1092000689

#### For Diploma in Pharmacy candidates

(Booklet Number)

Full Marks: 100

# INSTRUCTIONS

- 1. All questions are of objective type having four answer options for each. Only one option is correct. Correct answer will carry full marks 1. In case of incorrect answer or any combination of more than one answer, 1/4 mark will be deducted.
- 2. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C, or D.
- 3. Use only Black/Blue ball point pen to mark the answer by complete filling up of the respective bubbles.
- 4. Mark the answers only in the space provided. Do not make any stray mark on the OMR.
- 5. Write question booklet number and your roll number carefully in the specified locations of the **OMR**. Also fill appropriate bubbles.
- 6. Write your name (in block letter), name of the examination centre and put your full signature in appropriate boxes in the OMR.
- 7. The OMR is liable to become invalid if there is any mistake in filling the correct bubbles for question booklet number/roll number or if there is any discrepancy in the name/ signature of the candidate, name of the examination centre. The OMR may also become invalid due to folding or putting stray marks on it or any damage to it. The consequence of such invalidation due to incorrect marking or careless handling by the candidate will be sole responsibility of candidate.
- 8. Candidates are not allowed to carry any written or printed material, calculator, pen, docupen, log table, wristwatch, any communication device like mobile phones etc. inside the examination hall. Any candidate found with such items will be **reported against** and his/her candidature will be summarily cancelled.
- 9. Rough work must be done on the question paper itself. Additional blank pages are given in the question paper for rough work.
- 10. Hand over the OMR to the invigilator before leaving the Examination Hall.

Duration: 2 Hours

#### SPACE FOR ROUGH WORK

Pharmacy

 $\mathbf{A}$ 

1.	Sap	onin Glycoside is present in -		
	(A)	Senna	(B)	Aloe
	(C)	Shatavari	(D)	Digitalis
2.	Vol	atile oils are the derivative of -		
	(A)	Isoprene	(B)	Polylysine
	(C)	Polypropylene	(D)	Urotropin
		•		
3.	Indi	vidual member of androecium is called a	s <b>-</b>	
	(A)	Carpel	(B)	Stamen
	(C)	Sepal	(D)	Petal
4.		tocic activity is shown by -		
	(A)	Dioscorea	(B)	Shatavari
	(C)	Ergot	(D)	Digitalis
_	CI 1	· · · · · · · · · · · · · · · · · · ·		
5.		lagogue means -	(D)	D 121
	(A)	Promote milk secretion	(B)	Promote bile secretion
	(C)	Increase sweat secretion	(D)	Increase gastric secretion
6.	Liqu	orice belongs to family -		
	(A)	Liliaceae	(B)	Solanaceae
	(C)	Loganiaceae	(D)	Leguminosae
7.	Ferul	lic acid when treated with hydrochloric ac	cid giv	res -
	(A)	Acetic acid	(B)	Umbellic acid
	(C)	Cinnamic acid	(D)	Vanillic acid
3.	Glyc	osides are condensation products of -		
	(A)	Sugar + aglycone	(B)	Sugar + Protein
	(C)	Protein + aglycone	(D)	Fats + aglycone
				<u>,                                     </u>

9.		ly basil' is the synonym for drug -	(D)	Alliama gatinum	
	(A)	Alpinia officinarum	(B)	Allium sativum	
	(C)	Nardostachys jatamansi	(D)	Ocium sanctum	
10.	Kelle	er kiliani test is used for identification of	<b>-</b>		
	(A)	Fructose	(B)	Maltose	
	(C)	Deoxy sugar	(D)	Glucose	
11.	Kop	lik's Spot is related to which disease?			
	(A)	Pox	(B)	Measles	
	(C)	Typhoid	(D)	Rabies	
12.	Gern	man Measles is caused by -			
	(A)	Rubella virus	(B)	Rubeola virus	
	(C)	Varicella zoster	(D)	Variola virus	
13.	Chlo	proquine is deposited in -			
	(A)	Kidney	(B)	Liver	
	(C)	Retina	(D)	Teeth	
14.	Propranolol is given orally in higher dose than that of actual need because propranolol is destroyed by -				
	(A)	Gastric acid	(B)	First pass metabolism	
	(C)	Normal flora of G.I. lumen	(D)	Bile acid	
15.	Peni	cillin shows antimicrobial activity by -			
	(A)	Inhibiting Cell wall synthesis	(B)	Inhibiting Protein synthesis	
	(C)	Perforation of cell membrane	(D)	Alkylation of DNA	
16.	Digo	oxin shows cardiotonic activity by inhibit	ting -		
	(A)	Carbonic anhydrase	(B)	Cyclooxygenase	
	(C)	Sodium -potassium ATPase	(D)	Aldehyde dehydrogenase	
Dha	**************************************	4			

