

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY BATHINDA (Pb) - 151001

(State Univ. Estb by Punjab Govt. Act No. 5 (2015) and Approved u/s 2(f) & 12(B) of the UGC Act of 1956)



RECRUITMENT TEST OF POST

Assistant Professor in Pharmaceutical Sciences & Technology (Pharmacology)-2023

ANSWER KEY

Q. Number	Answer	Q. Number	Answer
1.	c	31.	d
2.	b	32.	c
3.	b	33.	c
4.	d	34.	b
5.	a	35.	a
6.	a	36.	c
7.	a	37.	c
8.	a	38.	d
9.	c	39.	b
10.	a	40.	b
11.	c	41.	c
12.	c	42.	c
13.	c	43.	d
14.	b	44.	a
15.	d	45.	b
16.	d	46.	d
17.	a	47.	d
18.	c	48.	b
19.	b	49.	a
20.	d	50.	c
21.	a	51.	c
22.	a	52.	a
23.	b	53.	b
24.	c	54.	b
25.	d	55.	a
26.	d	56.	c
27.	a	57.	a
28.	a	58.	b
29.	b	59.	b
30.	c	60.	a

Kauri



RECRUITMENT TEST OF POST

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Roll No. Date: Signature of the Candidate:

- Q.No.01 Indian Pharmacopoeia was first published in _____
a) 1976 a) 1966
c) 1965 c) 1955
- Q.No.02 Amitriptyline belongs to the class of
a) General anaesthetics b) Antidepressant
c) Analeptics d) Diuretics
- Q.No.03 _____ is an ultra-short acting barbiturate used as intravenous anaesthetic.
a) Thiamylal b) Thiopental
c) Methohexital d) Pentobarbital
- Q.No.04 The Ames test is a method for detecting
a) Carcinogenesis in primates b) Carcinogenesis in rodents
c) Teratogenesis in primates d) Mutagenesis in bacteria
- Q.No.05 Among which of the drug contain 8-amino quinoline nucleus in their structure.
a) Primaquine b) Chloroquine
c) Hydroxychloroquine d) Amodiaquin
- Q.No.06 Folic acid is synthesized from
a) PABA + Pteridine + Glumate b) GABA + Pteridine + Glumate
c) Both a & b d) None of the above
- Q.No.07 In India, formal pharmacy education with the introduction of a bachelor of pharmacy (BPharm) started at
a) Banaras Hindu University b) Panjab University
c) Sagar University d) BITS, Pilani
- Q.No.08 drug is non-nucleoside reverse transcriptase.
a) Nevirapine b) Zidovudine
c) Acyclovir d) Didanosine
- Q.No.09 Molecular docking cannot be used for which of the following application:
a) Screening of virtual libraries b) Lead optimization
c) X-ray crystallography d) Best molecule to synthesize
- Q.No.10 The product of aldol condensation is:
a) β -hydroxy aldehyde b) α -hydroxy aldehyde
c) β -hydroxy ketone d) α -hydroxy ester
- Q.No.11 The number of ATP required for urea synthesis is:
a) 1 b) 2
c) 3 d) 4
- Q.No.12 The Characteristic toxicity of doxorubicin is:
a) Kindey damage b) Liver damage
c) Cardiomyopathy d) Pulmonary fibrosis

