Seat No.	

SUB: PHARMACY (PY)

Time:1 Hour 40 minutes

Instructions:

- 1. Ensure that all pages are printed.
- 2. Use Black ball pen only
- 3. Change in option is not allowed
- 4. There is no negative marking
- 5. Use of non -programmable scientific calculator is allowed

1.	Glucose on oxidation with bromine water	er forms	
	A Glucuronic acid	В	Glucosaccharic acid
	C Gluconic acid	D	Mannose
2.	Methadone is an analgesic drug belongs	to the cla	ass of
	A Phenylpropylamine	В	Phenyl piperidine
	C Benzomorphan	D	Morphinan
3.	Minimum number of carbon required fo	r a ketose	sugar to have cyclic structure is
	A 6	В	5
	C 4	D	3
4.	Which of the following drug shows thre	e differen	t _p Ka values?
	A Aspirin	В	Phenytoin
	C Guanithidine	D	Tetracycline
5.	LDL and HDL are commonly known as		and respectively.
	A good cholesterol, bad cholesterol	В	bad cholesterol, good cholesterol
	C assimilatory cholesterol, oxidative	D	oxidative cholesterol, assimilatory
	cholesterol		cholesterol
6.	1,8-Naphthyridone heterocyclic nucleus	is presen	t in
	A Nalidixic acid	В	Ciprofloxacin
	C Oxolinic acid	D	Moxifloxacin
7.	Rancidity of lipids of lipid rich food is of		
	A hydrogenation of unsaturated fatty	В	dehydrogenation of saturated fatty
	acids		acids
	C oxidation of fatty acids	D	reduction of fatty acids
8.	19-Nor steroids		
	A have methyl group at 18 position	В	lack methyl group at 18 position
	C have methyl group at 19 position	D	lack methyl group at 19 position
9.	Which of the following amino acid bear	_	
	A Arginine	В	Lysine
	C Histidine	D	Proline
10.	Which isomer of diethylstilbestrol is a	ictive?	
	A Cis	В	Meso
	C Trans	D	None of the above
11.	٤		
	A Enoyl-ACP reductase	В	Thromboxane synthase
	C β-ketoacyl ACP reductase	D	Cyclooxygenase
12.	7 6 11 7		
	A It acts as steric shield to reduce	В	It increases hydrophobicity such
	metabolism		that the molecule can cross cell
			membranes

Page 1 of 0

12	C	It introduces selectivity for α-adrenoceptors	D	It introduces selectivity for β -adrenoceptors
13.	A A	electric transducers are used in mass spectrometer	В	spectrofluorometer
	C	FTIR	D	NMR spectrometer
14.	Whi	ch conformation of acetylcholine is mos	st acti	
	A	Anticlinal	В	Antiplanar
	C	Synplanar	D	Synclinal
15.	A pe	eak with highest mass to charge ratio in	mass	spectrum is known as
	A	base peak	В	molecular ion peak
	C	fragment ion peak	D	metastable peak
1.0				•
16.		phine is best described as		
	A C	monoacid tertiary	В	diacid tertiary
	C	monoacid secondary	D	diacid secondary
17.	Whi	ch of the following is an official IP met	hod f	or assay of sulpha drugs?
	A	UV-visible spectrophotometry	В	Acid-base titration
	С	HPLC	D	Nitrite titration
18.	_	ording to Veber rule for optimum act.		
		otatable bond in a drug should be	,	3, 11, 11, 11, 11, 11, 11, 11, 11, 11, 1
	A	G	В	≥10
	C	> 10	D	< 10
19.		ch of following chromatographic te tion?	chniq	ue is not based on principle of
	A	Supercritical fluid chromatography	В	Liquid-liquid chromatography
	C	Ion-exchange chromatography	D	Gas liquid chromatography
20.	To v	which class of compounds do adrenaline	, nora	adrenaline and dopamine belong?
		Phenyl ethylamines	В	Catecholamines
	C	Diphenylethylamines	D	Adrenergics
21.		ch of the following material is used matography?	as a	stationary phase in reverse phase
	A	Octadecyl silane	В	Magnesium oxide
	C	Activated silica	D	Calcium carbonate
22.		a molecule to exhibit antihistaminic a t of diaryl ring system and aliphatic N s		=
	A	$3-4 A^0$	В	$4-5 \text{ A}^0$
	C	5-6 A ⁰	D	$6-7 A^0$
23.	In fl	uorimetry, the emission radiation is alw	ays	
	A	equal to excitation radiation	В	more energetic than the excitation radiation

