Vishnupur, Narsapur, Medak District - 502 313

GPAT COACHING PROGRAMME-2023

SCHEDULE OF THE TRAINING PROGRAMME

S.No.	Date	Name of the staff	Subject	No. of hours taken	Amount paid (Rs.)
1	08.06.2022	Dr. Nagarjuna	Pharmacology	6	34000
2	09.06.2022			6	
3	18.12.2022	_	Dharmanutia	6	
4	19.12.2022	-		6	
5	20.12.2022			6	
6	21.12.2022			6	
7	09.01.2023	Dr. Venkata rao	Pharmaceutics	7	48000
8	10.01.2023			7	
9	11.01.2023			7	
10	12.01.2023			7	
11	25.02.2023			7	
12	27.02.2023			7	
13	28.02.2023			7	
14	03.03.2023	Dr. Lavudu		6	24000
15	04.03.2023		Ä'	6	
16	05.03.2023			6	
17	12.03.2023			6	
18	16.04.2023			6	
19	17.04.2023			6	
		TOTA	AL.		1,06,000

> 3000 collected from each student.

> 18 members registered for this programme.

Money collected from students-54000 (18*3000).

Principal

Signature of the GPAT coordinator

VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH Narsapur, Medak Dist. 502313

GPAT Model Exams

Ac.Yr. 2022-23

S.No.	Name of the subject	Date
1	Ph. Organic chemistry	20.08.2022
2	Pharmaceutics (Suspensions & Emulsions)	23.09.2022
3	Pharmaceutics (Semisolids)	27.10.2022
4	Pharmacology	18.11.2022
5	Pharmacognosy	15.12.2022
6	Biotechnology	23.01.2023

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VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION&RESEARCH VISHNUPUR, NARSAPUR, MEDAK Dt-502313

GPAT (2023) Practice Exam - VI

Subject

: Bio technology

c) both virus and bacteria infected cells

Time

: 1hr

Date

: 23.01.2023

Name

Regd No:

		BIG)TEC	HNOLOGY		
1.	Hybridoma technolog	gy is used to produc	ce			**
	a) Monoclonal antib			b) Polyclonal and	tibodies	
	c) both monoclonal a		odies	d) B cells		
2.	Ames test is used to o					
	a) the mutagenicity o	f a chemical		•	nogenicity of a ch	nemical
	c) both mutagenicity	y and carcinogenio	city of a	chemical d) toxic	city of a chemical	*
3.	The bacteria known t	o be naturally com	petent f	or transformation of	of DNA is	
	a) Escherichia coli	b) Bacillus subtili	is	c) Mycobacteriu	m tuberculosis	d) Yersinia pestis
4.	Antibiotic resistance	marker that CANN	OT be	used in a cloning v	ector in Gram ne	gative bacteria is
	a) Streptomycin	b) Ampicillin		c) Vancomycin	d) Kan	amycin
5.	Program used for ess	entially local simil	arity sea			
	a) BLAST	b) Ras Mol	At .	c) ExPASY	d) SW	ISS-PROT
6.	Peptidyl transferase a	activity resides in				
	a) 16S rRNA	b) 23S rRNA		c) 5S rRNA	d) 28S	rRNA
7.	In transgenics, altera					
	P. Substitution	Q. Deletion	R. Inse		rangement	1.0
	a) P and Q	b) P, Q and R		c) Q and R	d) R ar	nd S
8.	During transcription				•	
	a) DNA Gyrase intro	duces negative sup	ercoils	and DNA Topoiso	merase I removes	negative supercons
	b) DNA Topoisomer	ase I introduces ne	gative s	upercoils and DNA	A removes negative	e supercons
	c) both DNA Gyras	e and DNA Topoi	somear	se I introduce neg	gative supercous	
	d) both DNA Gyrase			l remove negative	supercoils	2
9.	Under stress condition	ons bacteria accum	ulate	G (G :		
	a) ppGpp (Guanosin		b) ppp	Gpp (Guanosine p	entaphosphale)	
	c) both ppGpp and p			er ppGpp or ppp	G pp	
10.	An example for temp)NA po			
	a) DNA Polymeraso			b) RNA polyme		
	c) Terminal deoxynu	icleotidyl transfera	se Tulialara	d) DNA polyme		
11.	Which one of the fol			g to the domain of	d) Methanobac	terium
	a) Cyanobacteria	b) Proteobacteria	l	c) Bacteroids	u) Methanobac	ionam
12.	Inteferon -β is produ			h) winne infector	ط مماله	
	a) bacteria infected			b) virus infectedd) fungi infected		
	c) both virus and bac	cteria infected cells		a) fungi intecte	G CC118	

13. A culture of bacteria is infected with bacteriophage at a multiplicity of 0.3. The probability of a single cell infected with 3 phages is

a) 0.9
b) 0.27
c) 0.009
d) 0.027

14. A neonatally thymectomized mouse, immunized with protein antigen shows

a) both primary and secondary responses to the antigen
c) delayed type hypersensitive reactions
b) only primary response to the antigen
d) no response to the antigen

15. Lymphocytes interact with foreign antigens in

a) Bone marrow
b) Peripheral blood
c) Thymus
d) Lymph nodes

10	6. Somatic o	cell gene transfer is use	ed for				
		enic animal production		ansgenic diploid cel	ll nroductio	n	
	R. in-vitro	o fertilization		assical breeding of			
	a) P,R and	d S b) P, Q aı	nd R	c) P and R	d) P only		
17	7. Accession	n number is a unique ic		ssigned to a	u) i only	'	
	a) single (database entry for DNA	A / Protein	b) Single databa	ase entry fo	r DNA only	
		database entry for Prote		d) multiple data	base entry	for DNA / Protein only	
18		l Sequence Tag is defin		-,pro data	ouse only	for DNA / Protein only	
	a) a parti	al sequence of a codo	n randomly s	elected from cDN.	A library		
	b) the char	racteristic gene expres	sed in the cell		- Indiany		
	c) the prot	tein coding DNA seque	ence of a gene	;			
	d) unchara	acterized fragment of I	NA presence	in the cell			
19	. In a chem	ostat operating under	steady state,	a bacterial culture	can be gro	own at dilution rate hig	ha
	THE RESERVE	main growth rate by				at difficient face mg	IICI
		cell recycling	b) usi	ng sub-optimal ter	nperature		
•	c) pH cycl	_	d) sub	strate feed rate cvc	ling		
20.	During lac	tic acid fermentation,	net yield of A	TP and NADH per	mole of glu	cose is	
	a) 2 ATP a	and 2 NADH b) $2 \text{ A}'$	TP and 0.NAI	OH c) 4 ATP and	2 NADH	d) 4 ATP and 0 NAD	Н
21.	Identify the	e enzyme that catalyze	s the following	g reaction		,	
	α – Ketogi	lutarate + NADH + NF	$H_4^+ + H^+ \xrightarrow{\gamma}$	Glutamate + NAD	+ + H ₂ O		
	a) Glutam	ate synthetase		tamate oxoglutarate	_	sferase	
	c) Glutame	ate dehydrogenase	d) α- l	etoglutarate deami	nace		
22.	The degree	of inhibition for an	enzyme catal	vzed reaction at a	particular	inhibitor concentration	:-
		or minute substrate ce	oncentration.	The inhibition follow	ws.	minoror concentiation	IS
	a) competit	tive inhibition		ed inhibition			
		etitive inhibition	d) non	competitive inhibit	ion		
23	Oxidation r	reduction reaction with	positive stan	dard redox potentia	$I(\Delta E^0)$ have	e	
	a) positive	$\Delta G''$ b) negative	ΔG^0	c) positive ΔE^0	ď	negative AE ⁰	
24.	Nuclease –	hypersensitive sites in	the chromoso	mes are sites that a	ppear to be	, 5 22	
	a) H2 and H	14 histone free	b) H1	and H2 histone fre	e		
		I4 histone free	d) Nuc	eosome free			
	***		cross – links l	etween adjacent gl	ycan chains	s in cell wall synthesis	is
	a) TransglyTranspeptid	ation	b) Autoglyc	,	opeptidatio	•	
26.	Determine the	he correctness or other	wise of the fo	llowing Assertion (a) and the I	Reason (r)	
	Assertion:	Somatic embryogene followed by embryo	esis in plants	is a two step proce	ess compris	ing of embryo initiatio	n
	Reason:	Embryo initiation is whereas embryo producid.	independent duction requir	es a nigh concentra	of 2, 4-dick ation of 2,	hlorophenoxyacetic aci 4-dichlorophenoxyaceti	d c
1	a) both (a) ar	nd (r) are true and (r) is	s the correct r	eason for (a)			
١	b) both (a) ar	nd (r) are true and (r) i	s not the corre	ect reason for (a)			
(c) (a) is true	but (r) is false		. ,			
(d) (a) is false	but (r) is true					

27. An immobilized enzyme being used in a continuous plug flow reactor exhibits and effectiveness factor (η) of 1.2. The value of η being greater than 1.0 could be apparently due to a) substrate inhibited kinetics with internal pore diffusion limitation b) external pore diffusion limitation c) sigmoidal kinetics d) unstability of the enzyme 28. A roller bottle culture vessel perfectly cylindrical in shape having inner radius (r) = 10 cm and length (I) =20 cm was fitted with a spiral film of length (L) = 30 cm and width (W) – 20 cm. If the film can support 10⁵ anchorage dependent cells per cm², the increase in the surface area after fitting the spiral film and the additional number of cells that can be grown respectively are a) 1200 cm^2 and 12×10^7 cells b) 600 cm^2 and $6 \times 10^7 \text{ cells}$ c) 600 cm² and 8300 cells d) 1200 cm² and 8300 cells 29. Determine the correctness or otherwise of the following Assertion (a) and the Reason (r) Assertion: MTT assay is used to determine cell viability based on the principle of colour formation by DNA fragmentation. MTT assay is used to determine cell viability based on the colour development by Reason: converting tetrazolium soluble salt to insoluble salt. a) both (a) and (r) are true and (r) is the correct reason for (a) b) both (a) and (r) are true and (r) is not the correct reason for (a) c) (a) is true but (r) is false d) (a) is false but (r) is true 30. Match the following antibiotics in Group I with their mode of action in Group II Group I Group II P. Chloramphenicol 1. Binds to DNA gyrase Q. Norfloxacin 2. Binds to RNA Polymerase R. Puromycin 3. Inhibits peptidyl transferase S. Rifampicin 4. Mimics aminoacyl-tRNA a) P-1, Q-3, R-2, S-4 b) P-3, Q-1, R-2, S-4 c) P-3, Q-1, R-4, S-2 d) P-4, Q-2, R-3, S-1 31. Match the chemicals in Group I with the possible type / class in Group II Group I Group II P. Picloram 1. Vitamin Q. Zeatin 2. Auxin R. Thiamine 3. Amino Acid S. Glutamine 4. Cytokinin a) P-2, Q-4, R-1, S-3 b) P-4, Q-1, R-2, S-3 c) P-3, Q-1, R-2, S-4 d) P-4, Q-2, R-1, S-3 32. Match Group I with Group II Group I Group II P. Fibronectin 1. Uptake of amino acids and glucose Q. Insulin 2. Trypsin inhibitor R. α - Macroglobulin 3. Binds iron S. Transferrin 4. Cell attachment to substratum a) P-2, Q-1, R-4, S-3 b) P-3, Q-2,R-1, S-4 c) P-4, Q-2, R-1, S-3 d) P-4, Q-1, R-2, S-3 33. Match the promoters listed in Group I with the tissues listed in Group II Group - I Group - II P. α- Amylase 1. Endosperm Q. Glutenin 2. Tuber R. Phaseollin 3. Aleurone S. Patatin 4. Cotyledon a) P-3, Q-1, R-4, S-2 b) P-3, Q-4, R-1, S-2 c) P-4, Q-2, R-1, S-2 d) P-1, Q-3, R-2, S-4