- Q.No.13 In India.....ethyl alcohol is considered to be equal to 100 volumes of proof spirit.
- a) 27.5%v/v
 - b) 67.1%v/v
 - c) 57.1%v/v
 - d) 76.1%v/v
- Q.No.14 Some crystalline substance/ powders liberates water of crystallization wholly or partly on exposure to humid atmosphere are known as
- a) Hygroscopic powders
 - b) Efflorescent powders
 - c) Effervescent powders
 - d) Eutectic mixtures
- Q.No.15 Critical micelle concentration (CMC) is related to
- a) Sublimation critical point
 - b) Sorensen's pH scale
 - c) Complexation and protein binding
 - d) Concentration of the surfactant
- Q.No.16 If the angle of repose is <25 the flow property of powder is considered as
- a) Very Poor
 - b) Good
 - c) Passable
 - d) Excellent
- Q.No.17 BCS CLASS II drugs have
- a) High Permeability and Low Solubility
 - b) Low Permeability and High Solubility
 - c) Low Permeability and Low Solubility
 - d) High Permeability and high Solubility
- Q.No.18 The term "SPF" adopted by the FDA to describe the effectiveness of Sunscreens is known as
- a) Skin protection factor
 - b) Saponification factor
 - c) Sun protection factor
 - d) Spanish people follicles
- Q.No.19 The USP Type II glass containers are also known as
- a) Borosilicate glass
 - b) Treated Soda-lime glass
 - c) Soda-lime glass
 - d) General purpose glass
- Q.No.20 Which of these is NOT a package testing method
- a) Inclined impact test
 - b) Revolving drum test
 - c) Shock test
 - d) Thermoforming test
- Q.No.21 List of substances/ Drugs required to be taken only under supervision of RMP comes under
- a) Schedule G
 - b) Schedule M
 - c) Schedule J
 - d) Schedule H
- Q.No.22 A drug shall be deemed to be spurious if
- a) It is imported under a name which belongs to another drug
 - b) It consists, in whole or in part, of any filthy, putrid or decomposed substance;
 - c) It is made to appear of better or greater therapeutic value than it really is
 - d) It is not labelled in a prescribed manner
- Q.No.23 Drug delivery System in which maintain constant level of drug in blood and tissue for extended period of time is known as
- a) Sustained release
 - b) Controlled release
 - c) Nonlinear release
 - d) Delayed release
- Q.No.24 The possible routes of drug absorption through oral mucosa is/are
- a) Transcellular
 - b) Paracellular
 - c) Both
 - d) None of the above

- Q.No.25 The tablet defects mottling refers to
a) Weight variation b) Increased hardness
c) Improper shape d) Unequal color distribution
- Q.No.26 Which of the geographical regions are involved in International Council for Harmonisation (ICH):
a) United States b) Europe
c) Japan d) all above
- Q.No.27 Steven Johnson syndrome is the most common ADR of
a) Sulphonamides b) Penicillins
c) Tetracyclines d) Chloramphenicol
- Q.No.28 Father of chemotherapy
a) Paul Ehrlich b) Gerhard Domagk
c) Alexander Fleming d) Howard Florey
- Q.No.29 Name of the first antibiotic to be used clinically in 1941.
a) Penicillin V b) Benzyl penicillin
c) Cloxacillin d) Amoxicillin
- Q.No.30 GLP is a formal regulation that was created by
a) WHO b) ICMR
c) USFDA d) All of the above
- Q.No.31 Which veda contains ancient knowledge of medicine?
a) Rigveda, b) Samaveda,
c) Yajurveda d) Atharvaveda
- Q.No.32 Following is glycine antagonists
a) Quisqualate b) Taurine
c) Strychnine d) \hat{a} -alanine
- Q.No.33 Which of the following is an ergot derivative used in Parkinson's disease as a dopamine agonist
a) Levodopa b) Carbidopa
c) Bromocriptine d) Selegiline
- Q.No.34 What structure in the brain releases the hormone melatonin?
a) pituitary gland. b) pineal gland
c) choroid plexus d) hypothalamus
- Q.No.35 Is Responsible For Approval of Drugs, Conduct of Clinical Trials, Laying Down The Standards For Drugs, in the Country
a) CDSCO b) ICMR
c) DST d) PCI
- Q.No.36 -----means a formulation sold in pharmacopeial name or the name of the active pharmaceutical ingredient contained in the formulation, without any brand name.
a) Branded b) Patented
c) Generic d) Proprietary
- Q.No.37 Tetracycline should not be taken with
a) Lemon juice b) Pomegranate juice
c) Milk d) Coconut water
- Q.No.38 Which of the following is detected by ELISA?
a) Protein b) Hormones