	С	of a shorter wavelength than the excitation radiation	D	of a longer wavelength than the excitation radiation
24.	Whi A	ch conformer of histamine does not act Trans	on H B	2 receptor site? Gauche
	C	Totally eclipsed	D	Skew eclipsed
25.		ch of the following techniques is leadl organic molecules?	ıst use	eful for structural determination of
	A	UV spectroscopy	В	GC-MS
	C	FT-IR	D	NMR
26.	The	following statements describe the chem	nistry	of prostaglandins except
	A	1 to 3 double bonds	В	5-membered ring system
	C	21-carbon skeleton	D	Ketone group
27.	In pe	enicillin, 2-azetidinone ring is fused wit	th	ring.
	A	dihydrothiazine	В	thiazolidine
	C	pyrrolidine	D	oxazolidine
28.	The	5β-pregnane is said to have a		back bone.
	A	trans-anti-cis-anti-cis	В	cis-syn-trans-syn-trans
	C	trans-anti-trans-anti-trans	D	cis-anti-trans-anti-trans
29.	Find	l out prodrug from followings.		
	A	Oxyphenbutazone	В	Piroxicam
	C	Sulindac	D	Naproxen
30.	DSC	Spectrum is represented as		
	A	% weight vs time	В	Heat flow vs temperature
	C	Δ T <i>vs</i> temperature	D	Δ T <i>vs</i> volume of titrant
31.	Th	e free anthraquinones give	reac	etion positive
	A	Borax test	_ B	Benedicts test
	C	Borntrager's test	D	Barfoed's test
32.		hich of the following is the source toxal		
	A	Linseed	В	Croton seeds
	C	Abrus seeds	D	Castor seeds
33.	Wł	hich of the following is a C-glycoside		
	A	Vitexin		Quercetin
	C	Quercitrin		Kaempferol
34.	Wł	hich of the following type of alkaloids of	lerive	<u>.</u>
	A	Tropane	В	Isoquinoline
	C	Indole	D	Phenylethylamines
35.	Pre	esence of tetra hydroisoquinoline alka	loid	· ·
		nily.		
	A	-	В	Papaveraceae
	C	Ranunculaceae	D	Solanaceae
36.	_	hich of the following families is not cha		
-		essential oil?		, ,

PΥ

Dago 2 of 0

	A	Rutaceae	В	Myrtaceae
	C	Piperaceae	D	Leguminosae
37.	W	hich of the following volatile oils have	a den	sity higher than that of water?
	A	Caryophylli aetheroleum	В	Lavandulae aetheroleum
	C	Thymi aetheroleum	D	Cinnamomi cassiae aetheroleum
38.	Pseu	ıdo alkaloids are		·
	A	Derived from amino acid	В	Amino alkaloids
	C	Not derived from amino acid	D	Alkaloids with nitrogen absent in
				heterocyclic ring system
39.	Whi	ch of the following is used as a precurs	or for	the production of corticosteroids in
		ndustry?		
	A	Nicotine	В	Glycyrrhizin
	C	Diosgenin	D	Quinine
40.	In w	which of the following ways can alkaloid	ds be	extracted from plants in salt form?
	A	Warming with organic solvents	В	Shaking with acidified water at
				room temperature or above
				1
	C	Boiling with aqueous ammonium	D	Warming with lead acetate and
		hydroxide		water
41.	Whi	ch of the following chromatographic te	chniq	ues always use forced flow?
	Α	Rotation planar chromatography	В	Ion-exchange chromatography
	C	Gel-filtration chromatography	D	Thin-layer chromatography
42.	Cod	eine is		
	A	Mono ethyl ether of Morphine	В	Dimethyl ether of Papaverine
	C	Acetyl derivative of Morphine	D	Diethyl ether of Morphine
43.	Vinf	flunine is a drug of choice in		
	Α	Breast cancer	В	Lung cancer
	C	Bladder cancer	D	Ovarian cancer
44.	P	VP is added to plant extract to isolate g	glycos	sidereason
	Α	To remove resinous matter	В	To deactivate enzymes present in
				plants
	C	To remove Tannins	D	To break down glycosidal linkage
45.	Crer	nocarp fruit is characteristic of the fam	ily	:
	A	Cruciferae	В	Compositae
	C	Solanaceae	D	Umbellifereae
46.	Opiı	um alkaloids occur in combination with	1	
	Å	Meconic acid	В	Quinic acid
	C	Tropic acid	D	Lysergic acid
47.	_	yme oxidase is present in		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Α .	Sterculia	В	Acacia
	C	Tragacanth	D	Agar
48.		ot obtained from natural source is dried		1.28
	A	Ovary	В	Sclerenchyma
	C	Periderm	D	Sclerotium
49.	_	structure of hyoscyamine can be d		
17.		scine.	.111010	induced by presence of in
	A	Lactone ring	В	Epoxy group
		<u>=</u>		
50	C	Carbonyl group	D	Ester group
50.		syurvedic system of medicine one of the	ne tol	nowing is highly valued as Medhya
	Rasa	avana drug		