17.	. Which local anaesthetic is used for gastric irritation?				
	(A)	Procaine	(B)	Amethocaine	
	(C)	Oxethazaine	(D)	Bupivacaine	
18.	For	methanol poisoning specific antidote is -			
	(A)	Fomepizole :	(B)	Desferrioxamine	
	(C)	BAL	(D)	Sodium nitrite	
19.	Stre	ptomycin acts well in -		•	
	(A)	Acidic pH	(B)	Basic pH	
	(C)	Neutral pH	(D)	Negative pH	
20.	Pher	nobarbitone is a/an -			
	(A)	Acidic Drug	(B)	Basic Drug	
	(C)	Neutral Drug	(D)	Amphoteric Drug	
21.	Gent	amycin Sulphate is -			
	(A)	Natural	(B)	Synthetic	
	(C)	Semi synthetic	(D)	None of these	
22.	Stero	oidal antibiotic is -			
	(A)	Kanamycin	(B)	Fusidic acid	
	(C)	Gentamycin	(D)	Polymyxin	
23.	Seler	nium sulfide is an -			
	(A)	antimicrobial	(B)	antiprotozoal	
	(C)	antidandruff	(D)	anthelmintic	
24.	Titan	ium dioxide (TiO <sub>2</sub> ) is a/an -			
	(A)	antimicrobial	(B)	sun screening agent	
	(C)	antifungal	(D)	antiemetic	
	(0)	ununungui	(-)		

26.	How	many numbers of carbon is present in	Undecyl	enic Acid ?	
26.		many numbers of carbon is present in Nineteen		enic Acid ?  Eleven	
	(A) (C)	Ten	(B) (D)	Sixteen	
27.	Who	is the chairman of Drugs and Technica	al Adviso	ory Board (DTAB) ?	
	(A)	Drug Controller of India			
	(B)	President of PCI			
	(C)	Director General of Health Services	TZ 11 .		
	(D)	Director of Central Drug Laboratory,	Kolkata		
20	Ti				
28.		general formula of monosaccharides is	(B)	СНО	
		$C_nH_{2n}O_n$		$C_{2n}H_2O_n$	
	(C)	$C_nH_2O_{2n}$	(D)	$C_nH_{2n}O_{2n}$	
29.	Sym	ovial fluid contains -			
29.	(A)	Heparin	(B)	Hyaluronic acid	
	(C)	Chondroitin sulphate	(D)	Keratin sulphate	
	(0)	Chondroidh Salphare	( )	•	
30.	Whi	ch one is Live Vaccine?			
	(A)	DPT	(B)	MMR	
•	(C)	BCG	(D)	TT	
31.	Cell	ulose Acetate Phthalate (CAP) dissolve	es at pH	<del>-</del>	
	(A)	Above 6	(B)	Below 6	
	(C)	4	(D)	2	
Pha	rmacy	Total a control of the state of	) 	mandered man, mand man, mand man, man, man, man, man, man, man, man,	A

32.	Sim	ple Syrup IP contains	_ sucre	ose.
	(A)	66.7 % w/v	(B)	85 % w/v
	(C)	70 %w/w	(D)	66.7 %w/w
33.	Clos	tridium tetani produces -		
	(A)	Exotoxin	(B)	Endotoxin
	(C)	Pyrogen	(D)	None of these
34.	Com	position of Molisch reagent is -		
	(A)	Alpha naphthol + sulphuric acid		
	(B)	Beta naphthol + sulphuric acid		
	(C)	Naphthylamine + sulphuric acid		
	(D)	Phenol + sulphuric acid		
35.	One	nanometer (nm) is equal to -		
	(A)	$10^{-2}  \text{cm}$	(B)	10 <sup>-4</sup> cm
	(C)	$10^{-7} \text{ cm}$	(D)	10 <sup>-8</sup> cm
36.	Barit	um meal is used for visualization of -		en en de de la companya de la compa
	(A)	Gall bladder	(B)	Intestinal tract
	(C)	Heart	(D)	Liver
37.	Whic	ch is true for "Streptomyces" ?		
	(A)	Gram positive filamentous bacteria		
	(B)	Gram negative filamentous bacteria		
	(C)	Fungus		
	(D)	Acid fast bacteria		
38.	Whic	ch is the example of spirochaete?		
	(A)	Chlamydia trachomitis	(B)	Trypanosoma gambiens
	(C)	Treponema pallidum	(D)	Vibrio cholerae
Phar	macy	7	. BILLEY SERVICE SERVICE STOPPS	lang, alangang, tao dang singang, pangang, pangang, daripatin, sangang, pandang, pandang, pandang, pandang, pangang, pandang, pan

