(b) Rigorous imprisonr	nent up to 10 years or	fine up to Rs. 1 Lakh		
	(c) Rigorous imprisonr	nent up to 6 months			
	(d) Fine up to Rs. 10 La	akh			
9.	In Direct Contact or let	condensers harometri	c leg serves one of the follo	wing functions :	
-	(a) To remove the con			wing functions .	
	. ,	essure difference acros			
	• •	feed to ifs boiling point	o the tabe		
	(d) To transfer the feed		chamber		
10.	Which of the following				
201	(a) Ranitidine	(b) Zantac	(c) Isoniazid	(d) Paracetamol	
11.	Hardinge mill is a varia		(-) 10011110114	(-)	
	(a) Fluid energy mill	(b) Ball mill	(c) Hammer mill	(d) Rotary cutter mill	
	()	(-)	(-)	()	

PHARMACEUTICAL CHEMISTY

12.	Retention hyperbiliruber	namia is caused due to	0	
	(a) Choleric jaundice		(b) Non clearance of b	ilirubin
	(c) Reflux of bilirubin int	to blood stream	(d) Over production of	f bilirubin
13.	What will be the Heat of	vaporisation of 1 mo	le of water, when it has t	he entropy change (ΔS) of
	35.2 cal/mole.deg (at 25°	C) ?		
	(a) 1.408 cal/ mole		(b) 10489 cal/ mole	
	(c) 8465 cal/ mole		(d) 880 cal/mole	
14.	Identify the name of drug	g with the following st	ructure :	
	ONH-CH	H ₃		
	OH			
	(a) Esmolol	(b) Betaxolol	(c) Metoprolol	(d) Bisaprolol
15.	The following ACE inhibit	or used in treating car	diovascular disorder is sy	nthesized from the natural
	amino acids L-alanine an	_		
	(a) Ramipril	(b) Enalapril	(c) Insmopril	(d) Captopril
16.	The infra-red absorption	peaks of Nujol is due	to vibrations involving	, ,
	(a) S - hstr and S - hdef		(b) S - hstr and O - hde	ef
	(c) C - hstr and C - hdef		(d) N - hstr and N - hd	
17 .	Permitted tolerance limit	for a 100mL class B ve	olumetric flask and 1000	mL class B volumetric flask
	according to BS 1792 spe	ecifications respective	ely are mL	
	(a) 0.15 and 0.80	(b) 0.80 and 0.30	(c) 1.00 and 10.00	(d) 0.15 and 1.5
18.	Predict λ_{max} for π - π^* abs	orption band in the U	V spectrum of following	compound :
	Q.			
	(a) 237 nm	(b) 215 nm	(c) 241 nm	(d) 240 nm
19.	One of the following is a r	most commonly used	protecting group for ami	nes:
	(a) Para Methyl benzyl (P	MB)	(b) t-Butyloxy carbonyl	(t-BOC)
	(c) Methoxy methylene (N	IOM)	(d) Tetra hydro pyrany	l oxy (THP)
20.	Choose the correct seque	nce of process during	g Atomization in atomic a	absorption spectroscopy
	(a) Desolvation \rightarrow Nebul	ization → Dissociatio	$n \rightarrow Volatilization \rightarrow Io$	nization
	(b) Nebulization \rightarrow Deso	lvation → Volatilizati	on \rightarrow Dissociation \rightarrow Io	nization
	(c) Desolvation \rightarrow Nebul	ization $ ightarrow$ Volatilizati	on \rightarrow Dissociation \rightarrow Io	nization
	(d) Nebulization Volatiliz	ation → Desolvation	\rightarrow Dissociation \rightarrow Ioniz	zation
21.	Which among the following	ng carrier gases has tl	he highest thermal condu	ictivity ?
	(a) Nitrogen		(b) Oxygen	
	(c) Helium		(d) Compressed Air	
22.	Phase solubility Analysis	curve is not a good to	ol for:	
	(a) Complex formation		(b) Bioavailability deter	mination
	(c) Polymorph detection		(d) Impurity detection	

$$\begin{array}{c|c}
 & NH_2 - NH_2 \\
\hline
 & -H_2O \\
\hline
 & -N_2
\end{array}$$

Identify the named reaction;