- c) Antibodies
d) All of the above
- Q.No.39 In 1954 which of the following act is passed
a) Narcotic & psychotropic substances act
b) Drug and magic remedies act
c) The medicinal termination of pregnancy act
d) Poisonous Act
- Q.No.40 The distribution of drugs into central nervous system (brain) usually depends on
a) Aqueous diffusion
b) Lipid diffusion
c) Active transport
d) Facilitated transport
- Q.No.41 The drug with the Latin name *Withania somnifera* is.
a) Brahmi
b) Hyoscyamus
c) Ashwagandha
d) Ipecac
- Q.No.42 Eugenol is present in
a) Linseed oil
b) Coriander
c) Clove oil
d) Fennel
- Q.No.43 High plasma protein binding
a) Increases the volume of distribution of the drug
b) Facilitates glomerular filtration of the drug
c) Minimizes drug interactions
d) Generally, makes the drug long acting
- Q.No.44 Which of the following is an irreversible inhibitor of cyclooxygenase?
a) Aspirin
b) Phenylbutazone
c) Indomethacin
d) Piroxicam
- Q.No.45 Therapy of choice in Zollinger Ellison syndrome is
a) Ranitidine
b) Omeprazole
c) Sucralfate
d) Carbenoxolone sodium
- Q.No.46 Following is a G-protein coupled receptor
a) AMPA
b) Kainate
c) NMDA
d) Metabotropic
- Q.No.47 Which of the following is a neurotransmitter in the central nervous system (CNS)
a) Acetylcholine
b) Noradrenaline
c) Dopamine
d) All of the above
- Q.No.48 Which of the following is the largest exocrine gland in human body?
a) Pancreas
b) Liver
c) Thyroid
d) Gall Bladder
- Q.No.49 Angiotensin-II is
a) Octapeptide
b) Decapeptide
c) Proteolytic enzyme present in kidney
d) Beta adrenergic blocking agent
- Q.No.50 The Pharmacy Education Regulations are laid down by
a) Central Government
b) State Government
c) Pharmacy Council of India
d) State Pharmacy Council
- Q. No 51 What is composition of vagus nerve ?
a) Entirely sensory
b) Purely motor
c) $\frac{3}{4}$ sensory $\frac{1}{4}$ motor
d) $\frac{1}{4}$ sensory $\frac{3}{4}$ motor
- Q. No 52 Avidin, a protein found in egg white is an antagonist of
a) Biotin
b) Pantothenic acid

- Q. No 53 c) Pyridoxal Succimer
 a) Can significantly mobilize essential metals
 b) Produces less toxicity than Dimercaprol
 d) Choline
- Q. No 54 c) Is contraindicated in children
 USFDA approved recent drug for Alzheimer's disease
 a) Momelotinib
 b) Iecanemab
 c) Zuranolone
 d) Motixafortide
- Q. No 55 'Red man syndrome' has been associated with rapid intravenous injection of the following antibiotic
 a) Vancomycin
 b) Clindamycin
 c) Cefoperazone
 d) Piperacillin
- Q. No 56 Delta cells (D cells) in pancreas secrete the hormone
 a) Insulin
 b) Glucagon
 c) Somatostatin
 d) Ghrelin
- Q. No 57 The ring structure present in strychnine
 a) Indole
 b) Pyrrolle
 c) Pyridine
 d) Piperidine
- Q. No 58 Bees wax mainly contains
 a) Palmitin
 b) Myricin
 c) Stearin
 d) Cerotic acid
- Q. No 59 Rectal suppositories intended for adult use usually weigh approximately
 a) 1g
 b) 2g
 c) 3g
 d) 4g
- Q. No 60 The absolute stereochemistry of penicillins is designated as
 a) 3S: 5R: 6R
 b) 3R: 5R: 6R
 c) 3S: 5S: 6S
 d) 3S: 5R: 6S