

Faculty & Branch: PHARMACY/PHARMACEUTICAL SCIENCES

S. N.	
Q. 1	Carr's index is used to determine (A) Powder flow (B) Particle size (C) Elasticity (D) Polymorphism
Q.2	List of diseases that a drug should not claim to cure is given in Schedule (A) J (B) L (C) C (D) H
Q.3	Cell wall of gram negative bacteria possesses the following characteristics: (A) Lacks lipids (B) Lacks techoic acid (C) Lacks carbohydrates (D) Lacks proteins
Q.4	The most important barrier to drug transport when applied topically to the skin is: (A) Dermis (B) Stratum corneum (C) Sweat glands (D) Hair follicles
Q.5	How many grams of a drug are required to prepare 500 ml of a 1:2500 solution? (A) 1.25 (B) 0.4 (C) 0.02 (D) 0.2
Q.6	Sink condition is necessary in the process of absorption because (A) It increases the disintegration of the dosage form (B) It increases the dissolution process of the drug by maintaining the concentration gradient (C) It increase the process of absorption by facilitating the transfer of drug across the cell membrane (D) None of the above
Q.7	The properties of solutions containing surface active agents change sharply over a narrow concentration range and is called as- (A) Critical Micelle concentration (B) Ionic concentration (C) Hydrogen ion concentration (D) Surface tension
Q.8	Mean Residence Time (MRT) is:

	<p>(A) AUMC/Cp (B) AUMC/AUC (C) AUC/AUMC (D) 1/AUMC</p>
Q.9	<p>Staphylococcus aureus is used for the IP assay of:</p> <p>(A) Bleomycin (B) Carbeniciliin (C) Kannamycin (D) Doxycycline</p>
Q. 10	<p>A rolling cabinet at a hospital which is used to dispense emergency medication is commonly called a :</p> <p>(A) EMS Cart (B) Stash Cart (C) Crash Cart (D) Blue Cart</p>
Q. 11	<p>Choose the right test for identification of anthraquinones</p> <p>(A) Marquis test (B) Froehde test (C) Liebermann-Burchard test (D) Bornträeger test</p>
Q. 12	<p>Saponin containing drugs are used as:</p> <p>(A) Laxative (B) Bitter tonic (C) Expectorant (D) Emetic</p>
Q. 13	<p>Shatavari contains</p> <p>(A) Terpenoids (B) Cardiac glycosides (C) Saponin glycosides (D) Isoquinoline alkaloids</p>
Q. 14	<p>Salkowski test confirms the presence of</p> <p>(A) Tannins (B) Carbohydrates (C) Terpenes (D) Alkaloids</p>
Q. 15	<p>Micropropagation of the plants is carried out through:</p> <p>(A) Cross fertilization (B) Seed germination (C) Plant tissue culture (D) Grafting</p>
Q. 16	<p>The ring structure present in strychnine is:</p> <p>(A) Indole (B) Pyrrole (C) Pyridine (D) Piperidine</p>
Q. 17	<p>Chenopodium oil is used for</p>