	-			
(-)	C	D		

(a) Curtius Rearrangement

(b) Clemmensen reduction

(c) Wolf-Kishner reduction

- (d) Wolf-Rearrangement
- 24. Which of the following inactive clotting factor is activated by the vitamin-K as a co-enzyme?
 - (a) I, II, III, IV

(b) II, V, IX, X

(c) II, V, VI, VIII

- (d) II, VII, IX, X
- 25. Identify the molecule which will not exhibit Dipole moment?
 - (a) Carbon dioxide
- (b) Carbon monoxide
- (c) Chloroform
- (d) Ammonia
- 26. The following combination of drugs are used in treating severe travelers diarrhoea:
 - (a) Pyrimethamine and sulfadiazine
- (b) Trimethoprim and sulfadiazine
- (c) Pyrimethamine and sulfamethoxazole
- (d) Trimethoprim and sulfamethoxazole
- 27. Reaction of an α-halo ester with an aldehyde or ketone in the presence of a base like NaNH, gives
 - α, β-epoxy carboxylic ester. This reaction is referred as : http://www.xamstudy.com
 - (a) Willgerodt rearrangement

(b) Bamford steven reaction

(c) Darzen's glycidic synthesis

- (d) Bayer villiger rearrangement
- 28. Amylopectin, a component of starch gives colour with iodine

- (a) No colour
- (b) Green
- (c) Blue

(d) Red-purple

- 29. Anti addition of bromine to trans-2-butene yields:
 - (a) Enantiomer and racemic mixture
- (b) Only racemic mixture

(c) Only enantiomers

- (d) Only meso compounds
- **30.** Conversion of aryldiamnium chloride to arylchloride can be achieved in the presence of :
 - (a) Copper (II) chloride

(b) Copper (I) chloride

(c) Sodium chloride

- (d) Calcium chloride
- 31. Von Gierke's glycogen storage disease is due to defect of which enzyme:
 - (a) Phosphofructokinase

(b) Glucosyl 4 - 6 transferase

(c) Glycogen phosphorylase

- (d) Glucose 6 phosphatase
- 32. The chief product obtained by the reaction of neo-pentyl bromide under E_1 reaction conditions;
 - (a) neo pentyl alcohol

(b) 2-methyl-2-butene

(c) 2-methyl-1, 3-butadiene

- (d) 2-methyl butene
- 33. RNA molecules having intrinsic catalytic activity are called as
 - (a) mRNAs
- (b) Ribozymes
- (c) sn RNAs
- (d) rRNAs
- 34. This semi synthetic derivative of penicillin is synthesized by acylation of 6-APA with p-hydroxy phenyl glycine:
 - (a) Becampicillin
- (b) Amoxicillin
- (c) Ampicillin
- (d) Carbenicillin

35. Choose the correct product of the following reaction:

$$HNO_3 + 2H_2SO_4 \Longrightarrow ?$$

(a)
$$H_3O + 2HSO_4 + NO_2$$

(b)
$$H_2O + 2HSO_4 + NO_2$$

$$\bigoplus_{\text{(c)}} \bigoplus_{\text{H}_3\text{O}} \bigoplus_{\text{2HSO}_4 + \text{NO}_2} \bigoplus_{\text{2HSO}_4 + \text{NO}_4} \bigoplus_{\text{2HSO}_4 + \text{2HSO}_4} \bigoplus_{\text{2HSO}_4} \bigoplus_{\text{2HSO}_4 + \text{2HSO}_4} \bigoplus_{\text{2HSO}_4} \bigoplus_{\text{2HSO}_4 + \text{2HSO}_4} \bigoplus_{\text{2HSO}_4} \bigoplus_{\text{2HSO}_4} \bigoplus_{\text{$$