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#.	34 Consider the following state were			
	34. Consider the following statements,	1.00		
	I. T4 DNA ligase can catalyze blunt	end ligation	n more efficiently than E.	Coli DNA ligase.
	II. The ligation efficiency of T4 DN a) only I is true b) both I and	A ligase cai	n be increased with PEG	
-		n are true	c) only II is true	d) I is true and II is false
	5. The turnover numbers for the enzyma) E1 binds to its substrate with high	es, El and	E2 ae 150 s' and 15 s' re	espectively. This means
	b) The velocity of reactions arts	ier arrinity	than E2	
	b) The velocity of reactions cata concentrations could be equal, if con	uyzea by centration o	El and E2 at their re	espective saturating substrate
	c) The velocity of E1 catalyzed react	ion is alway	vs greater than that of E2	t of E1
	d) The velocity of E1 catalyzed reac	ction at a na	erticular anarona concente	matter and a color
	The state of the state of the state of the	z catalyzed	reaction under the same of	conditions
3	6. Match the items in Group I with Gro	up II		onditions.
	Group I (Vectors)		Group II (Maximum D	NA Packaging)
	P. λ phage		1. 35-45 kb	in in a chaging)
	Q. Bacterial Artificial Chromosomes	(BACs)	2. 100-300 kb	
	R. P1 derived Artificial Chromosome		$3. \le 300 \text{ kb}$	
	S. λ cosmid	. ,	4. 5-25 kb	
	a) P-3, Q-4, R-1, S-2 b) P-1, Q-	3, R-2, S-4	c) P-4, O-3, R-2, S-1	d) P-1 O-2 P-3 S 4
37	. Match the items in Group I with Grou	ıp II	, , (+, -, -, 5 ;	d) 1-1, Q-2, K-3, 5-4
	Group I	Group I	I	
	P. Staphylococcus aureus	1. Biofil	ms	
	Q. Candida alţicans	2. Bacter	riocins	
	R. Mycobacterium tuberculosis	3. Methi	cillin resistance	
	S. Lactobacillus lactis	4. Isonia	zid	
	a) P-1, Q-4, R-2, S-3 b) P-2,Q-3	, R-1, S-4	°c) P-3, Q-1, R-4, S-2	d) P-1, O-2, R-4, S-3
38	. A mutant G_{α} protein with increased G	TPase activ	ity would	-,, \(\sigma \) = 1, \(\cdot \) = 1, \(\cdot \) = 1, \(\cdot \)
	a) not bind to GTP b) not bind to G	DP c) she	ow increased signating	d) show decreased signaling
39	Bizygotic twills are connected to a sin	gle placenta	during their embryonic	development. These twins
	a) have identical MHC naplotypes	b) have i	dentical T _H cells	i and a made of the made
40	c) have identical T cells	d) can acc	cept grafts from each other	er (both (A) and (B))
40.	The dissociation constant K _d for ligan	d binding to	the recentor is 10^{-7} M	The concentration of ligand
	required for occupying 10% of recepto	rs is		<u> </u>
41		c) 10 ⁻⁸ M		1.
41.	Receptor R is over expressed in CHO with its radioactive ligand (specific and	cells and a	inalysed for expression.	6 ×10 ⁷ cells were incubated
	with its radioactive ligand (specific act pellet was 1000 cpm, the average nur receptors with ligand and one ligand by	ivity 100 co nher of rec	ounts per picomole). If the	e total counts present in cell
	The state of the state of the search of the	nds to one i	eceptors R per cent is (assi	ume complete saturation of
	a) 10 ⁻³ b) 10 ⁻³	c) 10^6	d) 10^{7}	
42.	A cel has five molecules of a rare mile	NA. Each	call contains 4 105 P	NA molecules How many
	order one will need to screen to have	99% proba	ibility of finding at least	one recombinant cDNA of
	me mid and making colver no	nary from s	uch cell?	VI VI
42	a) 4.50×10^5 b) 3.50×10^5	c) 4.20×1	0^5 d) 4.05×10^5	
43,	Match the products in Group I with production.	the microl	pial cultures in Group I	I used for their industrial
	Group I	Group II		ď.
	P. Gluconic acid	_	stoc mesenteroids	
	Q. L-Lysine	2. Aspergil		

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17	R. Dextran		3 Provibactori	a	
G-	S. Cellulase		 Brevibacteri Trichoderma 		
	a) P-2, Q-1,	R-3, S-4 b) P-	103 04 05	V (4000 50)	
44.	Determine th	ne correctness or otherw	ise of the following	c) P-2, Q -3, R-1, S-4 Assertion (a) and the Re	d) P-3,Q-2,R-4, S-1
	Assertion:	Cytoplasmic male steri	lity (cms) is inverig	Assertion (a) and the Re	eason (r)
	Reason:	cms plant.	y poninating a fert	bly due to defect(s) in midlity restoring (Rf) plant w	tochondrial function. vith pollen from a non
	a) both (a) ar	nd (r) are true and (r) is t	he correct reason for	nr (a)	
	o) both (a) ar	id (r) are true and (r) is i	10t the correct reason	n for (a)	
	c) (a) is true l	but (r) is false	on our reason	11 101 (a)	
	d) (a) is false	but (r) is true			
	rate constant	for how long should 1m = 0.23/min) to achieve a	3 modium to 1	follows first order kinet and the final acceptable at temperature of 120° (ics. If the initial cell e contamination level (thermal deactivation
	a) 48 min	b) 11 min	c) 110 min	d) 20 min	
40.	True breeding	Drosophila flies with c	urved wings and da	d) 20 min rk bodies were mated with	h true breeding short
	The F Iproger wings tan bod	ny was again allowed to y, 15 short wings tan bo	brood and	rk bodies were mated wit served to be with curved d flies of the following p s dark body and, 6 short w	wings and tan body.
	The mode of	inheritance is	-5, - v can rea wing.	s dark body and, 6 short v	vings dark body.
4	a) Typical Me	endelian with curved w	ings and tan hody	haina damin	
3.5	y Typicai non	-Mendenan with curved	wings and tan had	y not following any patter	
	y interitationali v	viui suppression of pher	otypes	not following any patter	'n
C	l) Mendelian v	vith single crossover	erer . In the		
47. N	Match Group I	with Group II			
	Group I		^A Group I	Ī	
	P. Real Tir	ne – PCR	1. Biochi		
	Q. 2-D Ele	ctrophoresis	2. Syber	-	
		chromatography		dy linked sephrose beads	
	S. Microard		4 Amphe	oy mikeu sephrose beads	•
a)	P-1, Q-2, R-4	, S-3 b) P-2, Q-,3 R-4,	SI ADAG	William St. S.	20.21.01
Α	culture of Rh	izobium is grown in a cl	nemostat (100 3 L	oreactor). The feed conta	Q-2, R-1, S-4
40 W	for the organ	ism is 0.2 g / L and μ_{m} =	= -/3 h ⁻¹ .	oreactor). The feed coma	ins 12 g/L sucrose,
48. II wi	ie flow rate re	equired to result in stea	dy state concentrati	ion of sucrose as 1.5 g/ I	in the bioreactor
	15 m ³ h ⁻¹	b) 26 m ³ h ⁻¹	c) 2.6 m ³ l	n ⁻¹ d) 150 m	3 h-1
			nd steady state cell	d) 150 m concentration in the biore	actor is 4 g / L the
	2 g/ L	b) 8 g / L	c) 4 g/L	d) 6 g / L	
			e is 30 Å. It is perm	d) 6 g / L leated by a protein which	is a right handed
50. Th	e number of c	c-helical turns permeatir	ng the membrane is		
а):	o.o turns	b) 3.5 turns	c) 6.5 tumo	4) 5.0 +	
51. The	e number of ar	mino acid residues prese	nt in the protein is	d) 5.0 turi	ns
a) 1	5	b) 18	c) 17	d) 20	
					15

	The standard redox constant is 96.48 kJ	potential values for two had V^{-1} mol ⁻¹ and Gas constant	If – reactions, are given belt R is $8.31 \text{ J K}^{-1} \text{ mol}^{-1}$.	ow. The value for Faraday's
	$NAD^+ + H^+ + 2e^- \leftrightarrow I$	NADH	-0.315 V	
	$FAD + 2H^+ + 2e^- \leftrightarrow H$	FADH ₂	-0.219 V	
52.	The ΔG^0 for the oxidence	lation of NADH by FAD is		
	a) -9.25 kJ mol ⁻¹	b) -103.04 kJ mol ⁻¹	c) +51.52 kJ mol ⁻¹	d) -18.5 kJ mol ⁻¹
53.		ven K _{eq} as 1.7, at 23 ⁰ C will	be	
	•	b) -19.8 kJ mol ⁻¹	c) +52.82 kJ mol ⁻¹	
	During bioconversion fermentation broth v 52.2, 49.2, 52,4, 49.1	vere analyzed for citric aci	d by Aspergillus niger find content. The results (in	al samples of 6 batches of g/L) were found to be 47.3,
54.	The mean value of a	cid concentration will be		
	a) 49.4	b) 51.0	c) 48.2	d) 50.8
55.	The standard deviation	on for the above results is	,	-,
	a) 2.49	b) 3.0	c) 1.84	d) 5.91
56.	Which of the followi	ng options is the closest in	meaning to the word below	
	Circuitous			
	a) Cyclic	b) indirect	c) confusing	d) crooked
57.	The question below of that best expresses the	consists of a pair of related e relation in the original pa	words followed by four pair.	irs of words. Select the pair
	Unemployed: worke		•••	
		b) unaware: sleeper	c) wit : jester	d) renovated : house
58.		ropriate work from the opti-		
	If we manage to	our natural resources	, we would leave a better p	anet for our children.
	a) uphold	b) restrain	c) cherish	d) conserve
59.	Choose the most appr	ropriate word from the optim	ons given below to complet	
	His rather casual rem	arks on politics h	is lack of seriousness abou	t the subject.
	a) masked	b) belied	c) betrayed	d) suppressed
60.	25 persons are in a rohockey and football.	oom. 15 of them play hock Then the number of persons	ey, 17 of them play footba playing neither hockey no	Il and 10 of them play both
	a) 2	b) 17	c) 13	d) 3
	Chemical agents that exist people in militar	do their work silently apports of their work silently apports who think	ear to be suited to such wa that chemical agents are us	sion of civilian populations. rfare; and regretfully, there seful tools for their cause.
	a) Modern worfore he	ng statements best sums up	the meaning of the above p	assage:
	c) Use of chemical ac	s resulted in civil strife.	b) Chemical agents are use	tul in modern warfare
		ents in warfare would be ur		
	u) i copie in inintary	establishments like to use	cnemical agents in war.	

