Time: 3 Hours	Marks: 7
Q. No. 1: Multiple Choice Questions	
Q. No. 1: Multiple Choice Questions 1) IAEC stands for a) Institute Animal Ethics Committee b) Institute Animal Economic Committee c) Institute Animal Ethics Co-Operation d) Ingenious Animal Ethics Committee	20M
2) OECD guideline No 402 is for a) Acute Dermal Toxicity b) Acute inhalation toxicity c) Acute Oral Toxicity d) Sub chronic Toxicity	
 3) During surgical procedures, Animals need no noise and warmth with temperature To Avoid hypothermia a) 30-32°C b) 37-40°C c) 35-37°C d) 25- 30°C 	ER THE STATE OF TH
4) Which Spasmogen are induced in Transgenic models for Asthma studies a) Acetylecholine b) Mectacholine c) Imdomethacin d) Onco mouse	AND AGO
5) Bioassay of oxytocin is performed on a) Guinea pig ileum b) Rat Uterus c) Frog Heart d) Rabbit eye	1
6) Zebrafish is used as non-mammalian model for screening of a) Anti-Parkinson's b) Anti-Alzheimer's c) Hypertensives d) Diuretics	1
7)can be used to study effects of pyrogen in Parenterals a) Rat b) Mice c) Rabbit d) Pigs	1
8) IN MES Methodelectric current is passed for Mice a) 30 mA b) 100 mA c) 200 mA d) 1000 mA	1

54014

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9) Elevated Plus maze is mostly employed for animal model for	10
a) Anti-Anxiety	
b) Skeletal Muscle relaxantc) Analgesics	40
d) Epilepsy	5
d) Ephopsy	r
10) Maximum volume of drug can be injected by intramuscular route	1
is a) <0.01ml/kg	A STATE OF THE STA
b) >0.05ml/kg	
c) <0.05ml/kg	Þ
d) 1ml/kg	
11) 11-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Ś
11) Used to develop thrombosis in experimental animal for coagulation	A10
a) Wire coil	3
b) Thread	
c) Oxygenators	,
d) All of above	
13) Day Assessment and Assessment an	
12) Pancreatectomy animal model is used to study of a) Type I Diabetes	S22
b) Type II Diabetes	257
c) Sympatholytic	7
d) Parasympatholytics	.4
	Ž.
13) In silico techniques are used to predict activity of test with	P
a) Testing animal models b) Computer simulated targets	
b) Computer simulated targetsc) Isolated tissues	
d) Transgenic animals	,
	É
14) is a Physical method for screening of anti-ulcer drugs	T. D.
a) Indomethacin induced gastric ulcer	7.00
b) Ethanol induced gastric ulcer	3
c) Acetic acid induced gastric ulcer d) Pylorus ligation induced gastric ulcer	Y
A Tylorida inguiron induced gustire dieer	
15) Angel of injection for intra venous route is	1
a) 90°	
b) 45°	
e) 25° d) 10°	
d) 10°	
16) Survey is a Study	1
a) Descriptive	
b) Fact finding	
c) Analytical	
d) Systematic	
17) Which animal can be used to test Mitotics	1
a) Rat	1
b) Mice	
c) Rabbit	
d) Pigs	

54014

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18) Which of the following is non-parametric method of data analysis

a) Mann-whitney test	
b) T test	40
c) ANOVA) S
d) SEM	40
19)is a statistical analysis of used to compare means between three	100
or more groups	
a) ANOVA	
b) Quantitative analysis	SY A
c) Survey)
d) Randomization	
20) Data describes quality of compthing in seen numerical formation	
20) Data describes quality of something in a non-numerical format is called as	4
a) Qualitative data	10°
b) Quantitative data	5
c) Numerical quantity	3
d) None of above	4
Q. No. 2: Answer any TWO of the following	20M
A. Enumerate methods to evaluate nootropics activity of an agent.	
Discuss one in vivo method	2,
B. Enlist the methods to evaluate skeletal muscle relaxant activity.	
Discuss two in vivo method	A
	5°
C. List the various methods used in preclinical evaluation of anti-cancer	4
agents. Discuss two in-vivo methods.	S. C.
	(A)
Q. No. 3: Answer any SEVEN of the following	35M
A. Discuss any two animal models for screening of Anti-Ulcer	O _Y
Activity A	
	4
B. Explain any two pharmacological screening methods for) ^V
Antiepileptics	
C. Write a note on Dose selection and dose calculation for laboratory	
Animals	
D. Define Euthanasia. Explain various methods of Euthanasia for	
different laboratory animals	
E. Explain two preclinical screening methods for Type I Diabetes	
F. Explain two pharmacological screening methods for Sympatholytic	
Activity	
G. Explain two preclinical screening methods for Antiiflammatory	
Activity	
H. Explain different methods for Euthansia for laboratory animals	
I. Describe one way ANOVA.	
D' D' D'	

54014