36.	Oxazole is prepared by the condensation of α -a	mino carbonyl compound with
	(a) Amino acid	(b) Isocyanide
	(c) Aminoether	(d) Iminoester
37.	Select the correct order of ortho/para directing below: (Strongest first, Weakest last)	ability Of the functional groups from those given
	(a) – NHCOR > – OH > – C_6H_5 > I	(b) - NHCOR > - NH_2 > - C_6H_5 > I
	(c) - NHCOR > - NR ₂ > - C_6H_5 > I	(d) – NHR > – NHCOR > – C_6H_5 > I
	(c) 111100K = 1112 = 06115 = 1	(a) Miks Middle 6,115 1
38.	Blockade in β -oxidation results in :	
	(a) Von Gierk's disease	(b) Scurvy
	(c) Sudden infant death syndrome	(d) Taruli' s disease
39.	The basic ring system present in the antihypert	tensive and antiglaucoma drug Timolol" is:
	(a) 1, 3, 5 - Thiadiazole and Morpholine	(b) 1, 3 - Thiazole and Morpholine
	(c) 1, 2, 5 - Thiadiazole and Morpholine	(d) 1, 2, 4 - Thiadiazole and Morpholine
40.	Dehydration of this dicarboxylic acid to obtain	corresponding anhydride is difficult due to stereo
	chemical arrangement:	
	(a) Malic acid (b) Fumaric acid	(c) Glutaric acid (d) Succinic acid
41.	Which of the following pair of drugs is con side	red as selective α, -Blockers?
	(a) Timolol and Metoprolol	(b) Prazosin and Terazosin
	(c) Formoterol and Levalbuterol	(d) Yohimbine and Carynanthine
42.	Calculate the accurate osmotic pressure at 00 Cof	a blood serum sample using Lewis equation having
	freezing point – 053° C	
	(a) 0.636 atm (b) 6.39 atm	(c) 574.28 atm (d) 0.0441 atm
43.	PM indicators are used in:	
	(a) Redox titrations	(b) Non-Aquous titrations
	(c) Acid-base titrations	(d) Complexometric titrations
44.	Kinetically $\frac{x}{a(a-x)}$ kt is the expression for:	
	(a) First order reaction	(b) Second order reaction
	(c) Pseudo first order reaction	(d) Fractional order reaction
45.	$Conversion \ Of \ a \ carbonyl \ functionality \ directly$	to its hydrocarbon in basic media can be achieved
	by	
	(a) Lithium aluminium hydride reduction	
	(c) Sodium borohydride reduction	(d) Wolf Kishner reduction
46.	-	selective blockers contains 1, 3, 5 - thiadiazole ring
	in its structure ?	
	(a) Sotalol (b) Timolol	(c) Penbutolol (d) Pindolol
47.	-	ntibiotics (Doxorubicin, Daunorubicin, Idarubicin
	and Epirubicin) are	
	(a) Naphthalene nucleus connected with amino	
		ring that is subsequently connected with amino
	sugar via glycosidic linkage	igan via glygogidia linkoga
	(c) Quinoline nucleus connected with amino su	e ring that is subsequently connected with amino
	sugar Via glycosidic linkage	c ring that is subsequently connected with anniho

48.	When 50ml of sodium hydroxide (0.1 M) is added	d to 100 mL of 0.1 M acetic a	acid, pH of the resultant
	solution is		
	Ka of acetic acid = 1.82×10^{-5}		
	(a) 8.58 (b) 7.42	(c) 4.74	(d) 7.06
49.	Gabriel ring closure method is employed for the	e synthesis of :	
	(a) 1 4-oxazine (b) Aziridine	(c) Oxirane	(d) Oxaziridine
	PHARMAC	CEUTICS	
50.	"Shake well" label must be placed on the contain		
	(a) Opthalmic suspension	(b) Occuserts	
-4	(c) Opthalmic solution	(d) Opthalmic gels	6 5 4 1 1
51.	In case of Aerosol testing, valve delivering acce		
E 2	(a) ± 75% (b) ± 5%	(c) ± 10%	(d) ± 15%
34.	Containers may be ren dered free from pyroger (a) Autoclaving at 121 °C for 15 minutes		•
	(c) Autoclaving at 121 °C for 1 hour	(d) Heating at 100 °C for	
53	GMP regulation are pertaining to minimum req	.,	
55.	(a) Manufacturing, packaging and holding of hu		•
	(b) Manufacture of human drugs and veterinar		u ugo
	(c) Manufacture and packaging of human drug		
	(d) Manufacture and holding of human drugs a	, ,	
54.	Which one of the following viscometers can be		n-Newtonian system?
	(a) Falling sphere viscometer	(b) Cup and Bob viscome	ter
	(c) Capillary viscometer	(d) Hoeppler viscometer	
55.	For drug substances with highly variable p	harmacokinetic characte	eristics the following
	Bioequivalence study design is used		
	(a) Parallel Design	(b) Non-Replicate Design	
	(c) Non-Parallel Design	(d) Replicate Design	
56.	Roll-tube technique is the modification of :		
	(a) Pour plate technique	(b) The streak - plate tech	•
	(c) Micromanipulator technique	(d) Spread plate techniqu	
57.	Which mechanism of metabolism of drug is not		
	(a) Conjugative metabolism	(b) Acetylation metabolism	n
	(c) Hydrolytic metabolism	(d) Oxidative metabolism	
58.	21 CFR part 211 of USFDA describes :		
	(a) Current good clinical practice	(b) Current good packaging	٠.
F0	(c) Current good manufacturing practice	(d) Current good laborate	
59.	In treating immunodeficiency disease the goal is	_	
60	(a) 100 mg/dL (b) 400 mg/dL Which one of the following is the preparty of m	(c) 200 mg/ dL	(d) 300 mg/ dL
00.	Which one of the following is the property of m (a) They have particle size more than 1 micron	ncro-emubion :	
	(b) They have poor stability		
	(c) They exhibit a viscoelastic gel phase, when i	nternal phase is added in ex	ccess
	(d) They have milky yellow colour	F Home III of	