39.	Whic	ch one is Gram positive bacteria?			
	(A)	Salmonella typhi	(B)	Vibrio cholerae	
	(C)	Pseudomonas aeruginosa	(D)	Staphylococcus aureus	
40.	Cond	dy's Lotion is prepared from -			
	(A)	Potassium permanganate	(B)	Potassium dichromate	
	(C)	Potassium phthalate	(D)	Potassium bromide	
41.	You	ng's formula for child dose calculation is	-		
	(A)	(Age/ (Age+12)) × Adult dose			
	(B)	$(Age/20) \times Adult dose$			
	(C)	(Weight of the child in lbs/150) × Adult	dose		
	(D)	(Age in months/150) × Adult dose			
42.	A se	mi solid preparation containing excess of	finely	divided solids is a -	
	(A)	Cream	(B)	Paste	
	(C)	Jellies	(D)	Liniment	
43.	Age	nt added to tooth paste to keep it in moist	form	is known as -	
	(A)	Humectant	(B)	Binders	
	(C)	Abrasives	(D)	Detergents	
44.	Sort	oitan monolaurate is commercially known	as -		
	(A)	Tween 20	(B)	Span 20	
	(C)	Span 40	(D)	Span 60	
45.	An '	'Orphan Drug' is -			
	(A)	A very cheap drug			
	(B)	A drug which has no therapeutic use			
	(C)	A drug needed for treatment or prevent	ion of	a rare disease	
	(D)	A drug which acts on Orphanin receptor	rs		
-		A LINEAR A MARKET A M	-	kaari agama) saari jamung saari jaming kaar daarigg kaar agamung kaariachiha, skindaaprink, kaarinyonya, kaari baariak Phariachiha, ya k	ABBOTTAN, BENEMBERSAL SOM ABBOTTAN, BONTON PAIL, BENTWOODER, BENT

46.	Majo	ority of drugs cross biological membrane	s prim	arily by -
	(A)	Passive diffusion	(B)	Facilitated diffusion
	(C)	Active transport	(D)	Pinocytosis
47.	Whi	ch of the following drugs is most likely to	o be at	osorbed from the stomach?
	(A)	Morphine sulphate:	(B)	Diclofenac sodium
	(C)	Hyoscine hydrobromide	(D)	Quinine dihydrochloride
48.	The	most commonly occurring conjugation re	eaction	for drugs and their metabolites is -
	(A)	Glucuronidation	(B)	Acetylation
	(C)	Methylation	(D)	Glutathione conjugation
49.	Glor	merular filtration of a drug is affected by	its -	
	(A)	Lipid solubility	(B)	Plasma protein binding
	(C)	Degree of ionization	(D)	Rate of tubular secretion
50.	HLE	Scale is designed by -		
	(A)	Bently	(B)	Lehlinger
	(C)	Griffin	(D)	Rutherford
51.	Hea	rt receives cholinergic stimulation throug	h	nerve.
	(A)	Vagus	(B)	Trigeminal
	(C)	Spinal Accessory	(D)	Trochlear
52.	Met	hod used for extraction of volatile oils is	_	
J2.	(A)	Steam distillation	(B)	Fractional distillation
	(C)	Molecular distillation	(D)	Simple distillation
53.	Atn	ormal pressure, freezing point of blood p	lasma	is -
<i>33</i> .	(A)	-0.41°C	(B)	−0.52°C
	(A) (C)	−0.41 C −0.05°C	(D)	
Pho	rmacv	9		A

	(C)	Lunch	(D)	Supper	
			$(\mathbf{D})$	Supper	
	(A)	Dinner	(B)	Breakfast	
61.	Jent	aculum means -			
	(0)	1 owder mixing	(~)		
	(A) (C)	Powder mixing	(D)	Crude fibre mixing	
uu.	(A)	Wet granulation	(B)	Dry granulation	
60.	Sian	na blade mixers are commonly used in -			
	(C)	Edge runner mill	(D)	Triple roller mill	
	(A)	Ball mill	(B)	Cutter mill	
59.	Whi	ch is the mill used to obtain ointments of	f the sn	nooth texture of consistency is?	
	(C)	Chlorthalidone	(D)	Spirolactone	
	(A)	Amiloride	(B)	Triamterene	
58.		idine ring is present in -			
	(C)	Alkyl amine	(D)	r nenounazine	
	(A)	Ethylene diamine	(B)	Amino alkyl ether Phenothiazine	
57.	•	nenhydramine belongs to antihistaminic o		• •	
			, (		
	(C)	Triamterene	(D)	Spironolactone	
	(A)	Amiloride	(B)	Chlorthalidone	
56.	Whi	ch diuretic have steroid nucleus ?			
	(C)	Pyrazine ring	(D)	Pyridine	
	(A)	Pyrimidine ring	(B)	Pteridine ring	
55.	Whi	ch heterocyclic ring is present in Amilori	de?		
	(C)	Implants	(D)	Sublingual	
	(A)	Enteric coated tablets	(B)	Film coated tablets	
54.		ets that are placed under the skin are -	(T)	7.1	

