



Rajarshi Shahu College of Pharmacy, Botha Road, Malvihir, Buldhana- 443001

Department of Pharmacology

Organized

Certificate Course of Techniques Used in Preclinical Research

Test Exam Marksheet			Date : 09/02/2019
Sr. No.	Name of Participant	Max. Marks	Marks Obtained
1	Akshay G. Choudhary	20	18
2	Atish D. Darade	20	17
3	Gopal D. Adhao	20	17
4	Kiran M. Sapkal	20	18
5	Ku. Aditi G. Waghmare	20	19
6	Ku. Ankita R. Warade	20	19
7	Ku. Jayashri S Wadekar	20	16
8	Ku. Kiran S. Kalwaghe	20	16
9	Ku. Pooja V. Bharti	20	19
10	Ku. Rashmi R. Mahajan	20	18
11	Ku. Swati S Deshmukh	20	19
12	Ku. Vaishnavi R. Sawarkar	20	17
13	Mayuresh A. Shastri	20	19
14	Prashant S Chincholkar	20	19
15	Rushikesh R. Shelke	20	18
16	Sadanand P. Aswar	20	19
17	Shubham P. Bokal	20	19
18	Suraj G. Budhawar	20	16
19	Yogesh S. Tupkar	20	18
20	Ku. Pratiksha S. Bole	20	18
21	Ganesh O. Karwa	20	16
22	Ku. Rutuja G Deshmukh	20	14
23	Sachin B. Sable	20	18
24	Saurabh Kishor Dhawale	20	18
25	Ku. Sapna F. Bhanawar	20	19

Coordinator
Mr. M. N. Deokar



Principal
Dr. S. P. Jain
Rajarshi Shahu College of Pharmacy
Malvihir, Buldhana.



Rajarshi Shahu College of Pharmacy, Botha Road, Malvihir, Buldhana- 443001
Department of Pharmacology
Organized
Certificate Course of Techniques Used in Preclinical Research

Test

Name of Participant:

Date : 09/02/2019

Total Marks : 20

Time : 02:00 pm – 03: 00 pm

	Note- All questions are compulsory. Each question carries 1 mark			
	✓ Tick on correct option			
1.	Choose the correct abbreviation of Committee for the Purpose of Control and Supervision of Experiments on Animals?			
	a. CPSCEA	b. CPCSEA	c. CPGSEA	d. CPCSEOA
2.	Performing experiments on mice in order to gain insight into how a medication may work in the human body is an example of-----			
	a. Animal model studies	b. Urine analysis	c. Serology	d. Bacterial cell culture
3.	Following instruments are used for screening of drug in CNS experimental pharmacology, EXCEPT.....			
	a. Actophotometer	b. Analgesiometer	c. Rota-rod	d. Sherington rotating drum
4	The therapeutic index of a drug is measure of its.....			
	a. Safety	b. Potency	c) Efficacy	d) Variability
5	Following are the core battery test used for safety evaluation of drugs, EXCEPT.....			
	a. CNS	b. CVS	c. Respiratory system	d. Endocrine system
6	Drug development phases includes except.....			
	a. Drug discovery phase	b) Preclinical phase	c. Business and commercial activity	d. Clinical trial phase
7.	Which one of the following correct observational period for acute toxicity studies?			
	a. 1-7 Days	b. 90 Days	c. 12-24 Month	d. None of these
8.	Choose the correct abbreviation of Non-observed-adverse-effective- level?			
	a. NOEAL	b. NOAEL	c. NOELA	d. NOLAE
9.	Phocomelia is a birth defect mostly associated withtragedy			
	a. Phenytoin	b) Thalidomide	c) Penicillin	d) Phenobarbitone



Rajarshi Shahu College of Pharmacy, Botha Road, Malvihir, Buldhana- 443001

Department of Pharmacology

Organized

Certificate Course of Techniques Used in Preclinical Research

10.	Which one of the following ICH guidelines mostly deals with safety pharmacology?			
a. ICH S9		b. ICH S7A	c. ICH S4	d. ICH S2A
11.	Which one of the following most relevant animal test apparatus used for screening of antiepileptic effect of drugs in preclinical research?			
a. Hot plate apparatus		b) Stereotaxic	c) Electroconvulsometer	d. EPM
12.	The administration route for a drug injected just beneath the serous membrane lining of stomach-----			
a. IM		b. IP	c. PO	d. SC
13	Which one of the following animal is not used in experimental Pharmacology?			
a. Wistar Rats		b. Albino mice	c. Newzeland rabbit	d. Porskar
14.is animal required to be sacrificed or termination of an experiment or otherwise for ethical reasons (Painless killing)			
a. Anesthesia		b. Euthansia	c. Animal killing	d. Sacrification
15.	Which one of the relevant animal model used to screen the activity of central analgesic?			
a. Tail Flick		b. Eddy's hot plate	c. Writhing	d. All of these
16.	Following are the example of animal model for screening of antidepressant, EXCEPT:-			
a. FST		b. Tail suspension	c. OBX	d. EPM
17.	Which one of the following chemical method used to induce algesia in animals?			
a. Cold allodynia		b. Writhing	c. Formalin induced pain	d. b & c
18.	Which of the following method used for collection of blood sample in experimental animals?			
a. Tail-vein		b. Retro-orbital	c. Submandibular	d. All of these
19.	Which of the following 4R's principles involved in CPCSEA?			
a. Refinement, reuse, replacement, retreatment		b. Refinement, replacement, reduction, rehabilitation	c. Refinement, rehabilitation, reproduction, reuse	d. Refinement, reduction, retreatment, reuse
20.	Which of the following species of rat used preclinical research?			
a. Wistar		b. Spraque dawley	c. Balb C	d. a & b

Mr. M.N. Deokar
Program Coordinator



Dr. S. S. Jain
Convener
Principal
Rajarshi Shahu College of Pharmacy,
Malvihir, Buldhana.