Narsapur, Medak Dist. – 502313

ATTENDENCE LIST-GPAT 2023

Subject: Biotechnology

Date: 23.01.2023

Students Attendance & Marks Sheet

S.No.	Roll No.	Name of the Student	Signature
1	19DH1R0026	GANTAMOINA HARSHITHA	Hotshiftal
2	19DH1R0028	HADNOOR MAHESH	Mahesh
3	19DH1R0030	JEEDIMETLA SHIVANI	hivant
4	19DH1R0041	KUMMARI SRILATHA	Srilatha
5	19DH1R0050	MIRAJDAR VAISHNAVI	Voishy
6	19DH1R0051	MOTHUKURI RISPACHELSI	Rispachels
7	19DH1R0054	NAKKA CHANDANA	Chay
8	19DH1R0057	NAREGUDAM SAI KIRAN	Saiz
9	19DH1R0061	NOOR SULTANA	Moox
10	19DH1R0063	PATHLOTH ARUNKUMAR	Area
11	19DH1R0074	PURIMITLA RAJYALAKSHMI	Rajyalakshni
12	19DH1R0081	R PRADEEP	Prodect
13	19DH1R0083	RUDRARAJU AISHWARYA	Arshw.
14	19DH1R0094	SUSHRI SAINA SAR	(Boling)
15	20DH1R0009	AVUSULA SOWMYA	Somme
16	20DH1R0094	THARAKA BHARATH	Bharath
17	20DH1R0096	VANJARI INDUMATHI	Clay

Signature of the GPAT coordinator

VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION&RESEARCH VISHNUPUR, NARSAPUR, MEDAK Dt-502313

GPAT (2023) Practice Exam – V

: Pharmacognosy

Subject

Tim	e :1hr			Date	: 15.1	2.2022	
Nam	ie :			Regd	No:		
	8						
1.	The synonym of Lactose					()
	The second second	•	ar c) Crys	talline sugar	d) Pure	sugar	ă
	sapgol seeds are adulterate	d with:				()
	/	b) Plantagola					
	-/	ď) Plantagop	ysllium			7	A .
	Rhubarb belongs to the fam		\		d) Labiat	.30	T
		b)Leguminos		yanaceae	u) Labiai	ac I	١
	Drug is not under the class o		rug	s d) Gu	mc	,	,
	a) Leaves b) flowe		c) Fruit	s u) Gu	1115	1	1
	The synonym for 'Sesame o	 -\	.:1	c) Maize oil	d) (Singally oil	,
_		b) Margosa o		•	u, c	(1
	Which of the following oil is	b) Linseed oi	le of only f	c) Castor oil		d) Jojoba o	il ,
	**/	b) Linseed or	•	c) castor on		., •0,0	.)
7.	Acid value is defined as a) Number of milligram of pe	ataccium hyd	rovide ren	uired to neutra	alize one gr	am of fat o	r oil
	b) Number of gram of potas	cium hydroxi	de ^f require	d to neutralize	one gram	of fat or oil	
	c) Number of Kilogram of pe	ntassium hyd	roxide rea	uired to neutra	alize one gr	am of fat o	r oil
	d) Number of ml of potassiu	m hydroxide	(5N) requi	red to neutrali	ze one gran	n of fat or	oil
8.	The test not used as an anal	vtical parame	eter for oil			. ()
	a) Acetyl value b) Acid		c) Hydi	oxyl value	d) I	Cetone valเ	ue
	Ara A is obtained from			•		()
	a. marine b. plant		imal	d. mi	neral		
	Colophony comes under the					()
	a. tannins b. alkalo		c. vola	tile oils	d. resins	;	
11.	Physostigmine acts on				•	()
	a. CNS	b. ANS	c. CVS		d. diges	tive system	า
12.	Official drug of cassia					()
	a. cassia obovata b. cass	ia angustifoli	а	c. cassia auri	culata	d. cassia (
13.	Adulterant of nux vomica					(.)
	a. strychnousnuxblanda		rychnousv				
	b. strychnousperikensis		rychnousn	nicrantha		,	,
14.	Mucilages are products					()
	a. pathological	b. physiolog	ical c. non	pathological	d. deri	vea ,	`
15.	Capsicum belongs to				[k]	lucara) rin
	a. oleo resin	b. oleo gum	resin	c. balsam		d. glycores	\ \
16.	Method of collection of bar			_1 _ 10	of the abo	1	J
	a. felling b. uprooting		ppicing	a. all	ioi the abo	ve /	١
17.	Colchicum is propagated from			ore	d. offse	te (,
	a. corms d. suck	ers	c. runi	iers	u. onse	to.	

							720	(4)
	7	Phytohormones used for breal a. auxins b. cytokini		rophyll c. glibbereli	ns	d. ethylene	()
1	9.	a. auxins b. cytokini Which of these method is used		_	113	u. c,	()
		a. tray drying b.	spray drying	c. vaccum d	rying	d. none	ž.	ŭ.
2	20.	Percentage of moisture preser a. NMT 10 b. NMT 5	nt in digitalis	d. NMT 8	d. NMT	15	()
2	1	a. NMT 10 b. NMT 5 lpecac belongs to		u. IVIVII O	G. WWW	13	()
-		a. emetic b. anti dep	pressant	c. la	axative	d. carminative	0	100
2	22.	The drug belongs to clavicipita				d +	()
_		a. datura b. liquorio Externally cardamom seeds ha		c. e	rgot	d. tragacanth	ı	1
4	23.	a. lichens b. rugae	23	c. wrinkles		d. lines	10 €	
2	24.	Number of vittae present in di	ill				()
		a. 10 b. 4	c. 12	d. 6	5		ĩ	١
2	25.	Oil used in dysurea	. sandal wood	منا د اد	emongrass o	il d. none	Å	1
•	26	a. peppermint oilb.Saigon cinnamon is obtained f		011	- IIIOIIBI WSS C		()
•	۷٠.	a. cinnamomumzeylanicum	b. cinna	momumbo				
		c. cinnamomum cassia	d. cinna	momumoff	icinalis		,	:30
2	27.	Insecticidal drug	ver oil c. citror	دااء	d. fenn	el	3	J
	28	a. agar b. shark II The drug belongs to liliaceae f		ielia	u. iciiii		()
•			. ginseng	d. strophan	ithus			
:	29.	The viscosity of traganth is du		2011 Dec 2011 A 2			()
	20	a. Hydroxyl groups b. metho	See and a second	c. phenolic	group	d. none	1	}
	30.	Chemical used for testing oxida. Benzedine b. PDAB	c. potas		mate	d. sodium phos	phat	te
	31.	Agar is obtained from	Ar.				()
			. red algae				,	¥
	32.	The byproduct of maize starch a. Corn oil b. cornsteep liquo			iture medidi gluten	n for antibiotics	,	1
	33.	Artifical invert sugar, adultera		,	-		()
		a. Borntragers test b. legal te		wski test	d. fiehe	es test	,	
	34.	The toxic principle present in		d. recinine			()
	25	a. Ricin b. resene c Botanical name of kokum but	. lipase ter	a. recinine			()
	JJ.		umindicum	c. cartham	ustinctorius	d. non	е	
	36	Cotton seed oil is identified b				I I I I I I I I I I I I I I I I I I I	()
	^-	a. Kreis test b. halphens test	c. mure		d. gold	beater skin test	1	١
	3/.	Lipid used as ingredient of pa a. Carnauba wax b. bees w		d. '	wool fat		1.00	,
	38	Spermaceti is obtained from					()
		a. Hog b. sperm		c. honey co		d. fish	7.5	,
	39	Extraction method used for v				d. all the above	()
	<u>۸</u> ೧	a. Hydrodistillation b . Volatile oil nutmeg is present	o. eculle in	c. enfluera	5 [℃]	a, an the above	()
	70		o. bark	c. root		d. leaf	61	7.2
	41	. Swelling factor of ispagol seed				1 4446	()
). 3-4	c. 10-13		d. 14-16	ſ	1
	42	. umbelliferous drug	o. myrobalan	C. (clove	d. menthe	X.	1
		u. (cilici	,	-				

	. Tr	ne qua	antitati	ve valı	ıes deteri	mined for	the ide	ntification of le	af druas	remain	cor	stant
	th	rough	out the	e age o	of the pla	nt EXCEP	Γ		50		1)
	a.	Stom	natal nu	ımber				in islet number			1	,
	c.	Vein	termin	ation r	umber		d. Sto	matal index				
44	. Di	ried st	igma d	of Croc	us sativu:	s contains	severa	l constituents.	One of t	he imno	tani	+
	CO	nstitu	ent is							mipo	1)
	a.	Picro	crocin	b.	Picroside	c. Pici	rasmin	d. Gymnemic	acid		'	,
45	. cit	ral is	preser	it in					dela		1	1
		citror			b. s	pearmint		c. clove		d. lemo	יו אחרו	<i>)</i> aal
46	. Bio	ologic	al sour	ce of c	love						1	1
	a.	Euge	nia car	yophyl	lus b. E	ugenia pl	exuosus	c. carumcar	/i d. ane	thumara	VAN	<i>)</i> lenc
47	. Ту	pe of	trichor	nes pr	esent in e	eucaplytus	leaves		. ar anc	citatingic	1)
	a.	cover	ing	b.	glandula			ering and gland	dular	d. abse	nt	,
48					ed from			3		4. 4550	()
		fruits		eaves		c. frui	ts	d. flo	ves			,
49.			in lep								()
			carpus		b. ci	itronella		c. lemon gras	s	d. dill	`	,
50.			a belon								()
	a.	gum		b.	mucilage		c. oil	d. lipi	d		•	•
	4											
	1.											
	2.											
	3.	Α										
	4.	D										
	5.	В										
	6.	Α										
	7.	Α	\$									
	8.	D										
	9.											
	10.						#				, in	
	11.											
	11. 12.											
	13.											
	14.											
	15.											
	16.	D										
	17.	Α							181			
	18.	В										
	19.	В										
	20.											
	21. <i>.</i>											
	22.											
	23.											
2	24. (C -										
2	25. ⊦	В										
2	6. E	В										
	7. (
	8. /											
	0. 7 9 F											

(1)

1

30. A

31. a

32. b

33. d

34. a

35. a

36. b

37. a

38. b

39. d

40. a

41. c

42. a

43. d

44. a

45. d

46. a 47. d

48. c

49. a

50. a

ß

Narsapur, Medak Dist. – 502313

ATTENDENCE LIST-GPAT 2023

Subject: Pharmacognosy

Date: 15.12.2022

Students Attendance & Marks Sheet

S.No.	Roll No.	Name of the Student	Signature
1	19DH1R0026	GANTAMOINA HARSHITHA	Hatshithat
2	19DH1R0028	HADNOOR MAHESH	Mahesh
3	19DH1R0030	JEEDIMETLA SHIVANI	Lavañ
4	19DH1R0041	KUMMARI SRILATHA	Soilatha
5	19DH1R0050	MIRAJDAR VAISHNAVI	Vaigher
6	19DH1R0051	MOTHUKURI RISPACHELSI	Rispachelin
7	19DH1R0054	NAKKA CHANDANA	Charge
8	19DH1R0057	NAREGUDAM SAI KIRAN	(Sex
9	19DH1R0061	NOOR SULTANA	4000
10	3 19DH1R0063	PATHLOTH ARUNKUMAR	Arien
11	19DH1R0074	PURIMITLA RAJYALAKSHMI	Rajyalakshni
12	19DH1R0081	R PRADEEP	Prodect
13	19DH1R0083	RUDRARAJU AISHWARYA	Arshio
14	19DH1R0094	SUSHRI SAINA SAR	Cospa
15	20DH1R0009	AVUSULA SOWMYA	Soverya
16	20DH1R0094	THARAKA BHARATH	Browath
17	20DH1R0096	VANJARI INDUMATHI	Buy