	<p>(A) Hook worm disease</p> <p>(B) Diarrhoea</p> <p>(C) Cough</p> <p>(D) Malaria</p>
Q. 18	<p>The pungent principle present in ginger is:</p> <p>(A) Zingiberol</p> <p>(B) Zingiberene</p> <p>(C) Gingerol</p> <p>(D) Cineol</p>
Q. 19	<p>Which of the following not belong to Umbelliferae family:</p> <p>(A) Dill</p> <p>(B) Fennel</p> <p>(C) Asafoetida</p> <p>(D) Glycyrrhiza glabra</p>
Q. 20	<p>Acid value is defined as:</p> <p>(A) Number of milligram of potassium hydroxide required to neutralize one gram of fat or oil</p> <p>(B) Number of gram of potassium hydroxide required to neutralize one gram of fat or oil</p> <p>(C) Number of Kilogram of potassium hydroxide required to neutralize one gram of fat or oil</p> <p>(D) Number of ml of potassium hydroxide (5N) required to neutralize one gram of fat or oil</p>
Q. 21	<p>A drug that causes xerostomia is</p> <p>(A) A cholinergic agent</p> <p>(B) An anticholinergic agent</p> <p>(C) An antiadrenergic agent</p> <p>(D) A cholinesterase inhibitor</p>
Q. 22	<p>Foods rich in tyramine must be restricted while on monoamine oxidase inhibitors (MAOI's) because of the possibility of:</p> <p>(A) Weight gain</p> <p>(B) Severe hypotension</p> <p>(C) Ataxia</p> <p>(D) Severe hypertension</p>
Q. 23	<p>Which of the following reduces gastric acid secretion by blocking H₂ receptor</p> <p>(A) Cisapride</p> <p>(B) Omeprazole</p> <p>(C) Ranitidine</p> <p>(D) Hydroxyzine</p>
Q. 24	<p>The following 5-HT receptor is not a G protein coupled receptor:</p> <p>(A) 5-HT₁</p> <p>(B) 5-HT₂</p> <p>(C) 5-HT₃</p> <p>(D) 5-HT₄</p>
Q. 25	<p>The following is a selective 5-HT₄ agonist:</p> <p>(A) Buspirone</p>

	(B) Sumatriptan (C) Clozapine (D) Cisapride
Q. 26	Gray baby syndrome is the side effect of (A) Penicillin (B) Paracetamol (C) Chloramphenicol (D) Ibuprofen
Q. 27	Which of the following is an irreversible inhibitor of cyclo-oxygenase: (A) Aspirin (B) Phenylbutazone (C) Indomethacin (D) Piroxicam
Q. 28	Ethosuximide is: (A) Muscle relaxant (B) Anticonvulsant (C) Antidepressant (D) Hallucinogen
Q. 29	All are calcium channel blockers except (A) Felodipine (B) Nitrendipine (C) Pirenzepine (D) Amlodipine
Q. 30	Which of the following drug is used to inhibit uric acid synthesis (A) Allopurinol (B) Trimethoprin. (C) Methoxamine. (D) Furosemide
Q. 31	Freezing point depression is measured by (A) Beckmann's apparatus (B) Land's Berger's apparatus (C) Antifreeze apparatus (D) None of the above
Q. 32	The head overlap of p-orbitals of two atoms give rise to bond called (A) Sigma bond (B) Pi bond (C) Ionic bond (D) Covalent bond
Q. 33	The polarity of a molecule is expressed by (A) Bond strength (B) Dipole moment (C) Bond length (D) Shape
Q. 34	Standard used for NMR is (A) Trimethyl Silane (B) Tetramethyl Silane

	(C) Tetraethyl Silane (D) Triethyl Silane
Q. 35	Lidocaine is synthesized from (A) 2,6 Xylidene (B) 2,4 Xylidene (C) o-Toluidine (D) p-Toluidine
Q. 36	One of the following is not an aldose (A) Glucose (B) Galactose (C) Mannose (D) Fructose
Q. 37	Ozonolysis of an organic compound gives formaldehyde as one of the products. This confirms the presence of (A) Two ethylenic double bonds (B) A vinyl group (C) An isopropyl group (D) An acetylenic triple bond
Q. 38	Which amino acid can form disulphide bonds? (A) Glycine (B) Proline (C) Glutamate (D) Cysteine
Q. 39	How many stereoisomers of 3-bromo-2-butanol $\text{CH}_3\text{CH}(\text{OH})\text{CHBrCH}_3$ exist? (A) Three (B) One (C) Two (D) Four
Q. 40	Which one of the following indicator is used in complexometric titration (A) Phenolphthalein (B) Methyl orange (C) Murexide (D) Methyl Red

Exam: PhD-PET

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PAPER SETTER ID-No:

ANSWER KEY

Q. N.	Answer	Q. N.	Answer
1	A	21	B
2	A	22	D
3	B	23	C
4	B	24	C
5	D	25	D
6	B	26	C
7	A	27	A
8	B	28	B
9	D	29	C
10	C	30	A
11	D	31	A
12	C	32	A
13	C	33	B
14	D	34	B
15	C	35	A
16	A	36	D
17	A	37	B
18	C	38	D
19	D	39	D
20	A	40	C