Enrollment No: _____ Seat No: _____

PARUL UNIVERSITY

FACULTY OF PHARMACY B. Pharm. Summer 2022 - 23 Examination

Date: 21/04/2023 Semester: 8

Subject Code: BP810ET Time: 10:00am to 1:00pm

Subject Name: Experimental Pharmacology **Total Marks: 75**

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- as to the right indicate maxim

	_	s to the right indicate maximum marks. suitable assumptions wherever necessary.						
0.1	Mu	Itiple Choice Questions (MCQs) (1 Mark Eac	h)	(20)				
_	Which of the following committee regulate experiments on animals?							
	a)	CCPSEA	b) WHO					
	,	CPCSEA	d) DHR					
2.		nich of the following is most commonly used ar						
	a)	Rabbit	b) Guinea Pig					
	- 1	Mouse	d) Dog					
3.		The painless mercy killing of laboratory animal is called as						
	a) Euthanasia b) Anesthesia							
		Catatonia	d) Catalepsy					
4.			• •					
		A is used to mimic a procedure or treatment without the actual use of the procedure or est substance.						
		Positive Control	b) Sham Control					
	-	Normal Control	d) Negative Control					
5.	-	e in vitro model used for screening of sympatho	_					
٥.		Rabbit eye model	b) Isolated frog heart preparation					
	c)	· · · · · · · · · · · · · · · · · · ·	d) Bioassay of adrenaline by monitoring BP					
6.		ated frog heart preparation cannot be used for s						
0.	a)	Sympathomimetic	b) Sympatholytic					
		Parasympathomimetic	d) Neuromuscular blockers					
7.		ich apparatus is used for evaluation of skeletal	•					
٠.	a)	Rota rod	b) Plus maze					
	c)	Eddy's hot plate	d) Plethysmometer					
8.		e nictitating membrane prolapse in cat is used f	•					
0.	a)	Sympathomimetic	b) Sympatholytic					
		Parasympathomimetic	d) Parasympatholytic					
9.		e thermal method used for screening of analges						
٦.	a)	Hot Plate Method	b) Writhing method					
	,	Heffner's Clip method						
10		Cook's pole climbing apparatus is used for scr	d) Formalin Test					
10.								
	a)	Antipsychotic drugs	b) Antihyperlipidemic drugs					
11		Antihypertensive drugs	d) Local anesthetics drugs					
11.		The failure to correct an externally imposed unusual posture over a prolonged period of time is called						
	a)	Catalepsy	b) Hallucination					
10	c)	Delusion	d) Extrapyramidal side effect					
12.		Which chemical is used for screening drugs used in Alzheimer's disease?						
	a)	Acetic acid	b) MPTP					
10	c)	Phenylpropanolamine	d) Scopolamine					
13.		The Lipschitz test is used for screening of						
	a)	Diuretics	b) Antihypertensive					
1.4	c)	Antiparkinsonian drugs	d) None of the above					
14.		tiulcer activity is evaluated by	1) (1)					
	a)	Pylorus ligation method	b) Charcoal meal test					
	c)	Porsolt test	d) All of the above					

15.	Str	eptozotocin induces in the animal					
	a)	Diabetes	b) Asthma				
	c)	Hepatocarcinoma	d) Depression				
16.	Which chemical is used for evaluation of Antihyperlipidemic activity						
	a)	DOCA	b) Triton				
	c)	CCL4	d) MTT				
17.	Spe	Specified expectations about empirical reality derived from propositions are called					
	a)	Definition	b) Proposition				
	c)	Variable	d) Hypothesis				
18.	A s	ystematic review of literature adopts					
	a)	Explicit procedures	b) Implicit procedures				
	c)	Peer suggested procedures	d) Personal choice procedures				
19.	The	e full form of ANOVA is					
	a)	Analysis of variance	b) Analysis of Value				
	c)	Accommodation of variance	d) Accommodation of value				
20.	. A graphical representation of a frequency distribution is called						
	a)	Stem and leaf plot	b) Scatter diagram				
	c)	Histogram	d) Time-series plot				
Q.2	Lo	ng Answers (any 2 out of 3) (10 Mark Each)		(20)			
1.	Write brief overview on CPCSEA guideline for maintenance, breeding and conduct of experiments						
_	on laboratory animals.						
2.	Enlist various methods for evaluation of antiepileptic activity. Explain MES and PTZ methods in detail.						
3.	Write a brief note on Review of Literature and Hypothesis.						
Q.3	Short Answers (any 7 out of 9) (5 Mark Each) (35						
1.	Explain the following in brief 1. Human equivalent dose 2. Positive Control						
2.	Write a note on different techniques of blood collection in experimental animals						
3.	Discuss methods used for screening of Parasympathomimetic drugs						
4.	Explain the principle of following 1. Rota rod test apparatus 2. Combined open field test						
	Enlist various models for evaluation of antiparkinson activity. Explain MPTP model in detail.						
6.	Enlist in-vivo and in-vitro methods for evaluating anti- inflammatory activity. Explain any one in detail						
7.	Wr	Write a note on screening models of Anti hypertensives					
		Enlist different methods for screening of diuretic activity. Write a note on metabolic cages					
		Write a note on Graphical representation of Data					