61.	The rheological and funct	ional properties of sy	novial fluid are in	npaired due to :
	(a) Increase in the conten	t of mucus	(b) Decrease in	the content of mucus
	(c) Increase in the conten	t of hyaluronic acid	(d) Decrease in	the content of hyaluronic acid
62.	Movement of charged part	icle through a liquid ur	nder the influence	of an applied potential difference
	is known as			
	(a) Sedimentation Potenti	al	(b) Streaming Po	otential
	(c) Electrophoresis		(d) Electroosmo	sis
63.	As per US FDA, NDA's for	new chemical entitles	are classified as	ei ther :
	(a) 'P' for product review	or 'S' for standard re	view	
	(b) "P' for priority review	or 'S' for standard re	view	
	(c) 'P' for product review	or 'S' for safety revie	w	
	(d) 'P' for priority review	or 'S' for safety revie	w	
64.	In preformulation study p	olymorphs can be det	ected by	
	(a) Counter - current chr	omatography	(b) Retractomet	ry
	(c) High performance liqu	uid chromatography	(d) Differential	scanning
65.	The following is/are used	to determine the amo	ount of drug boun	id to a protein:
	(a) Equilibrium dialysis	(b) Solubility	(c) pH titration	(d) Distribution method
66.	In tablet, hydroxy propyl i	nethyl cellulose is use	d as :	
	(a) Diluent	(b) Film former	(c) Disintegrant	(d) Binder
67.	Dakin's solution is a syno	nym for:		
	(a) Ammonium Acetate so	lution	(b) Chlorinated	soda solution
	(c) Chloroxylenlol solution	1	(d) Aluminium A	Acetate solution
68.	MEDLINE, EMBASE, EBM	AND IDIs are :		
	(a) Drug databases		(b) New comper	ndial specification of drugs
	(c) Chronicles of drug star	ndards	(d) Source for d	rug patents
69.	Theories of emulsification	are characterized by	one of the follow	ing EXCEPT:
	(a) Film forma lion		(b) Phase inver	sion
	(c) Monomolecular adsorp	Lion	(d) Solid partick	e adsorption
70.	When two brands of a dru	ıg product gives same	clinical results, it	is termed as:
	(a) Therapeutic equivalen	ce	(b) Bio equivale	nce
	(c) Pharmaceutical equiva	alence	(d) Clinical equi	valence
71.	Soda ash is also known as	::		
	(a) Lime stone (b)	Sodium carbonate	(c) Pure silica	(d) Calcium carbonate
72.	Microcrystalline cellulose	is also called as :		
	(a) Sugar tab (b)	Nutab	(c) Emdex	(d) Avicel
73.	Which of the following sta	itement is NOT true re	egarding bulkines	s?
	(a) The reciprocal of bulk	density is bulkiness		
	1 7	•	-	d for less bulky substance
	(c) Smaller particles shift	between larger ones a	ınd increases bull	kiness
	(d) Bulkiness increases w	•		
74.	Amixture of emulsifier A a	nd emulsifier B with v	alues of 4 and 14	respectively are to be mixed in a
			What is the weig	ght of individual emulsifier that is
	to be taken to have a total			
	(a) $A = 5.8$ gm and $B = 1.2$		(b) $A = 1.4 \text{ gm a}$	
	(c) $A = 5.6$ gm and $B = 1.4$	ł gm	(d) $A = 1.2 \text{ gm a}$	and B = 5.8 gm