62.	Coll	igative properties are useful in determi	ning -	
	(A)	Tonicity	(B)	Solubility
	(C)	Sterility	(D)	Stability
63.		ch antibiotic is primarily bacterio entrations?	static bi	ut becomes bactericidal at higher
	(A)	Erythromycin	(B)	Tetracycline
	(C)	Chloramphenicol	(D)	Ampicillin
64.	Whi	ch of the following organism is notedly?	orious for	developing antimicrobial resistance
	(A)	Streptococcus pyogenes	(B)	Meningococcus
	(C)	Treponema pallidum	(D)	Escherichia coli
				e de la companya de
65.	Whi	ch one of these is an indiffusible substa	ances?	
	(A)	Aspirin	(B)	Kaolin
	(C)	KI	(D)	CaCO <sub>3</sub>
66.	The	penicillin G preparation with the longe	st duratio	on of action is -
	(A)	Benzathine penicillin	(B)	Sodium penicillin
	(C)	Potassium penicillin	(D)	Procaine penicillin
67.	Amo	ong these antineoplastic agents, which o	one is alk	ylating agent ?
	(A)	Vincristine	(B)	Methotrexate
	(C)	Mercaptopurine	(D)	Cyclophosphamide
68.	Whi	ch of the following drug acts by inhibit	ing an en	zyme in the body?
	(A)	Phenobarbitone	(B)	Allopurinol
	(C)	Levodopa	(D)	Metoclopramide
69.	Whi	ch of the following is a prodrug?		
	(A)	Hydralazine	(B)	Clonidine
	(C)	Captopril	(D)	Enalapril
	(-)	and the second of the second o	(-)	<b>F</b>

70.	Whic	h macrophage cell is present in skin?			
	(A)	Kupffer Cell	(B)	Osteoclast	
	(C)	Osteocyte	(D)	Dendritic cell	
71.	Whic	ch of the followings does not change with	the cl	nange of temperature?	
	(A)	Molarity	(B)	Normality	
	(C)	Molality	(D)	Formality	
72.	With	iron compound, tannins give the colour	-		
	(A)	Pale yellow	(B)	Blue black	
	(C)	Light pink	(D)	Orange	
73.	Amo	ng the following cations, which cation is	most	abundant in extracellular fluid ?	
	(A)	$Na^+$	(B)	K <sup>+</sup>	
	(C)	Ca <sup>2+</sup>	(D)	$Mg^{2+}$	
74.	"Inc	otropic effect" means -			
	(A)	Change of rate of contraction	(B)	Change of force of contraction	
	(C)	Regulation of conduction velocity	(D)	All of these	
75.	20 g	m NaOH dissolved in 500 ml of water. V	Vhat is	s the normality of solution?	
,	(A)			1(N)	
	` ′	2(N)	(D)	150(N)	
76.	Soat	o type surfactants are incompatible with		type surface active agents.	
,	(A)	Cationic	(B)	Anionic	
	(C)	Non -ionic	(D)	None of these	
77.	Acti	ive form of Levodopa is -			
<i>i i</i> •	(A)	Carbidopa	(B)	Dopamine	
	(C)	Epinephrine	(D)	Nor -adrenaline	
Dha		A TOTAL A TOTAL A LINEAR A LIN	- Married, Steam Steam of Steam of Steam of	a, mer sanda, mer sandarin, sandarin	