collegedunia
India's largest Student Review Platforn

51.	A C Poso	Malkangani Punernava logy is branch of Pharmacology which	B D main	Palash Neem ly concern with
	A	Effect of medicine on body	В	Screening and evaluation of medicine
	C	Effect of body on medicine	D	Dosages of medicine
52.	Capa A	ability of drug to bind with the receptors Affinity	s is kr B	nown as: Intrinsic activity
	C	Agonist	D	Antagonist
53.	A C	hanism of Cardiac glycoside is: Sodium-Magnasium ATPase pump inhibitor Sodeum-Potasium ATPas pump inhibitor	B D	Sodium-Potassium ATPase pump inhibitor Calcium-Potasium ATPas inhibitor
54.	A	a sympathomimetic agent that causes bronchodilatation	В	a sympathomimetic agent that causes bronchoconstriction
55.	C Hydi A	a parasympathomimetic agent that causes bronchodilatation rochlorthiazide diuretics should usually Hypertension	D be av B	a parasympathomimetic agent that causes bronchoconstriction voided in patients with: Hypernatraemia
	C	Hypercalcaemia	D	Oedema
56.	Abru	upt cessation of which of the following	ng ag	ents can precipitate a hypertensive
	crisis A	s? Hydrochlorothiazide	В	Lisinopril
	C	Diltiazem	D	Clonidine
57.	Mecl A	hanism of action of Streptomycin is: Destroy lipoprotein membrane	В	Inhibit conversion of P-amino benzoic acid to folic acid and folinic acid
	C	Bind to 30s ribosome and thereby Inhibit cell protein synthesis	D	Bind to 50s ribosome and thereby Inhibit cell protein synthesis
58.	Crys A	talline aggregations in kidney is general Quinolones	l majo B	<u> </u>
	C	Ampicillin	D	Cephalexin
59.	Whice A	ch of the following is prescribed with Is Streptomycin	oniaz B	tide to prevent peripheral neuritis: Ethambutol
	C	Pyrazinamide	D	Vit B6
60.	Whice A	ch of the following is antimalarial agent Chloroquine	used B	as suppressive prophylactic : Quinidine
	C	Chlorophenasin	D	Cisplatin
61.	Whice A	ch of the following is mechanism of act Inhibition of free extracellular virus	ion of B	f Ziduvudin DNA Polymerase inhibition

Py E of O

	C	Reverse transcriptase inhibition	D	Post translational event inhibition
62.	Whice A	ch of the following is drug of choice for Phenytoin	treat B	ment of febrile convulsions: Diazepam
	C	Clozapine	D	Domperidone
63.	Posit A	tive symptoms of schizophrenia include Hallucination	follo B	owing, except: Dellusion
	C	Disorganized speech and behaviour	D	Alogia
64.	Whice A	ch of the following is atypical antipsych Chlorpramzine	otic a B	agent: Haloparidol
	C	Clozapine	D	Levodopa
65.	Sum A	atriptan is: 5-HT ₁ receptor agonist	В	5-HT ₁ receptor antagonist
	C	Dopamine receptor agonist	D	Dopamine receptor antagonist
66.	Guai A	fenesin is generally used as: antibacterial	В	antiinflammatory
	C	antitussive	D	Expectorant
67.	Whice A	ch of the following is used for induction ofloxacin	of la B	abour: oxytocin
	C	omeprazole	D	olanzepine
68.	Follo A	owing is an oral antidiabetic agent belor glibenclamide	ngs to B	class sufonylurea, except: gliclazide
	C	Metformin	D	glimepiride
69.	Whi	ch of the following should be generally	used	with caution in asthma:
	A	Loperamide	В	Amoxicillin
	C	Ibuprofen	D	Salbutamol
70.	follo	the chronic use of morphine less toll wing effects, except:		-
	A	analgesia	В	Constipation
	C	Euphoria	D	Respiratory Depression
71.	The is	type of particle diameter that is obtained	d by s	sedimentation method of evaluation
	A	Volume	В	Stoke's
	C	Volume-surface	D	Projected
72.	Exar	nple of the polymer exhibiting pH depe	ndent	t solubility is