Signature of the GPAT coordinator

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VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION&RESEARCH VISHNUPUR, NARSAPUR, MEDAK Dt-502313

GPAT (2023) Practice Exam - IV

Subject	: Pharmacolog	y		
Time	: 1hr		Date	: 18.11.2022
Name	:		Regd No	
-				
1. All of the	following antibion	otics bind to the 50S subu	nit of the ribos	some thereby inhibiting proteinsynthesi
expe	ect	()		
	loramphenicol		Pencilline d	.Doxycycline
	okinetics of doxyo	•		()
	% bound by serur			4
		after oral administration	2.1	
		red by divalent cations, A	1 ³⁺ , and antaci	ds
	•	especially into the CSF		
	_	nibits DNA gyrase?		()
		ethoprim c.Chloran	-	.Ciprofloxacin
		d other β lactams is due to)	()
	odification of targ			
		n of drug to target PBPs	*	
	esence of an efflu	= -		
		iotics by β lactamase		
		cognised adverse effects o		pect ()
a.Hep		b.Peripheral neuropa	thy	
	obulbar neuritis	d.CNS toxicity		
	g fluoroquinolone			()
		ffective in the treatment o		
	-	profloxacin are predomina	•	
	-	profloxacin have long hal	•	
		ng cartilage in children les	ss than 18 year	rs of age
7. Vancomy				()
A.	-	nistered as it is poorly abs		
		t on the ribosome and inh	-	ynthesis
	-	is excreted by glomerular		
		o vancomycin are encoun	tered in about	10% of patients
	g the "azole" grou			()
	conazole has low	•		
	toconazole may b	<u> </u>		
	_	oes renal elimination		
	•	tion of ergosterol synthes	is by inhibition	n of fungal cytochrome P ₄₅₀ enzymes
9. The fluor	•			()
	-	d to patients with severe c	ampylobacter	infection
	•	dihydrofolate reductase		
	_	ainst gram positive organi	sms	
	_	reast feeding mothers		
10. Clindam	•			()
	iibits bacterial cel	-		
b.Is		~ •	in patients wi	th Valvular disease who are undergoing
	dental procedu			
c Pei	netrates through F	RBB into CSF well		

d. Works well against enterococci and gram negative aerobic organisms

()

c.Cefotaxime d.Cefaclor

Which of the following is a second generation cephalosporin

b.Cephalothin

11.

a.Ceftazidime

	WII	
-		
	its DNA symbol	()
	DIVI SVIIINEGIO	
	oactericidal for mycobactani	
	in appreciably protein 1	
	Regarding registeres to	
	Regarding resistance to antibiotics	
	and officialitieses cannot incerti-	()
	b.Macrolides can be inactivated by transferases	, ,
	c.Mutation of aminoglycoside hinding	
	c.Mutation of aminoglycoside binding site is its main med d. Tetracycline resistance is a marker for multidrug resistance.	chanism of resistant
//	d. Tetracycline resistance is a marker for multidrug resistant. Concerning toxicity of antibiotics	nce
	a Enamel dyentaris	
/	a.Enamel dysplasia is common with aminoglycosides b.Grey Baby Syndrome occurs with air	()
	b.Grey Baby Syndrome occurs with rifampicin use	
	c.A disulfiram like reaction can occur with macrolides	
4	d. Haemolytic anaemias can occur with macrolides Which of the following is considered to be a superior of the superior of the following is considered to be a superior of the superior of the following is considered to be a superior of the	
1	7. Which of the following is considered with sulphonamide use	
	a. Penicillin b. Chlander of the bacteriostatic?	
13	a. Penicillin b. Chloramphenicol c. Ciprofloxacin	40000
	a photolicin b is	d.Cefoxitin
19	a.z seconds b 20 minutes a s	()
15	- Burding dillisentic acousts 11 0.1	` '
100	a. Sodium hypochlorite is an effective following are true E	XCEPT
1	a.Sodium hypochlorite is an effective antiseptic for intact sk b.Potassium permanganase is an effective bactericidal agent c.Formaldehyde may be used to disinfective	cin ()
	c. Formaldahyda and an effective bactericidal agent	
	c.Formaldehyde may be used to disinfect instruments	•
20.	d.Chlorhexidine is active against gram positive cocci	
20,	Ciprofloxacin Ciprofloxacin	a
	a.Is a defluorinated analogue of nalidixic acid	()
		()
	c.Has no gram positive cover	
	d.Has bioavailability of 30%	
21.	Flucloxacillin	
- •	o Io in Co	
	a.Is ineffective against streptococci	()
	OHO GULVE MUSIFICE ONTON	• ,
	c.Blocks transpeptidation and inhibits peptidoglycan synthesis	S
22.	Aminoglycosides	
	a Have a 0.1	
	a. Have a β lactam ring	()
4	U.Can produce neuromusquier 1.1	
J	E 1111 2 VIASE Innibitous	
	d.Normally reach high CSF concentrations	
23.	Ribosomal resistant	
	2 Syluton resistance occurs with	4-
24.	a.Sulphonamides b.Penicillin c.Fluoroquinolones d.N	()
- т,	Regarding antivirals d. N	Macrolides
	a.Delvindine is a puellossi t	()
	b.Zidovudine (AZT) is a non nucleoside reverse transcriptase inhibitor (NR c.NRTIs activate HIV-1 reverse transcriptase in	TD
	C.NRTIs activate HIV 1	hibitor Alaman
	c.NRTIs activate HIV-1 reverse transcriptase in d.NRTIs require intravate disconnections.	morior (MMKII)
5.	and the life infraction is a second	C
	All of the following are true regarding metronidazole EXCEPT	form
	amenonidazole EXCEPT	()
		\ /

causes a metallic taste in the mouth t inhibits alcohol dehydrogenase J.It is used to treat gardnerella Which of the following disease caused by Chlamydia a. Syphilis b. Gonorrhea) c. Chancroid Allopurinol inhibits a. Azathioprine metabolism () b. Cyclosporin metabolism c.Cyclosporin absorption d. Azathioprine absorption 28. Antidote for acute morphine posoining a. Amantidine b.Stavudine c. Nevirapine d. Naloxone () 29. Which of the following drugs can stain soft contact lenses () a. Azithromycin b.Ciprofloxacin c.Rifampicin d. Streptomycin 30. Non-nucleotide reverse trancriptase inhibitor a. satvidine b. Nevirapine c. Indanivar d.all 31. Thymine is used in a. Scurvy b. Rickets c. Anaemia d. Beriberi 32. Pilocarpine is used in the treatment of a. UTI b.Glaucoma c. Asthama d.CHF 33. Short acting Barbiturate is a. Amobarbital b. Phnobarbital C.Pentobarbital d. Hexobarbital 34. Example for calcium chanenel blocker a. Enalapril b.Adrenaline c. Nefidipine d. Atenolol 35. Antiulcer drugs that can eradicate Helicobacter pylori a. Sucarlfate b. colloidal bismuth c. H2 blockers d. Anticholinergics 36. Ondansetron (Zofran) probably mediates its antiemetic effects by interacting with this receptor system a. serotonergic b. Cholinergic c. Muscarinic d. Histamine 37. Choose the correct statement from the following about α1- adrenergic receptor agonists a. Norepinephrine > isoproterenol > epinephrine b. Norepinephrine < epinephrine > isoproterenol c. Epinephrine ≥norepinephrine >> isoproterenol d. Epinephrine > isoproterenol > norepinephrine 38. Which one of the following pairs of drug indication is accurate () a. Amphetamine: Alzheimer's dementia b .Bupropion: Acute anxiety c. Fluoxetine: Insomnia d. Ropinirole:Parkinson's disease 39. Teratogenic vitamin is . () a. Vit.K b.vit A C.Vit C D. Vit.D 40. Bisacodyl frequently can cause a. Abdominal cramps (b) Constipation (c) Skin rashes (d) Diz ziness 41. Ethambutol is not used in children below 6 years of age because a. Young children are intolerant to ethambutol b. It is difficult to detect ethambutol induced visual impairment in young children c. In young children visual toxicity of ethambutol is irreversible d. Ethambutol causes growth retardation in young children 42. the most important complication of streptokinase therapy is ()a. Hypotension (b) Bleeding (c) Fever (d) Anaphylaxis 43. Which of the following can be used to antagonize the action of heparin in case of overdose a. Heparin sulfate b. Dextran sulfate c. Protamine sulfate d. Ancrod 44. Which one of the following statements best describes the mechanism of action of benzodiazepines ()a. Benzodiazepines activate GABA B receptors in the spinal cord b. Their inhibition of GABA transminase leads to increased levels of GABA

c. Benzodiazepines block glutamate receptors in hierarchical neuronal pathways

used to treat giardia

Department of the parin administration is

a. Oral

b. Subcutaneous c. Intramuscular d. Sublingual

The emetic action of morphine is due to

a. Irritation of gastrointestinal tract

b. Stimulation of cerebral cortex

c. Stimulation of medullary vomiting center

d. Stimulation of emetic chemoreceptor trigger

47. Tetracycline is stored in the body in

a. Protein bound form

b. In hairs, nails and skin

c. In muscular tissues

48. Chloramphonical is the body in

d. In bones

48. Chloramphenicol is the drug of choice in

a. Staphylococcal infection

b. Salmonella infection

()

c. Viral infection

d. Amoebic dysentery

49. The semisynthetic penicillin which is destroyed by acid is

a. Phenoxymethyl penicillin

b. Ampicillin

()

c. Carbenicillin
d. Coxacillin
output
d. Coxacillin
d. Coxacillin

a. Nalidixic acid

b. Fusidic acid

c. Spectinomycin

d. Nitrofurantoin

a.

()

Sub: Pharmacology-II MCQs – Answers

Date: 09-10-2015

d 1. 2. С 3. d 4. d

5. С 6. d

7. d 8. d

9. a

(10. b 11. d

> 12. b 13.