75.	Which of the following or	kide is not used for ach	nievir	ng Amber color to	glass?
	(a) Manganese	(b) Iron	(c)	Cobalt	(d) Carbon
76.	In case of open model int	ravenous infusion, C_{ss}	(stea	dy state plasma co	oncentration) is equal to :
	(a) [Plasma concentration Cleara		(b)	$\frac{[\ C_{\max}]\ [\ Infusion}{Clearance}$	rate]
	(c) $\frac{[t_{max}] [Infusion \ rate]}{Clearance}$		(d)	Infusion rate Clearance	
77.	In case of suppositories l	oase, SFI stands for :			
	(a) Solidified Fatty acid Ir	ndices	(b)	Solid Fluid Indice:	S
	(c) Solidified Fatty acid In	cline	(d)	Solid Fat Index	
78.	If mean volume — numb number of particles/gm v	•	dered	l sample is 2.41μr	n, density is 3 gm/cm³, the
	(a) 538 x 10 ¹⁰	(b) 3.68 x 10 ¹⁰	(c)	4.55 x 10 ¹⁰	(d) 4.70×10^{10}
79.	Which polymorphic form	of a drug candidate ha	as hig	thest melting poin	t:
	(a) Unstable	(b) Metastable	(c)	Hydrates	(d) Stable
80.	For bitter drugs in paedia	atric formulations, exce	ellent	flavouring agent v	will be.
	(a) Raspberry syrup		(b)	Orange syrup	
	(c) Lemon syrup		(d)	Black current syr	up
81.	The co-administration of	erythromycin with cyc	closp	orine :	
	(a) Increase bioavailabili	ty, due to inhibition of l	hepat	tic metabolism	
	(b) Increase bioavailabili	ty, due to inhibition of	micr	oflora in intestine	
	(c) Decrease bioavailabili	ty due to complex forn	natio	n	
	(d) Decrease bioavailabil	ity, due to induction of	hepa	tic metabolism	
82.	Essentially Hospital Form	nulary system provide i	mech	anism to :	
	(a) Streamline prescription	on writing	(b)	Improve quality a	and hygenicity of food
	(c) Avoid brand and ther	apeutic duplication	(d)	Improve surgical	procedures
83.	Volume of blood that flow	s per unit time per un	it vo	lume of the tissue	is:
	(a) Residence time		(b)	Elimination rate	
	(c) Gastric emptying rate		(d)	Perfusion rate	
84.	Leaching by immersion ()f crude material in a s	olver	nt is also known as	S:
	(a) Maceration	(b) Precipitation	(c)	Evaporation	(d) Crystallization
85.	•		educe	the toxicity witho	out significantly altering the
	immunogenicity are know	vn as :			
	(a) Sera	(b) Antisera	(c)	Toxoids	(d) Vaccines
86.	Which of the following is	NOT a mechanism for	achi	eving gastroreten	tion ?
	(a) Osmosis	(b) Floating	(c)	Mucoadhesion	(d) Swelling
87.	The phase contrast micro	scopy is valuable in st			h are :
	(a) Stained		. ,	Unstained	
	(c) Treated with fluoresc	ent dye	(d)	Treated with fluo	rescent antibody