py page 6 of 0



	A	Eudragit RS 100	В	Eudragit RL 100
	C	Eudragit RL 30 D	D	Eudragit E 100
73.	Phar	macy act was passed in		
	A	1945	В	1947
	C	1948	D	1954
74.	Reco	ommended Biological Indicators for Etl	hylen	e oxide sterilization is
	A	Bacillus atrophaeus	В	Staphylococcus aureus
	C	Saccharomyces cerevisiae	D	Escherichia coli
75.		ease in aqueous solubility of iodine du sis the example of	ie to	presence of higher concentration of
	A	Co-solvency	В	Hydrotropy
	C	Reduction in the surface tension	D	Reduction in particle size
76.		olyethylene Glycol is added in large pro tin capsules, there is	porti	ons in the content to be filled in soft
	A	No effect of gelatin shell	В	Shell softening effect
	C	Shell hardening effect	D	Cross-linking of gelatin
77.	The A	cation-exchange resin used as super dis Polacrilin Potassium	sinteg B	rant in tablet formulation is Sodium Starch Glycolate
	C	Cross Povidone	D	Cross Carmellose
78.		ntegration test must be performed on al Enteric coated tablets		1
	C	Effervescent tablets	D	Fast dispersible tablets
79.	Exar A	mple of synthetic biodegradable parente Gelatin	eral ei B	mulsifier Acacia
	C	Poloxamer	D	Albumin
80.	Suita A	able dosage form for the drug which ex Floating tablet	hibit l B	high first pass metabolism is Colon targeted tablet
	C	Orodispersible tablet	D	Buccal tablet
81.	Nam A	ne of the microorganism used for the microorgani	icrobi B	al assay of Erythromycin Staphylococcus aureus
	C	Micrococcus luteus	D	Bacillus cereus
82	Whi	ch of the following is/are polyvalent va	ccina	2

Page 7 of 0

	A	BCG	В	MMR
	C	Both A & B	D	None
83.	Man	toux test is used for the diagnosis of		
	A	Tuberculosis	В	Diphtheria
	C	Gas Gangene	D	Whooping cough
84.		t is the percentage of zinc oxide in an of w/w ointment, 300 gm of 15% w/w o 10.00 % w/w		
	C	10.67 % w/w	D	15.00 % w/w
85.	The	statement store in cool place as per IP	means	.
	(A)	store at room temperature	В	store between 2 ⁰ to 8 ⁰ C
	(C)	store at any temperature between 8°Cto 25°C	D	store at 0 ⁰ C
86.	"Sch	nedule S" in The Drugs and Cosmetics	act de	nicts
00.	A	Standards for the cosmetics	В	Standards for surgical dressings
	C	Self life of the drugs	D	Standards for mechanical contraceptives.
87.		onstant temperature, as the amount of 120% to 40%	liquio	1
	A	Pressure in the aerosol increases two fold	В	Pressure in the aerosol increases significantly but less than twofold
	C	Pressure in the aerosol decreases	D	Pressure in the aerosol do not change
88.		erosol, regulation of dose is concerned		_
	A	Propellant	В	Actuator
	C	Metered valve	D	Ferrule
89.	Sodi	um citrate is used in the Calamine lotic		
	A	Preservative	В	Chelating agent
	C	Flocculating agent	D	To adjust pH of lotion to 6.8
90.	Oily A	vehicle for the Intramuscular injection Sunflower oil	can b	e Liquid Paraffin
	C	Silicone oil	D	All of the above
91.	Mec A	hanism of sterilization by the autoclavi Alkalization	ng is B	Denaturation of proteins
	C	Damage to DNA	D	Charring of essential organic compounds
92.		Time to reach the steady state plasmous infusion is dependent on	a con	<u>-</u>

py page 9 of 0

	A	Rate of infusion of drug	В	Elimination half life of the drug
	C	Both A & B	D	None of the above
93.		e dose of the drug having Vd= 20 liter ax of this drug. Consider bioavailabilit		
	(A)	0.37 mg/lit	(B)	3.7 µg/ml
	(C)	37 µg/lit	(D)	3.7 mg/ml
94.	Drug A	g disposition do not include Drug Absorption	В	Drug distribution
	C	Drug Metabolism	D	Drug Excretion
95.	One	of the following statement is not true	for the	protein bounded drug
	A	It is pharmacologically active	В	It cannot be metabolized
	C	It cannot be excreted	D	It cannot undergo membrane transport
96.	Unit	of Total Body Clearance is		
	A	mg/ml	В	ml/ min
	C	mg/min	D	mg/(ml*min)
97.	Lipo	osomes are formulated from		
	A	Polyoxyalkyl derivatives	В	Glycerides of fatty acids
	C	Glycosides	D	Phospholipids
98.	The A	surfactant that can be used in the shan Sodium Lauryl Sulphate	npoo a B	re listed below except Cocamidopropyl betaine
	C	Glycol distearate	D	Polyoxyethylene sorbitan mono oleate
99.	Wate	er soluble ointment base is		
	A	Carbowax®	В	Lanolin
	C	Emulsifying Wax	D	Glyceryl mono stearate
100.	One A	of the following statement is not true It is optically clear	for the B	e microemulsion It consist of oil, water, emulsifier and/or stabilizer
	C	It contains 2-10 micrometer size disperse phase globules	D	Amount of emulsifier/stabilizer is relatively higher than conventional emulsion.

Page 0 of 0