14. C

15. С 16. d

17. b

18. d 19. a

20. d

21. С

22. b 23. d

24. d

25. c

26. a 27. c

28. a

29. c

30. b

31. c 32. b

33. c

34.c

35. b

36. a 37. a

38. d

39. b

40. a

41. b

42.b 43.c

44.d

45.b

46.d

47.d

Narsapur, Medak Dist. - 502313

ATTENDENCE LIST-GPAT 2023

Subject: Pharmacology

Date: 18.11.2022

Students Attendance & Marks Sheet

S.No.	Roll No.	Name of the Student	Signature
1	19DH1R0026	GANTAMOINA HARSHITHA	Haufofkal
2	19DH1R0028	HADNOOR MAHESH	Maherh_
3	19DH1R0030	JEEDIMETLA SHIVANI	Cuarc
4	19DH1R0041	KUMMARI SRILATHA	Spilathon
5	19DH1R0050	MIRAJDAR VAISHNAVI	Voither
6	19DH1R0051	MOTHUKURI RISPACHELSI	Rispachelsi
7	19DH1R0054	NAKKA CHANDANA	do
8	19DH1R0057	NAREGUDAM SAI KIRAN	Say
9	19DH1R0061	NOOR SULTANA	2007
10	. 19DH1R0063	PATHLOTH ARUNKUMAR	Arcal
11	19DH1R0074	PURIMITLA RAJYALAKSHMI	Rajya Lakshru
12	19DH1R0081	R PRADEÉP	Rodeel
13	19DH1R0083	RUDRARAJU AISHWARYA	Dishon.
14	19DH1R0094	SUSHRI SAINA SAR	Barnal
15	20DH1R0009	AVUSULA SOWMYA	Sounger
16	20DH1R0094	THARAKA BHARATH	pharath
17	20DH1R0096	VANJARI INDUMATHI	Roel

Signature of the GPAT coordinator

VISHNUPUR, NARSAPUR, MEDAK Dt-502313

GPAT (2023) Practice Exam - III

Subject	: Fharmaceutics (Semisonus)						
Time	: 1hr	Date : 27.10.202	22				
Name	3	: Regd No:					
1) In the pr	reparation of ointments, macragols are	used as	()			
	(A) Water soluble base	(B) Hydrocarbon base					
	(C) Oleagenous base	(D) Absorption base					
2) List of H	ydrocarbon bases used in ointment pre	parations given below, EXCEPT:	()			
	(A) Petrolatum USP	(B) White ointment USP					
(C) Simple	ointment USP (D) Hydrophilic pet	rolatum USP					
3) List of al	osorption bases used in ointment prepa	_	()			
	(A) Hydrophilic petrolatum USP	(B) Hydrophilic ointment USP					
	(C) Lanolin	(D) Cold cream	1.5				
4) In the pr	eparation of ointments, water washabl		()			
	(A) Water removable bases	(B) Cosmetic creams					
	(C) O/W Emulsion	(D) All of the above	,	· .			
5) Which o	f the following ointment bases may also		(,			
	(A) Water removable bases	(B) Hydrocarbon bases					
a) 1 11 . 1	(C) Absorption bases	(D) Water soluble bases	,				
6) Lanolin i	s the trade name for	(D) Herdrana was I fat	(,			
	(A) Anhydrous wool fat	(B) Hydrous wool fat (D) Emulsified beeswax					
7) The miss	(C) Hydrous petrolatum ture of 30% water and 70% wool fat is a		1	1			
/) The mixi	(A) Emulsified wax	(B) Lanolin	,	1			
	(C) Arlacel	(D) Macrogol					
8) Which o	f the following ointment bases has signi		1)			
oj wilich o	(A) Hydrocarbon bases	(B) Water soluble bases	`				
	(C) Absorption bases	(D) Water removable bases					
9) The supe	erficial skin layer, stratum corneum may	• •	()			
57 The supe	(A) Horny layer	(B) Lucidum layer	19	· · ·			
	(C) Spinosum layer	(D) Basale layer					
10) Drug pe	netration through skin can be enhanced		icers,				
which are		•	()			
	(A) Water miscible organic solvents	(B) Anionic surfactants					
	(C) Emollients	(D) All of the above					

ľ	11) Abs	orption bases are also known as		()
		(A) O/W emulsion bases	(B) W/O Emulsion bases		
		(C) Greaseless bases	(D) Cosmetic creams		
	12) The	role of borax in cold cream is		()
	(A) Antir	nicrobial agent	(B) to provide fine particles t	o polish sl	kin
	(C) In - si	itu emulsifier	(D) Antioxidant	•	
	13) Gels	often contract on standing and same of the	e interstitial liquid is squeezed o	out.	
		enomenon, called		()
	_	(A) Syneresis	(B) Imbitition	12	5
		(C) Clotting	(D) Bleeding		
	14) Inor	ganic gels (approximately) may also be kno	• • •	()
	·			•	,
		(A) Magmas	(B) Spherulites		
		(C) Hydrates	(D) Bougies		
	15) Whi	ch one of the following statements is WRO		1	1
	•	(A) Organic gels can be characterize		•	•
		(B) Inorganic gets can be characteri			
		(C) Inorganic gets may also be know	- · · · · · · · · · · · · · · · · · · ·		
		(D) Organic gets may also be known			
	16) Whe	n gels are placed in contact with liquid m		thout a n	neasurable
	i	ncrease in volume. This phenomena is kno	wn as,	()
		(A) Syneresis	(B) Imbitition	•	,
		(C) Swelling	(D) Bleeding		
	17) F	Pick out the primary emulsifier in the cold o	` '	1)
	•	(A) Glyceryl mono stearate	(B) Potassium sterate	•	,
		(C) Sodium lauryl sulfate	(D) Stearyl alcohol	19	
	18) F	Pick out the Auxillary emulsifier in the cold		1	1
		(A) Glyceryl mono stearate	(B) Borax	•	,
		(C) Cetyl alcohol	(D) Stearyl alcohol		
	19) 1	The role of borax in the formulation of cold		1	1
	,	(A) It acts as an alkali and reacts wi		cerotate	,
		(B) Sodium cerotate is an hydrophil	_		
		(C) Sodium cerotate enhances hydro			P
		(D) All the above	spinner, and neeps to term into	That pride	_
:	20) V	Which of the following ointment bases can	not be used as an emollients	1	١
	,	(A) Hydrocarbon bases	(B) Absorption bases	`	- '
		(C) Oleagenous bases	(D) Water miscible bases		
	21) V	Which of the following bases forms o/w em	• •	1	1
•	, •	(A) Hydrocarbon bases	(B) Absorption bases	'	,
		(C) Oleagenous bases	(D) Water washable bases		
	22) P	rick out the odd one out of the following	(D) Water Washable bases	,	١
1	<i>22)</i> F	(A) Water soluble bases	(B) Water miscible bases	(,
		(C) Water removable bases	(D) Water misciple bases (D) Water washable bases	*	
	23) 6	· ·	* *	correct -	201102
4	23)	Glycerin is used as an humectant in the follo	_	oriect at	lower
		(A) Vanishing cream (C) Hydrophilic ointment USP	(B) Cold cream (D) White cintment	(1
		(C) Avarophilic olutment USP	ועו wnite ointment		

24)	Which of the following is not a cosmetic crea	m	()
	(A) Cold cream	(B) Vanishing cream	•	•
	(C) Barrier cream	(D) Foundation cream		
25)	In which of the following lipophilic surfactant		()
	(A) Cold cream	(B) Vanishing cream	`	,
	(C) Hydrophilic ointment USP	(D) Foundation cream		
26)	What is the disadvantage associated with var		()
	(A) They present the difficulty in the r		•	•
	(B) They present the difficulty to dissi		s	
	(C) They contribute to the uncomforta	able feeling of warmth sensation		
	(D) The bases cannot hold the drug fo	r a long period of time	•	
27)	In which of the following hydrophilic surfacta	nt is an auxiliary emulsifier	()
	(A) Cold cream	(B) Vanishing cream	•	•
	(C) Hydrophilic ointment USP	(D) Foundation cream		
28)	Propylene glycol is used as an humectant in	the following formulation. Pick	out the	correct
	choice		()
	(A) Vanishing cream	(B) Cold cream		
	(C) Hydrophilic ointment USP	(D) White ointment		
29)	In which of the following SLS is used as a prim		ilizer ()
	(A) Vanishing cream	(B) Cold cream		
	(C) Hydrophilic ointment USP	(D) Simple ointment		
30)	In which of the following bases there are no w	ater insoluble components	()
	(A) Water soluble bases	(B) Water miscible bases		
	(€) Water removable bases	(D) Water washable bases		
31)	PEG ointment USP contains which of the follo	wing bases	()
	(A) Water soluble bases	(B) Water miscible bases		
	(C) Water removable bases	(D) Water washable bases		
32)	The composition of PEG ointment USP is (1		
	(A) 100 % PEG 4000	(B) 75 % PEG 4000 & 25 % PEG 4	100	
	(C) 30 % PEG 4000 & 70 % PEG 400	(D) 95 % PEG 4000 & 5 % PEG 4		
33)	Which of the following can be used as an emo		1	1
	(A) Cold cream	(B) Vanishing cream	`	
	(C) Hydrophilic ointment USP	(D) Foundation cream		
34)	Which of the following is free from greasy beh		()
	(A) Hydrocarbon bases	(B) Absorption bases	`	1.00
	(C) Oleagenous bases	(D) Water washable bases		
35)	Edible oil can be used as an ointment base. It i		()
	(A) Water soluble bases	(B) Absorption bases	•	
	(C) Oleagenous bases	(D) Water washable bases		
36)	Which of the following fixed oil contains ricing		()
·	(A) Castor oil	(B) Almond oil	`	,
	(C) Olive oil	(D) Cotton seed oil		
37)	Any polymeric matrix containing liquid phase		(1
Ť	(A) Ointments	(B) Pastes		**
	(C) Creams	(D) Gels		
		• •		

38)	Which of the following is not a hydro gel		()	
	(A) Gelatin gel	(B) Acacia gel			
	(C) Methylcellulose gel	(D) Nitrocellulose gel			
39)	Which of the following is a semi synthetic g	elling agent	()	
	(A) Gelatin	(B) Aluminium hydroxide			
	(C) Methylcellulose	(D) Povidone			
40)	Out of the following one is a synthetic gellir	ng agent. Select the right choice	()	
	(A) Gelatin	(B) Acacia		-	
	(C) Methylcellulose	(D) Povidone			
41)	Which of the following is considered as a th	ermal polymer	()	
	(A) Gelatin	(B) Acacia			
	(C) Methylcellulose	(D) Povidone			
42)	Carbomer is used as a gelling agent in the p	reparation of a gel. It is classified	as a ()	
	(A) Natural gelling agent	(B) Synthetic gelling agent		8	
	(C) Semi synthetic gelling agent	(D) Inorganic gelling agent			
43)	Which of the following is a polymer of acryl	ic acid	()	
	(A) Gelatin	(B) Polyvinyl alcohol			
	(C) Sodium CMC	(D) Carbopol			
44)	Which of the following gelling agents canno	t form a homogeneous gel	()	
	(A) Natural gelling agent	(B) Synthetic gelling agent	·	·	
	(C) Semi synthetic gelling agent	(D) Inorganic gelling agent			
45)	Which of the following is widely used in the	formulation of clear gels	()	
	(A) Gelatin	(B) Polyvinyl alcohol	-	•	
	(C) Sodium CMC	(D) Carbopol or carbomer			
46)	Which of the following is a pH dependent p	olymer useful as a gelling agent i	n the fo	rmulatior	1
	of a gel.		()	
	47) (A) Gelatin	(B) Povidone			
	(C) Methyl cellulose	(D) Carbopol or carbomer			

1.0

Key to Semisolids- Ointments, Pastes, Creams & Gels

1. [A]	2. [D]	3. [B]	4. [D]	5. [D]	6. [B]	7. [B]	8. [A]	9. [A]	10. [D]
11. [B]	12. [C]	13. [A]	14. [A]	15. [D]	16. [B]	17. [A]	18. [B]	19. [D]	20. [D]
21. [D]	22. [A]	23. [A]	24. [A]	25. [A]	26. [D]	27. [A]	28. [C]	29. [C]	30. [A]
31. [A]	32. [B]	33. [A]	34. [D]	35. [C]	36. [A]	37. [D]	38. [D]	39. [C]	40. [D]
41. [C]	42. [B]	43. [D]	44. [D]	45. [D]	46. [D]				