PHARMACOGNOSY

88.	The size Of Lycopodiu	m sp ores is :		
	(a) 45 μm	(b) 15 μm	(c) 35 μm	(d) 25 μm
89.	Regholarrhenines A-F	have been isolated fro	om:	
	(a) Veratrums	(b) Areca	(c) Aconite	(d) Kurchi
90.	Pungency of Zingiber	officinal e rhizome is o	due to the presence of :	
	(a) Citral	(b) Gingerol	(c) Commiphoric acid	(d) Gingeral
91.	The principal cultivati	on areas of pyrethrum	n flowers are in -	
	(a) Sri Lanka	(b) Malaysia	(c) India	(d) Kenya
92.	In Cassia angustifolia	short-term drought:		
	(a) Increases the con	centration of sennosid	les A + B	
	(b) Decreases the cor	ncentration of sennosi	des A + B	
	(c) Causes loss of leaf	biomass		
	(d) Causes death of th	ne plant		
93.	The Glycoside Scilliro	side in red sqrill acts a	s:	
	(a) Insecticide	(b) Rodenticide	(c) Acaricide	(d) Molluscide
94.	Shellac is a resinous	substance pr4vtred f	rom a secretion that enc	rusts the bodies of a scale
	insect:			
	(a) Viverra civet		(b) Karria lacca	
	(c) Acipenser huso		(d) Alverites moschi	ferus
95.	All members of this or	der are trees or shrubs;	mostly evergreen with nee	dle - like leaves ; monoecious
	or dioecious - sporop	hylls usually in cones.	Resin ducts occur in all pa	rts:
	(a) Cycadales	(b) Ginkgoales	(c) Taxales	(d) Coniferae
96.	In Gambir - fluorescir	test the petroleum sp	irit layer shows a strong:	
	(a) Green fluorescend	ce	(b) Blue fluorescence	9
	(c) Yellow fluorescen	ce	(d) Red fluorescence	
97.	Antiviral action of Ne	em in due to :		
	(a) Kaemferol	(b) Nelanin	(c) Nimbin	(d) Azadirachitin
		PHARM	MACOLOGY	
98.	Characteristic micrno	apic features observed	d in Alzheimer's disease is	;
	(a) Epidural haemore			
	(b) Depigmentation of	f substantia nigra		
	(c) Demyelination of	neurons in spinal core	d	
	(d) Presence of neutr	itic plaques containing	g Ab-amyloid	
99.	Cardiac output is:			
	•	jected by the auride p	er minute	
		od ejected by the left v		
		od ejected by the left v	-	
		jected by the auricles	•	
100	. What are sutures?	-	-	

(b) Non fibrous joints

(d) Fibrous joints of the skull

(a) Cartilaginous joints

(c) Synovial joints

101.	Following are the facts re		ations of muscarinic rec	eptor blocking drugs.			
	Identify the false statemen		as is aften an avecuaise i				
	single agent is fully e	-	se is often an excercise i	n polypharmacy, since no			
	(b) Marked reflex vagal cardiac output.	discharge may stimul	ate sinoatrial oratriover	ntricular node to improve			
	(c) Mydriasis produced	0 0		ation of the retina and			
	(d) Scopolamine is one a	ractive error in uncoop	-	929			
102	. Which of the following co	-		C33			
102		Natural killer cells	(c) Marcrophages	(d) Mast cells			
103.	. Which is NOT true about		(4) 11 21.0 p.1	(4)			
	(a) It is active form of Vit						
	(b) It enhances reabsorp	**	osphate from bone				
	(c) It prevents tubular rea		_				
	(d) Enhances absorption	-					
104.	. Production of an abnorm	al lgG immunoglohulir	n in Grave's disease c <mark>aus</mark>	es:			
	(a) Multinodular goitre		(b) Hypothyroidism				
	(c) Thyrotoxicosis		(d) Rheumatoid arthrit	tis			
105.	. Metabolic acidosis does N	IOT occur during:					
	(a) Starvation		(b) Chronic renal failu	re			
	(c) Wound healing (d) Uncontrolled diabetes mellitus						
106.	. Glucocorticoids have follo	owing effects - EXCEPT	`:				
	(a) Stimulation of immun	e responses	(b) Resistance to stress				
	(c) Lipolysis			and glucose formation			
107.	. Which one of the following		litric oxide?				
	(a) Reliving vascular smo						
	(b) Mediating microbicid		ges				
	(c) Serving as neurotrans						
100	(d) Inducing platelet aggr	_	tmont of tuborquissis.				
100.	. Identify the drug which is			d) Cinroflovacin			
100	(a) Pyrazinamide . What is anaplasia?	(b) Gentamicin	(c) Streptomycin (d) Ciprofloxacin			
109.	(a) Morphological and fu	nctional alterations /cl	nanges that are different	t from normal cells			
	(b) Morphological and fu	,	0	t from normal celb			
	(c) Increase in size of cel		o norman cons				
	(d) Lack of growth of cel						
110	Match the following liver		nseguences:				
110.	(a) Steatosis	(M) Raised hiliruhin	•				
	(b) Cholestasis		ım transaminase level				
	(c) Hepatitis	. , ,	fat droplets within liver c	alle			
	•	7	-	eig			
		(P) lilevated liver fun		(a) (b) (d) (N)			
	(a) (a) - (N), (b) - (P), (c)						
	(c) (a) - (N), (b) - (O), (c)						
111.	Numerous isomers of hum	-		•			
	is responsible for the me						
	(a) CYP3A4	(b) CYPIA2	(c) CYP1A11	(d) CYP2B6			
112.	Which of the following di	,		44			
	(a) Dabigatran	(b) Warfarin	(c) Bivalirudin	(d) Rivaroxahan			