78.	The	purpose of Phase -I and Phase -II m	etabolism o	of drug to make the metabolite -		
	(A)	More polar	(B)	Less polar		
	(C)	More hydrophobic	(D)	Less hydrophilic		
79.	Wh	ich of the followings is a non-steroid	dal estroger			
	(A)	Ethinylestradiol	(B)	Mestranol		
	(C)	Tibolone	(D)	Stilbestrol		
80.	Spe	cific Benzodiazepine antagonist is -		u jegy <sup>f</sup> is gelege og 1984. Halanda halanda		
	(A)	Flumazenil	(B)	Fludrocortisone		
	(C)	5 -Fluorouracil	(D)	Flutamide		
81.	Whi	ch sulfonamide is used topically for	burn case?	ing a series of the series of		
	(A)	Sulfacetamide	(B)	Sulfamethoxazole		
	(C)	Sulfasalazine	(D)	Silver sulfadiazine		
82.	In io	dometric titration which indicator is	used?	e de la companya de l		
	(A)	Bromothymol blue	(B)	Soluble starch		
	(C)	Phenol red	(D)	Ferroin indicator		
83.	In Limit Test for iron, citric acid is mixed because it -					
•	(A)	maintain pH				
	(B)	prevent precipitation of iron with a	mmonia			
	(C)	acts as oxidant		Namo os viejskam oskos sekistorije i izvije		
	(D)	reduces surface tension				
84.	Regu	lations and standards for ophthalmic	ointments	and solutions is specified in -		
	(A)	Schedule -M	(B)	Schedule -FF		
	(C)	Schedule -O	(D)	Schedule -P		
Phar	macy		13	A		

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Pha	rmacy	14		
	(C)	Copper T	(D)	Condom
	(A)	Cream	(B)	Foam tablet
92.	The	popular intrauterine contraceptive device	e is -	
	(0)	Damoi jino dold	(-)	
	(A) (C)	Ethacrynic acid	(D)	Pantothenic acid
71.	(A)	Clavulanic acid	(B)	Hexadecanoic acid
91.	Whi	ch one is penicillanase enzyme inhibitor	r 7	
	(C)	Tolu balsam	(D)	Codeme
	(A)	Glycyrrhizin	(B)	Codeine
90.		ch one is the addicting antitussive?	(D)	Vasicine
	(C)	Azadirachtin	(D)	Zidovudine
	(A)	Acyclovir	(B)	Amantadine
89.	Whi	ch one is the mood elevator?		
	` /			
	(C)	Chelation	(D)	Oxidation
	(A)	Conjugation	(B)	Hydroxylation
88.	Tetra	acycline group of drugs is contra-indicat	ed with	milk and milk products due to -
	(C)	Kipp's apparatus	(D)	Deionizer
	(A)	Gutzeit apparatus	(B)	Nessler cylinder
	-	maceuticals?	(T)	
87.		imit test of arsenic, which instrum	ent is	used to detect the impurities in
	(C)	1,3,7 - Trimethyl xanthine	(D)	1,7 - Dimethyl xanthine
	(A)	3,7 -Dimethyl xanthine	(B)	1,3 -Dimethyl xanthine
86.		eine is -		
	(C)	Methionine	(D)	Cystine
	(A)	Glycine	(B)	Phenyl Alanine
85.	The	amino acid having no chiral carbon is -		

93.	Which one of these antihistaminic is used as appetite stimulant?			
	(A)	Promethazine Hydrochloride	(B)	Cyproheptadine
	(C)	Fexofenadine	(D)	Pheniramine maleate
94.	The ratio of sulphamethoxazole and trimethoprim in cotrimoxazole is -			
	(A)	2:5	(B)	3:5
	(C)	1:5	(D)	5:1
95.	Pore	size of bacteria proof filter is -		•
	(A)	0.5 μm	(B)	1 μm
	(C)	0.2 μm	(D)	0.75 μm
96.	W/b;	ch one is the prokinetics?		
<i>7</i> 0.	(A)	Levosulbutamol	(D)	Levocetrizine
	(C)	Levodopa	(B)	Levocetrizine
	(0)	Levodopa	(D)	Levosuipinde
97.	Rock	nelle Salt is -		
	(A)	Potassium sodium tartarate	(B)	Antimony potassium tartarate
	(C)	Antimony sodium tartarate	(D)	Potassium permanganate
98.	Brine	e is a concentrated solution of -		
	(A)	Sodium hydroxide	(B)	Sodium chloride
	(C)	Potassium chloride	(D)	Potassium carbonate
99.	Amber coloured ampoules are used for -			
	(A)	Hygroscopic substances	(B)	Light sensitive substances
	(C)	Oxygen sensitive substances	(D)	All of these
100.	Hand	lerson Hasselbatch equation is related to -		
	(A)	Buffer solution	(B)	Dissolution rate
	(C)	Osmotic pressure	(D)	Absorption
	` '	<b>r</b>	()	

# JELET-2021 SPACE FOR ROUGH WORK

Pharmacy

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