Narsapur, Medak Dist. – 502313

ATTENDENCE LIST-GPAT 2023

Subject: Pharmacaceutics

Date: 27.10.2022

Students Attendance & Marks Sheet

S.No.	Roll No.	Name of the Student	Signature
1	19DH1R0026	GANTAMOINA HARSHITHA	Hass hithat
2	19DH1R0028	HADNOOR MAHESH	Mahesh
3	19DH1R0030	JEEDIMETLA SHIVANI	Buan
4	19DH1R0041	KUMMARI SRILATHA	Sviladha
5	19DH1R0050	MIRAJDAR VAISHNAVI	Vaishy
6	19DH1R0051	MOTHUKURI RISPACHELSI	Rispudielm
7	19DH1R0054	NAKKA CHANDANA	charge
8	19DH1R0057	NAREGUDAM SAI KIRAN	Cail
9	19DH1R0061	NOOR SULTANA	Moor
10	₃ 19DH1R0063	PATHLOTH ARUNKUMAR	Arabi
11	19DH1R0074	PURIMITLA RAJYALAKSHMI	Rajya Lakshni
12	19DH1R0081	R PRADEEP	Prodect
13	19DH1R0083	RUDRARAJU AISHWARYA	Disher.
14	19DH1R0094	SUSHRI SAINA SAR	(Soling/
15	20DH1R0009	AVUSULA SOWMYA	Samya
16	20DH1R0094	THARAKA BHARATH	Bhorath
17	20DH1R0096	VANJARI INDUMATHI	But

Signature of the GPAT coordinator

VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION&RESEARCH VISHNUPUR, NARSAPUR, MEDAK Dt-502313

GPAT (2023) Practice Exam - II

Subject

: Pharmaceutics

Time

: 1hr

Date

: 23.09.2022

Name

.

Regd No:

1) The temperature at which the solution of an emulsifier becomes turbid,

known as

(A) Kraft point

(B) Flash point

(C) Fragility point

(D) Cloud point

2) Read the following statements about kraft point

[P]: At kraft point, solubility of the surfactant equals the CMC[Q]:

Below kraft point, micelles will not form

[R]: Kraft point increases with increasing chain length of hydrocarbon[S]:

Kraft point is normally exhibited by non-ionic surfactants

Choose the correct combination of answers:

(A) P is correct but Q, R & S are wrong

(B) R & S are correct but P & Q are wrong

(C) P, Q & R are correct but S is wrong

(D) P, Q, R & S all are correct

3) Read the following statements about critical micelle concentration (CMC):[P]:

surface tension decreases up to the CMC

[Q]: Above the CMC, the surface tension remains essentially constant[R]:

Above the CMC, the osmotic pressure is essentially constant

[S]: CMC in an aqueous media decreases as the lipophilic nature of the surface active agent increases

Choose the correct answer

(A) P, Q, R and S all are true

(B) P is true but Q, R & S are false

(C) S is false but Q, R & S are true

(D) P, Q, R and S all are false

4) The number of surface active agent molecules constituting a spherical micelleis believed to range from

(A) 50 (or) more

(B) 80 (or) more

(C) 100 (or) more

(D) 20 (or) more

5) Statement [X]: The number of surface active agent molecules constituting a micelle is believed to range from 50 to 100 and is characterized by the aggregation number.

Statement [Y]: When the concentration of spherical micelles exceeds they are believed to transform into lamellar micelles.

Choose the correct Answer

- (A) X & Y both are correct
- (B) X is correct but Y is incorrect
- (C) Y is correct but X is incorrect
- (D) Both X&Y are incorrect

7) Structured vehicles used in suspension formulation may also referred as (A) Suspending agents (B) Thickening agents (C) All of the above 8) The structured vehicles used in Ideal suspensions should possess rheologicalbehaviour of (C) Thixotropic as well as dilatant (D) Rheopectic as well as plastic (E) Thixotropic as well as pseudo plastic (E) Thixotropic as well as pseudo plastic (E) Thixotropic as well as pseudo plastic (F) Rheopectic as well as pseudo plastic (F) Rheopectic as well as pseudo plastic (F) Phere of flocculation volume equal or near to 1 (E) Volume of sediment equal or near to 20 (G) All of the above 10) The degree of flocculation of a suspension is 1.5 and ultimate volume offlocculated sediment is 0.75. What will be ultimate volume of deflocculated sediment? (A) 2.1 (B) 1.5 (C) 0.7 (D) 0.5 2 11) The kinetics of degradation of drugs in suspension can be described as a (A) Zero - order (C) First - order (C) First - order (D) Apparent zero - order (C) First - order (D) Apparent second - order 12) The sedimentation volume of flocculated and deflocculated suspension is were 0.9 and 0.3 respectively. What will be the Degree of flocculation? (A) 0.30 (B) 0.50 (C) 0.75 (D) 1.00 13) The type of emulsion is a function of the relative solubility of the surfactant, the phase in which it is more soluble being the continuous phase, this is sometimes referred to as the (B) Schulze - Hardy rule (B) Bancroft rule (C) Traube's rule (C) Trambe's rule (D) Phase rule 14) Emulsifiers assist in the formation of emulsions by three mechamisms, EXCEPT: (C) Formation of multimolecular film around each dispersed globule (E) Formation of multimolecular film around each dispersed globule (E) Formation of particulate film around each dispersed globule (E) Formation of multimolecular film around each dispersed globule (E) Formation of multimolecular film around each dispersed globule (E) Formation of multimolecular film around each dispersed globule (F) Formation of multimolecular film around each dispersed globule	Accord	· · · · · · · · · · · · · · · · · · ·	betweer	elocity of the suspended particlesdepends upon ticle n suspended particle & liquid medium
(A) 2.1 (B) Thickening agents (B) Protective colloids (B) Thickening agents (D) All of the above (C) Thixotropic as well as dilatant (D) Rheopectic as well as plastic (E) Thixotropic as well as plastic (E) Thixotropic as well as pseudo plastic (F) Rheopectic as well as pseudo plastic (F) Reopectic as well as pseudo plastic (F) Degree of flocculation volume equal or near to 1 (E) Volume of sediment equal or near to 1 (F) Degree of flocculation equal or near to 2ero (G) All of the above (G) Al	7) Structure	d vehicles used in suspension fo	ormulatio	n may also referred a
(D) Rheopectic as well as plastic (E) Thixotropic as well as pseudo plastic (F) Rheopectic as well as pseudo plastic (F) Rheopectic as well as pseudo plastic (F) Rheopectic as well as pseudo plastic 9) Pharmaceutically acceptable suspension should possess (D) Sedimentation volume equal or near to 1 (E) Volume of sediment equal or near to 2 ro (G) All of the above 10) The degree of flocculation of a suspension is 1.5 and ultimate volume offlocculated sediment is 0.75. What will be ultimate volume of deflocculated sediment? (A) 2.1 (B) 1.5 (C) 0.7 (D) 0.5 11) The kinetics of degradation of drugs in suspension can be described as a (A) Zero - order (C) First - order (D) Apparent zero -		(A) Suspending agents	- Triulia (ic	(B) Protective colloids
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(D) Rheopectic as well as pseudo plastic (E) Thixotropic as well as pseudo plastic (F) Rheopectic as well as pseudo plastic 9) Pharmaceutically acceptable suspension should possess (D) Sedimentation volume equal or near to 1 (E) Volume of sediment equal or near to 1 (F) Degree of flocculation equal or near to 2ero (G) All of the above 10) The degree of flocculation of a suspension is 1.5 and ultimate volume offlocculated sediment? (A) 2.1 (B) 1.5 (C) 0.7 (D) 0.5 11) The kinetics of degradation of drugs in suspension can be described as a (A) Zero - order (C) First - order (D) Apparent zero - order (D) Apparent second - order 12) The sedimentation volume of flocculated and deflocculated suspension is were 0.9 and 0.3 respectively. What will be the Degree of flocculation? (A) 0.30 (B) 0.50 (C) 0.75 (D) 1.00 13) The type of emulsion is a function of the relative solubility of the surfactant, the phase in which it is more soluble being the continuous phase, this is sometimes referred to as the (B) Schulze - Hardy rule (B) Bancroft rule (C) Traube's rule (D) Formation of monomolecular film around each dispersed globule (E) Formation of monomolecular film around each dispersed globule (E) Formation of particulate film around each dispersed globule (E) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule		(C) Thixotropic as well as	pensions dilatant	should possess rheologicalbehaviour of
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(F) Rheopectic as well as pseudo plastic 9) Pharmaceutically acceptable suspension should possess (D) Sedimentation volume equal or near to 1 (E) Volume of sediment equal or near to 1 (F) Degree of flocculation equal or near to zero (G) All of the above 10) The degree of flocculation of a suspension is 1.5 and ultimate volume offlocculated sediment is 0.75. What will be ultimate volume of deflocculated sediment? (A) 2.1 (B) 1.5 (C) 0.7 (D) 0.5 11) The kinetics of degradation of drugs in suspension can be described as a (A) Zero - order (B) Apparent zero - order (D) Apparent second - order 12) The sedimentation volume of flocculated and deflocculated suspension is were 0.9 and 0.3 respectively. What will be the Degree of flocculation? (A) 0.30 (B) 0.50 (C) 0.75 (D) 1.00 13) The type of emulsion is a function of the relative solubility of the surfactant, the phase in which it is more soluble being the continuous phase, this is sometimes referred to as the (B) Schulze - Hardy rule (B) Bancroft rule (C) Traube's rule (B) Schulze - Hardy rule (C) Formation of monomolecular film around each dispersed globule (E) Formation of multimolecular film around each dispersed globule (E) Formation of particulate film around each dispersed globule (E) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of multimolecular film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of multimolecular film around each dispersed globule (F) Formation of multimolecular film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule		(E) Thixotropic as well as p	seudo ni:	astic
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13) The type of emulsion is a function of the relative solubility of the surfactant, the phase in which it is more soluble being the continuous phase, this is sometimes referred to as the (B) Schulze - Hardy rule (C) Traube's rule (D) Phase rule 14) Emulsifiers assist in the formation of emulsions by three mechamisms, EXCEPT: (C) Formation of monomolecular film around each dispersed globule (D) Formation of multimolecular film around each dispersed globule (E) Formation of particulate film around each dispersed globule (F) Formation of atomic film around each dispersed globule (F) Formation of atomic film around each dispersed globule (I) Cetylpyridinium chloride (II) Cetyl trimethyl ammonium bromide		(A) 0.30		
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(G) Benzalkonium chloride (H) Cetylpyridinium chloride (I) Cetyl trimethyl ammonium bromide	15) Liet of			
(H) Cetylpyridinium chloride (I) Cetyl trimethyl ammonium bromide	/ List of cation	(G) Roppelle (C) Roppelle (C)	EXCEPT :	
(I) Cetyl trimethyl ammonium bromide		(H) Cetylnyridinium chloride		
· · · · · · · · · · · · · · · · · · ·		(I) Cetyl trimethyl ammonium	hromid-	
(J) Sodium lauryl sulphate		(J) Sodium lauryl sulphate	. M. OIIII ae	