			itatory glutamatergic synapse
and facilitation of	GABA mediated Cl channe	el opening action?	
(a) Valproate	` '	(c) Topiramate	(d) Phenytoin
114. Which of the follow	wing is NOT a cardioselect	tive β blocker?	
(a) Bisoprolol	(b) Nebivolol	(c) Acebutolol	(d) Pindolol
115. The term 'aneurys	m' refers to:		
(a) Permanent blo	ckage of blood vessels		
(b) Permanent abi	normal dilatation of blood	vessel	
(c) Abnormal conr	nections in blood vessels		
(d) Abnormal grow	wth of neurones near blo	od vessels	
116. The antiemetic ac	tivity of glycopyrronium i	s related to potent inhib	oition of receptor both
peripherally and c	entrally.		
(a) 5HT ₃	(b) D ₂	(c) M ₁	(d) H ₁
117. Identify the false st	tatement about benzodiaz	epines from the followi	ng:
(a) Benzodiazepin	es cause reduction of anx	iety	
(b) Benzodiazepin	es cause convulsions		
(c) Benzodiazepin	es produce muscle relaxat	ion and loss of motor c	o-ordination
(d) Benzodiazepin	es are useful in insomnia		
118. Which of the follow	wing is 5-alpha reductase	inhibitor?	
(a) Gliclazide	(b) Sildenafil	(c) Finasteride	(d) Polvthiazide
119. Several different of	chemicals released by mi	crobes and inflamed tis	ssues attract phagocytes, this
phenomenon is ca	lled as		
(a) Phagocytosis	(b) Integrins	(c) Chemotaxis	(d) Emigration
120. Hematocrit 65% to	70% indicates:		
(a) Hemophilia	(b) Polycythemia	(c) Hypoxia	(d) Anaemia
			by inhalation or nebulisation in
_	f asthma does not include		
(a) Peripheral vaso	odilation	(b) Hypertension	
(c) Tachvcardia	. hhi d f hl f-11	(d) Fine tremor	
(a) Oxyphenonium	otective drug from the folk (b) Metronidazole	_	(d) Sucralfate
. , , ,	. ,	. ,	ative deficiency of leading
			his contributes for emotional
disturbances and o		ino ana sorotonini i	
(a) Enzyme decarb	•	(c) Pyridoxine pho	sphate (d) Co-factor A
	ls by OECD guideline No. 4	. , .	
(a) Ate oral toxicity	y by acute toxic class meth	nod	
(b) Acute oral toxi	city by up and Down proc	cedure	
(c) Repeated dose	28-day toxicity study in re	odents	
	city by fixed dose procedu	ıre	
125. Which of the follow	76-		
	uretics can lead to:	(1) 11	1
(a) Hypervolemic s		(b) Neurogenic sho	
(c) Hypovolemic sh	юск	(d) Cardiogenic sh	оск

ANSWER KEY GPAT 2019

1-c	2-b	3-a	4-c	5-c	6-b	7-d	8-b	9-a	10-b
11-b	12-d	13-b	14-d	15-b	16-c	17- b	18-a	19-b	20-b
21-c	22-b	23-с	24-d	25-a	26-d	27 - c	28-d	29-d	30-b
31-d	32-b	33-b	34-b	35-a	36-d	37-d	38-c	39-с	40-b
41-b	42-a	43-d	44-b	45-d	46-b	47-b	48-c	49-b	50-a
51-d	52-b	53-a	54-b	55-d	56-b	57-d	58-c	59-с	60-с
61-d	62-c	63-b	64-d	65-a	66-b	67-b	68-a	69-b	70-a
71-b	72-d	73-с	74-b	75-c	76-d	77-d	78-c	79-d	80-a
81-a	82-c	83-d	84-a	85-c	86-a	87-b	88-d	89-d	90-b
91-d	92-a	93-b	94-b	95-d	96-a	97-c	98-d	99-с	100-d
101-b	102-с	103-с	104-с	105-с	106-a	107-d	108-b	109-a	110-b
111-a	112-d	113-a	114-d	115-b	116-с	117-b	118-c	119-c	120-b
121-b	122-d	123-с	124-d	125-с					