

Shellino Education Society's

Arunamai College of Pharmacy, Mamurabad, Jalgaon



Theory Second Sessional Examination June.-2022

ib: -Human Anatomy and Physiology-II (BP201T)	Class & Sem: - F.Y.B.Pharm (II)
arks: - 30	Time: - 1.5Hr.
. 1. Solve Multiple Choice Questions.	(10)
The net filtration pressure ismm Hg.	
a) 20 b) 125 c) 60 d) 180	
2) Which How many major calyx present in kidney:	
a) 8 b) 2 or 3 c) 10 d) Millions	
3) Which hormone release FSH & LH from anterior	Pituitary
a) Oxytocin b) T3 c) Gonadotropin Releasing	Hormone d) somatotropin
4) Which of the following has both endocrine and exc	ocrine functions?
	Thymus d) Pancreas
5) Corpus luteum is the source of secretion of,	••••
a) Progesterone b) Estrogen c) LH	d) All of Above
6) How many number of sperm produce by healthy n	nale in each day?
a) 500 million sperm b) 300 million sperm	
7) The Sertoli cells are?	• Action 100 to 100 100 100 100 100 100 100 100 100 10
a) Nutritive b) Protective c) Meninge	es d) All of Above
8) Seminiferous tubules develop central lumen after	
a) False b) True	****
9) The Glomerular capillary pressure is the highest ca) Trueb) False	apillary pressure in the body is that,
10) How many phases of ovarian cycle?	
a) 2 b) 3 c) 1 d) 5	
) 2 Waite T	(10)
2.2. Write any Two	(10)
a) Write anatomy & Physiology of Adrenal gland b) Explain Process of Union Francis	
b) Explain Process of Urine Formation.	
c) Describe about Menstrual Cycle. 2. 3. Write any One	(10)
a) Write Anatomy and Physiology of Female Repro	***************************************
b) Define Hormone? Describe Hormone secreted by	
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3)		in b) T3					d) soma	totropin	
4)	Which of th	e following h	nas both end	docrine and	d exocr	ine functi	ions?		
	a) Pituitary	Gland b)	Thyroids	gland	c) Th	iymus	d) Pa	ncreas	
5)	Corpus lute	um is the so	arce of secr	etion of,					
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8)	Seminiferou	is tubules de	velop centra	al lumen af	ter Pub	erty,			
	a) False	b) True	•						
9)	The Glomer a) True	rular capillar b) False	y pressure i	s the highe	st capil	lary pres	sure in th	e body is	that,
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	a) 2	b) 3	c) 1	d) 5					
			-, -	-, -					
Q.2. W	rite any Tv	vo							(10)
		my & Physic	ology of Ad	renal gland	ł				()
		ocess of Urine			-				
		out Menstrua							
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		omy and Phy	siology of F	emale Ren	product	ive Syster	m		\ <i>\</i>
b)	Define Horn	mone? Descr	ibe Hormon	e secreted	by Piti	itary Gla	nd.		
	253.	Treser	ioc Hormon	ic secreted	oj i ite				

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	(10)
 a) Write Anatomy and Physiology of Female Repro b) Define Hormone? Describe 11. 	ductive System
b) Define Hormone? Describe Hormone secreted by	Pituitary Gland.
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Shellino Education Society's Arunamai College of Pharmacy, Mamurabad, Jalgaon Second Theory Sessional Examination June -2022



Sub: - POC-III Marks: - 30

Class & SEM: - Second Year B. Pharm

T.	0 00	
Time:-	51	J.

Q. 1. All questions are compulsory.	
1. The first chirality due to restricted rotat	ion about a six a six
The first chirality due to restricted rotat a) Fischer	b) Biot
c) Van't Hoff & Le Bel	1, 510
2. In Hantzsch synthesis, interaction of this	d) Christie & Kenner oamides & halo-carbonyl compound gives b) Imidazole
a) Thiazole	bamides & halo-carbonyl compound gives
c) Pyridine	- / ······dazoic
3. The term 'axial' in chair form of cyclohe	d) Pyrazole
a) Parallel to plane of ring	exane refers to:
c) Out of plane	b) Perpendicular to plane of ring
4. Dehydrohalogenation of 2-iodo-butane y	d) Syn-periplanar
a) 60% trans 2 butons 8 2004	vields:
a) 60% trans-2-butene & 20% cis-	2-butene
b) 50% trans-2-butene & 50% cis-	2-butene
c) 50% trans-2-butene & 20% cis-	2-butene
d) 60% trans-2-butene & 40% cis-	2-butene
5. Assign E or Z configuration to the given	compound.
C=C	
нс	
2) F 2016	
a) E-configuration	b) Z-configuration
c) S-configuration 6. What are Stereoisomore?	d) R-configuration
are Stereoisomers.	
a) Isomers having a same molecular formu b) Isomers having	ila and same configuration
of isomers having a same molecular formula	ila but different configuration
c) isomers having a different molecular for	rmula but the same configuration
of isomers having a different molecular to	rmula and different asset
the chiral molecule among the fol	llowing.
a) isopropyl alcohol	b) 2-pentanol
c) 1-bromo 3-butene	d) Isobutyl alaahal
8. In Marckwald Synthesis, the reaction of o	t-amino ketones with produces
	products
a) thiocynates, 2-aminoimidazole	b) benzyl, 2-aminoimidazole
c) cynamides, 2-mercantoimidazolog	d) isothiocynates,2-aminoimidazole
redicinal uses of Imidazole are except.	• 0000000000000000000000000000000000000
a) Antifungal	b) Anti-infectives
c) Antiulcer	D. D.L L
10. 2-Aminothiazole like aniline undergoes d a) Aminothiazole	iazotization with HNO2 to give:
- The contract of the contract	b) Diazonium ion
c) α-halo carbonyl compounds	d) 2-Mercaptothiazole
Q.2. Write any two	(10)
Write a short note on synthesis & reaction Explain Beckmann?	s of quinoline.
Pidit DCCKIIIann & rearrangement reacti	on
	s in cyclohexane.
any one	(10)
a) Discuss the conformational isomerism in a	n-butane in detail.
b) Write synthesis, chemical reactions & med	dicinal uses of Imidazole.