//	(K) Sodium dioctyl sulfo succinate (C) Sarcosinates	(B) Sodium dodecyl sulfate (D) Sorbitan esters
17) BRIJ	is tradename for	
•	(L) Polyethylene glycol	
	(M) Polyoxy ethylene alkyl ethers	.
	(N) Polyoxy ethylene alkyl esters	
	(O) Alkoxy alkyl amines	
18) 70%	SPAN 60 (HLB=4.7) and 30% Tween 80 (HLB= emulsifier exhibiting an average	
	(P) Approx. 8	
	(C) Approx. 5	(B) Approx. 10 (D) Approx. 2
10\ Emul	sifying Wax B.P is a blend of	
13) Ciliui	(Q) Petrolatum & white wax	
	(R) Sodium lauryl sulphate & cetoste	anul alaahal
	(S) Dioctyl sulfosuccanate & white w	
	(T) Petrolatum & polyethylene	rdx
20) Emul	sifying wax B.P favours	
20) Email	(U) O/W Emulsion	(B) W/O Emulsion
	(V) Poor Emulsion	(D) All of the above
21) In sta	blo omulčion, sphorisal droplete as internal	phase can occupy not morethanof the total
21) III 3ta	volume of an emulsion	phase can occupy not more tenor the total
	(A) ≈74% _∄	(B) ≈ 50%
	(C) ≈25%	(D) ≈45%
22) Emul	sion with a dispersed phase concentration (P	VT) in excess of has
	a marked tendency to crack	•
	(A) 74%	(B) 26%
•	(C) 50%	(D) 10%
23) The p	hase volume ratio (PVT) of most stable emul	sion is
	(A) 74:26	(B) 26:74
	(C) 50:50	(D) 74:100
24) Antifo	paming agents has an HLB value about	
•	(A) 1-3	(B) 7-9
	(C) 8-16	(D) 3-8
25) What	will be proportion of oil, water & gum respe	ativaly vacuity at a
25) Wilat	prepare primary emulsion containing	
	(A) 4:2:1	
	• •	(B) 3:2:1
	(C) 2:2:1	(D) 1:2:1
26) When	stoichiometric amount of Ca is added to an	emulsion stabilizedwith
	sodium alginate it will	
	(W) Crack immediately	la.
	(X) Change the nature from o/w to w(Y) Change the nature from w/o to o/	
	(Z) Accelerate the phenomenon of O	
	(=) Accelerate the phenomenon of O	stwara riberiirik

pan (Arlacel) is trade name for

ıddi	tion of electrolyte to a Lysol r	nay cause		
//	A) Tyndall effect		(B) Salting out	
	(C) Coagulation		(D) Dilution	
28) Rx				
	Calciferol solution	0.3ml		
	Water q.s ad	25ml		
The abo	ove prescription can be dispe	nsed as	Elixir	
	(A) Solution	•	Suspension	
	(C) Emulsion	(0	Juspension	
29) At lo	w concentration natural gun	ns, proteins &	particulate solids areuseful a	as
	(A)Primary emulsifie		(B) Auxiliary emulsifier	S
	(C) In-situ emulsifier	S	(D) Mixed emulsifiers	
30) Mad	rogol is the trade name for			X-
	(A)Diotyl sulfosuccir	ıate	(B) Polyethylene glyco	
	(C) Poly propylene		(D) Poly acrylic acid	
31) Aero	osol OT is the trade name for			
	` '	yl sulphosucci	nate	
	(BB) Sodium dode			
	(CC) Sodium algin			
	(DD) Sodium alum	inuium silicat		
32) List	of o/w Emulsifiers are given		:	
	(A)TWEEN / Polyson	bate	(B) Pluronics / Poloxar	ner
	(C)PEG / Mocrogol	A.	(D) Span / Arlacel	
33) W	hich of the following stateme	nt is WRONG	with respect to the colloidal	dispersion
407	(A) It is an example of heter	ogeneous dis	persion	
	(B) Do not pass through sen	nipermeable n	nembrane	8
	(C) Visible in electron micro			
	(D) Do not exhibit Brownia	n motion		
34) An	Ideal semipermeable memb	rane used in H	aemodialysis technique is	
· •	(E) Cellophane	(E) Cellacephate .	
	(C) Hypromellose	([) Carmellose sodium	
35) W	hich of the following stateme	nts is FALSE w	ith respect to Dialysis	
•	(F) Principle utilized in the	artificial kidne	У	
	(G) Removes low-molecular	r-weight impu	rities from the body	
	(H) Separates soluble impu		ies colloidal materials	
	(I) May also be known as l	Ultrafiltration		
36) Re	ead the following statements	about lyophil	c sol	
•	[P]: Lyophilic sols may als	o be known a	reversible sols	_
	[Q] : Lyophilic sols are rela electrolytes	tively stable i	n presence of moderate amo	unts of
	[R] : Lyophilic sols may als	o be known ac	emulsoids	
	[S] · Lyophilic sols may be	salted out by	nigh concentrations of very	oluble
	electrolytes		•	
	Choose the correct combin	ation of state	ments	
	(A) P, Q, R & S all a		(B) P & Q are false an	d R & S are true
	(C) P & S are false a	and O & P are	true (D) P,Q, R &S all are t	rue

/) Statement [x]: Hofmeister series grades	coagulation power of electrolytes as per theirlonic
size	
Statement [y]: The relative coagulating	power is given by :
[P] AI ⁺⁺⁺ > Ca ⁺⁺ [Q]	F' > I' & [R] NH ₄ ⁺ > Na ⁺
Choose the correct statement:	
(J) Only X is correct	(B) Only Y is correct
(C) Both X & Y are correct	(D) Both X & Y are incorrect
	s coagulating power of electrolyte as per their valency
Statement [y]: The relative coagulating	power is given by:
	$Na^{+} > Mg^{++}$ [R] $NH_{4}^{+} > Ba^{++}$
Choose the correct statement:	
(K) [x] is true but P, Q & R a	re false in [y]
(L) [x] is false and P, Q & R	are false in [y]
(M) [x] is true and Q, R a	re false in [y]
(N) [x] is false and P only fa	
39) Which one of the following is a floccular	ting agent for a negatively charged drug?
(O) Aluminium chloride	(B) Bentonite
(C) Tragacanth	(D) Sodium bi phosphate
40) Which one of the following is a floccula	ting agent for a negatively charged drug?
(P) NaCl	(B) CaCl₂
(C) AICI ₃	(D) Kaolin
	6 0

ey to Suspensions & Emulsions

1. [D]	2. [D]	3. [A]	4. [A]	5. [A]
6. [D]	7. [D]	8. [C]	9. [A]	10. [D]
L1. [B]	12. [A]	13. [B]	14. [D]	15. [D]
L6. [D]	17. [B]	18. [A]	19. [B]	20. [A]
21. [A]	22. [A]	23. [C]	24. [A]	25. [B]
26. [C]	27. [B]	28. [C]	29. [B]	30. [B]
B1. [A]	32. [D]	33.D	34.A	35.D
36.D	37.C	38.C	39.A	40.C
*5/4	<i>y</i>		79	
19/10				
77/196	A		- N	100
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	NA.		A	
	487 7 %	*		The .
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Narsapur, Medak Dist. – 502313

ATTENDENCE LIST-GPAT 2023

Subject: Pharmaceutics

Date: 23.09.2022

Students Attendance & Marks Sheet

S.No.	Roll No.	Name of the Student	Signature
1	19DH1R0026	GANTAMOINA HARSHITHA	Harshethal
2	19DH1R0028	HADNOOR MAHESH	Maherke
3	19DH1R0030	JEEDIMETLA SHIVANI	Avari
4	19DH1R0041	KUMMARI SRILATHA	Brilabla
5	19DH1R0050	MIRAJDAR VAISHNAVI	Vaishy
6	19DH1R0051	MOTHUKURI RISPACHELSI	Rispachelin
7	19DH1R0054	NAKKA CHANDANA	Gay
8	19DH1R0057	NAREGUDAM SAI KIRAN	(Say
9	19DH1R0061	NOOR SULTANA	Moor
10	. 19DH1R0063	PATHLOTH ARUNKUMAR	Aruly
11	19DH1R0074	PURIMITLA RAJYALAKSHMI	Rajyalakehni
12	19DH1R0081	R PRADEÉP	Rodelp
13	19DH1R0083	RUDRARAJU AISHWARYA	A Pichw
14	19DH1R0094	SUSHRI SAINA SAR	Casha
15	20DH1R0009	AVUSULA SOWMYA	Sownige
16	20DH1R0094	THARAKA BHARATH	Charath
17	20DH1R0096	VANJARI INDUMATHI	pry

Signature of the GPAT coordinator

VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION&RESEARCH VISHNUPUR, NARSAPUR, MEDAK Dt-502313

GPAT (2023) Practice Exam - I

Subject	: Pharmaceutical Organic Chemistry				
Time	: 1hr	Date	: 20.08.20	22	
Name	:	Regd No	:		
1. 2,6,8-Tri hyd	droxypurine is known as ()			
a) Caffeine	b) Uric acid c) Theophylline d) Theobromin	e			
2. 2,6-di hydro	xy purine is known as ()			50	
a) Xanthine	b) Uric acid c) Theophylline d) Theobromia	ne			
3. 1,3,7-Tri me	thyl xanthine is known as			()
a) Caffeine	b) Theobromine c) Theophylline d) Uric acid				
4. 3,7-di methy	l xanthine is known as		()	
a) Caffeine	b) Theobromine c) Theophylline d) Uric acid				
5. 1,3-di methy	l xanthine is known as		()	
a) Caffeine	b) Theobromine c) Theophylline d) Uric acid				
6. DNA mainly	present in			()
a) Chromatii	n of cell nucleus b) Cell cytoplasm c) Mytochor	ndia d) A	.11		
7. RNA mainly	present in			()
a) Chromati	n of cell nucleus b) Cell cytoplasm c) Mytochor	ndia d) A	.11	19	
	ucleic acids are present inform and in		tion	()
-	form & beta configuration b) Pyranose form & be				
	form & Alpha configuration d) Pyranose form &				
	de sugar and base linked at positions			()
	gar & N-9 (Purine), N-1 (Pyrimidine)				
,	gar & N-9 (Purine), N-1 (Pyrimidine)	•			
,	gar & N-9 (Pyrimidine), N-1 (Purine)				
	gar & N-1 (Purine), N-9 (Pyrimidine)				
,	is			()
	Sugar + base c) Sugar + base + phosphoric acid	d) Phosph	oric acid		
	is			()
	Sugar + base c) Sugar + base + phosphoric acid	d) Phosph	oric acid		E!
	Electrophilic substitution reactions are take place			()
	6 c) 2,4 d) 1,2,3				
	e Nucleophilic substitution reactions are take place	e at	positions	()
	4,6 c) 2,4 d) 1,2,3		-		

14. Characteristic reactions of pyriote(
a) Electrophilic substitution reactions b) Nucleophilic substitution reactions c) both d) None
15.A) Pyridine undergoes Nucleophilic substitution reactions readily than Electrophilic substitution
reactions.
B) Why because Nitrogen present in pyridine more electronegative in nature it pull the electrons
towards it. So electron deficiency inside the ring.
a) A&B Correct b) A&B Wrong c) A Correct & B Wrong d)B Correct & A Wrong ()
16. Why Pyrrole is weak base
a) Electron pair present on nitrogen involved in the Aromatic sexet
b) Electrons are absent c) It doesnot react with acids d) All
17. In Pyrrole Electrophilic substitution reactions are take place at positions ()
a) 1 b) 2,3,4,5 c) both d) None
18. Pyridine is nature ()
a) Acidic b) Basic c) Neutral d) All
19. Partially reduced pyrrole is known as()
a) Pyrroline b) Pyrrolidine c) both d) None
20. Fully reduced Pyridine is known as
a) Pyrroline b) Pyrrolidine c) Piperidine d) None
21.Ketoximes on treatment with an acid catalyst and undergo a rearrangement to form N-substituted
amides. This reaction is known as
a) Beckmann rearrangement b) Lossen rearrangement c) Curtius rearrangement d) None
22. Nitration of pyrrole is carried out with reagent ()
a) HNO ₃ +H ₂ SO ₄ b) H ₂ SO ₄ c) HNO ₃ +AC ₂ O d) None
23. Sulphonationof pyrrole is carried out with reagent ()
a) HNO ₃ +H ₂ SO ₄ b) H ₂ SO ₄ c) HNO ₃ +AC ₂ O d) Pyridiniumsulphur trioxide complex
24. Reduction of aromatic rings by means of alkali metals in liquid ammonia or amines with ethanol
to give mainly unconjugated dihydroderivatives is known as ()
a) Beckmann rearrangement b) Lossen rearrangement c) Curtius rearrangement d)Birch reduction
25. Compound containing atleast one active hydrogen atom condenses with formaldehyde and
primary or secondary amine or ammonia to give the product this reaction is known as(
a) Mannichreaction b) Schmidt reaction c) Curtius rearrangement d)Birch reduction
26. Reaction of pyridine with sodamide to give the product 2-amino pyridine this reaction is known as
a) Mannichreaction b) Schmidt reaction c) Curtius rearrangement d)Chichibabin reaction()
27. Addition reaction between an α,β-unsaturated carbonyl compound and a compound with an active
methylene group in presence of a base. This reaction is known as()
a) Mannichreaction b) Michael addition reaction c) Curtius rearrangement d) Chichibabin reaction

	28. Separation of Individual enantiomers from a racemic mixture is known	as-()		
	a) Resolution b) Modification c) racemicifation d)all		·		
	29. R,S-Configuration is also known as	()		
	a) Absolute configuration b) cann-ingold-prelog system c) Relative configu	ration o	d) b&c		
	30. D,L-Configuration is also known as		,	()
	a) Absolute configuration b) cann-ingold-prelog system c) Relative configu	ration (1) None		
	31. Arrange the following heterocycles based on aromaticity.	(´)		
	a) Pyrrole>Thiophene>Furan b) Furan>Pyrrole>Thiophene c)Pyrrole <thio< td=""><td>ophene</td><td></td><td>d) No</td><td>ne</td></thio<>	ophene		d) No	ne
	32. The basic structural unit in chlorophyll is	•		()
;	a)Pyrrole b) Thiophene c) Furan d) None				,
	33. Isomers which are not mirror images of each other are called as				
	34. Isomers which are mirror images of each other are called as				
	35. In furan,C& O are in state of hybridization.(
é	a) SP b) SP ² c)SP ³ d) None				
3	36. Thiophene undergoes nitration to form(
8	a) 2-Nitro Thiophene b) 2,5-Di Nitro thiophene c) Both d) None				
3	37. Nitrofurantoin, a urinary antiseptic contains which type of nucleus			()
	a)Pyrrole b) Thiophene c) Furan d) None				,
3	88. Isoquinoline reacts with alkaline KMNO4 to form			()
a	a) Phthalicacid b) Pyridine 3,4-carboxylic acid c) both d) none			`	,
3	9. The tetrahydro derivatives of azoles are known as()				
a) Azolidine b) Azoline c) Azolyl d) None			•	
4	0. Priorities to substituents is assigned according toin R & S sy	/stem.()		
) Atomic weight b) Atomic number c) both d) None	`	,		

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key:-

1)b

2)a

3)a

4)b

5)c

6)a

7)b

8) a

9)a

10)c

11)b

12)a

13)b

14)a

15)a

16)a

17)b

18)b

19)a

20)b

21)a

22)c

23)d

24)d

25)a

26)d

27)b

- 28)a
- 29)d
- 30)a
- 31) a
- 32) a
- 33) Diastereomers
- 34) Enantiomers
- 35) b
- 36) c
- 37)c
- 38)c
- 39)a
- 40)b

Narsapur, Medak Dist. – 502313

ATTENDENCE LIST-GPAT 2023

Subject: Organic Chemistry

Date: 20.08.2022

Students Attendance & Marks Sheet

S.No.	Roll No.	Name of the Student	Signature
1	19DH1R0026	GANTAMOINA HARSHITHA	
2	19DH1R0028	HADNOOR MAHESH	Hatshifka
3	19DH1R0030	JEEDIMETLA SHIVANI	Moherh
4	19DH1R0041	KUMMARI SRILATHA	Siwan
5	19DH1R0050	MIRAJDAR VAISHNAVI	on con
6	19DH1R0051	MOTHUKURI RISPACHELSI	Voishu.
7	19DH1R0054	NAKKA CHANDANA	Rispachel
8	19DH1R0057	NAREGUDAM SAI KIRAN	Glay
9	19DH1R0061	NOOR SULTANA	Sai
10	19DH1R0063	PATHLOTH ARUNKUMAR	400
11	19DH1R0074	PURIMITLA RAJYALAKSHMI	Arca
12	19DH1R0081	R PRADEEP *	Rajyalakehm
13	19DH1R0083	RUDRARAJU AISHWARYA	Prodect
14	19DH1R0094	SUSHRI SAINA SAR	A Shee.
15	20DH1R0009	AVUSULA SOWMYA	Gaina
16	20DH1R0094	THARAKA BHARATH	Sounga
7	20DH1R0096	VANJARI INDUMATHI	Bharath

VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH Narsapur, Medak Dist. - 502313

GPAT COACHING PROGRAMME 2023

Name of the faculty: My. Venkata Rao Mobile No. 8790961575

Designation: ASSOC. protessov Specialization: Pharmaceutics

S.No.	Date	Tin	ne	No. of Hours taken	Topic covered	Signature of the faculty	Authorized signature
		From	То				ST.
<i>J</i> .	9/1/23	9:30	6:30	7 hy	Conglexation	Øn	BX
2.	Idily	9:30	6:30	7 hy	Pharmaceutial calculations	6r	BV
3.	11/1/13	9:30	630	Fho	Ph. calculations	ÓL	8
4.	14/123	9:30	6:30	チカツ	Tableds & copyules	Øi	8/
Ś.	25/413	9230	6-30	749	Tableds & capsules HLB, Semisalia &	An .	BV
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7.	28(42)	9:38	6:38	Thy	collidad Dispersions transderend putting cosmetics	4	BV
					cosmetics		, 7

VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH Narsapur, Medak Dist. - 502313

GPAT COACHING PROGRAMME 2023

Name of the faculty: DVS. Nagavium Mobile No. 9885 +84793

Designation: Specialization: Pharmacology

S.No.	Date	Tin	ne	No. of Hours taken	Topic covered	Signature of the faculty	Authorized signature
		From	То				
1.	8/6/22	9.30am	4:30Pm	6hv	Receptor	2000	
2	9/6/22	9:30am 9:30am	4:30fm	6hv	Receptor	J. Naujan	
		3					
					•		

VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH Narsapur, Medak Dist. – 502313

GPAT COACHING PROGRAMME 2023

Name of the faculty: Dr. S. NACHARJUNA Mobile No. 7885784793

Designation:

Specialization: PHARMACOLOGY

S.No.	Date	Tim	ne	No. of Hours	Topic covered	Signature of the	Authorized signature
				taken		faculty	
		From	То			-	D.V.
01.	Buter	9:30 Am	4:00 m	06	Drugs acting on CUS-I	1	- 20K
02.	19/12/22	9:20 Am	4:00 PM	66	CUS-11, only active on Blood	S. 198	BV.
03.	20/12/20	9:30 Am	4:00 Pm	06	Drugs action on CNS	3.700	- FW
04.	21/12/20	9.20 Am	4:08m	06	Dough acting on CUS-? CUS-II, Dough actin on Blood Dough action on CNS Chemotherpy		─6 }
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PRINCIPAL

GPAT COORDINATOR

Narsapur, Medak Dist. – 502313

GPAT COACHING PROGRAM 2022 LIST OF STUDENTS

S.No.	Roll No.	Name of the Student
1	19DH1R0026	GANTAMOINA HARSHITHA
2	19DH1R0028	HADNOOR MAHESH
3	19DH1R0030	JEEDIMETLA SHIVANI
4	19DH1R0041	KUMMARI SRILATHA
5	19DH1R0050	MIRAJDAR VAISHNAVI
6	19DH1R0051	MOTHUKURI RISPACHELSI
7	19DH1R0054	NAKKA CHANDANA
8	19DH1R0057	NAREGUDAM SAI KIRAN
9	19DH1R0061	NOOR SULTANA
10	19DH1R0063	PATHLOTH ARUNKUMAR
s 11	1 19DH1R0074 PURIMITLA RAJYALA	
12	19DH1R0081	R PRADEEP
13	19DH1R0083	RUDRARAJU AISHWARYA
14	19DH1R0094	SUSHRI SAINA SAR
15 20DH1R0009		AVUSULA SOWMYA
16	20DH1R0094	THARAKA BHARATH
17	20DH1R0096	VANJARI INDUMATHI

Signature of the GPAT coordinator

BVRIT, Vishnupur, Narsapur, Medak District – 502 313

Date: 17-12-2022

CIRCULAR

All the staff & students are here by to inform that we will have a guest lecture from 18-12-2022 to 21-12-2022 at 10:00am by Sannithi Nagarjuna Pharmacy officer, ESICMH & PGIMSR Rajajinagar for IV Years

Topic: GPAT training on pharmacology

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PRINCIPAL

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Vishnu Institute of Pharmaceutical
Education & Research
Narsapur, Medak Dist.-502 313, TS.

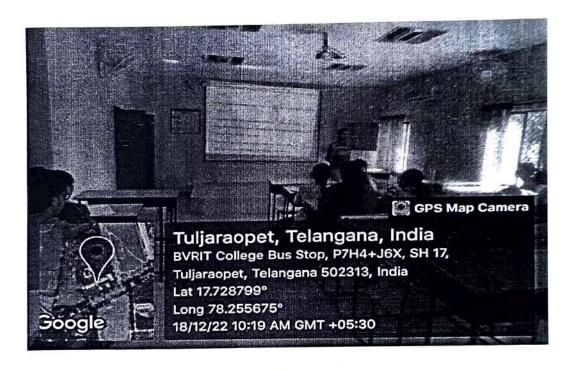
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VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH VISHNUPUR, NARSAPUR, MEDAK DIST-502313

Guest Lecture by Sannithi Nagarjuna from ESICMH &PGIMSR Rajajinagar from 18/12/2022 to 21/12/22



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