

GANPAT UNIVERSITY
PH.D. ENTRANCE TEST JULY – 2017
FACULTY OF PHARMACY
[PHARMACY]
SECTION – B

Instruction:

- (a) The Question Paper consists of two Parts.
 (b) Part – I of Question Paper consists 25 objective types of questions each of one marks. Correct answer is to be write as **A, B, C** or **D** in given separate answer sheet.
 (c) Part – II of Question Paper consists 5 descriptive type of questions each of 5 marks. The answers are to be write in given answer book.
 (d) All Questions are compulsory.

Part-I

1	Which one of the following us used as abrasive in dentifrices?		
A•	Dicalcium phosphate	C	Clove oil
B	Menthol	D	Lactose
2	In capsules ROTOSORT is used for -		
A	Filling powder in to capsules	C	Filling pellets in to capsules
B	Filling liquids in to capsules	D	Sorting the unfilled or damaged capsules
3	Excipient which enhance the solubility in tablet formulation is		
A	MCC	C	Talc
B•	PEG•	D	Lactose
4	Identify correct non-flammable propellant from following.		
A	Trichloro monofluoro methane	C	Dichloro monofluoro methane
B	Dimethyl ether	D	Difluoro methane
5	Water soluble coating material in microencapsulation process is-		
A	Polyethylene	C	Hydroxy ethyl cellulose
B	Silicon	D	Parrafin
6	Which of the following is not biogenetically derived from Tryptophan?		
A	Quinine	C	Reserpine
B•	Morphine	D	Lysergic acid
7	Artemisia belongs to which class?		
A	Anticancer	C	Antimalarial
B•	Antihyperlipidemic	D	Antiarthritic
8	Which one of the following is true for Pseudoalkaloid?		
A	Ephedrine	C•	Quinidine
B	Colchicine	D	None of above
9	Beljet test is used to detect which of the following.		
A	Digoxin	C	Quinine
B•	Reserpine	D	Caffiene
10	Schedule T describe -		
A	Standards for cosmetics	C	Standard for Anti Tuberculosis drugs.
B	Standards for Ayush Products	D•	Guidelines for toxicity studies.
11	Which of the following emissions is used for the sterilization of surgical products?		
A	Gamma	C	X-Ray
B	Alpha	D	All of the above
12	Schick test is used to ascertain the susceptibility to -		
A	Tetanus	C	Diphtheria
B	Syphilis	D	Mumps

13	Common organism that causes meningitis belong to the genus-		
A.	Candida	C	Clostridium
B	Pseudomonas	D	Neisseria
14	Lactose intolerance is because of the lack of -		
A	Acid phosphatase	C	Amylase
B.	Lactate dehydrogenase	D	Reductase
15	Molecule which control protein biosynthesis in living organism is-		
A.	RNA	C	DNA
B	Purine	D	Pyrimidine
16	Which one of the following is used as local anaesthetic in parenteral formulation?		
A	Acetic acid	C	Benzyl alcohol
B	Sorbitol	D	Ethyl alcohol
17	Famotidine acts as-		
A	H ₁ - antagonist	C	H ₂ - antagonist
B.	Proton pump inhibitor	D	H ₁ - agonist
18	Which one of the following is narcotic analgesic?		
A	Ibuprofen	C	Codeine
B	Morphine	D	Both – B and C
19	Which of the following antineoplastic agent is metabolized by xanthine oxidase?		
A.	6-Mercaptopurine	C	Chlorambucil
B	Vincristine	D	6-Thioguanine
20	Parkinsonism is probably due to -		
A.	Low dopamine level in the brain	C	Low Acetyl choline in the brain
B	Low levodopa in the brain	D	High levodopa in the brain
21	Drug of choice in motion sickness is-		
A	Atropine	C	Carbamazepine
B.	Scopolamine	D	Diazepam
22	Which of the following diuretic is most commonly used in combination of several antihypertensive agents?		
A	Furosemide	C	Spirolactone
B.	Hydrochlorothiazide	D	Ethacrynic acid
23	The primary action of digoxin on heart is-		
A.	Increased contractibility of heart muscle	C	Increase in heart rate
B	Blocking of re-entry arrhythmia	D	Inhibition of vagal tone
24	Reference compound widely used in NMR in non –aqueous medium is-		
A	Silane	C	Tetra Methyl Silane
B	DPPPH	D	Peroxyamide Di-sulphonate
25	Which one of the following indicator is used in Complexometric titration?		
A.	Murexide	C	Eosin
B	Methyl orange	D	Crystal Violet

Part-II

1. What are alkaloids? Give classification and pharmacology of important alkaloids.
2. Write a note on transdermal drug delivery system.
3. What is Drug-Drug Interaction? Give examples of some popular Drug-Drug interactions.
4. Give classification of Antihistaminic drugs. Give mode of action of H₁ antagonist?
5. Write a note on HPLC?

KANPUR UNIVERSITY
Ph.D Entrance Test July 2017
Faculty of Pharmacy
[PHARMACY]
SECTION - B

Answer Key

Ph.D entrance test for Pharmacy (July 2017) - Part - 1 (Section B)

Que.	Ans.	Que.	Ans.
1	A	14	B
2	D	15	C
3	A	16	C
4	A	17	C
5	C	18	B
6	B	19	A
7	C	20	A
8	D	21	B
9	A	22	B
10	B	23	A
11	A	24	C
12	C	25	A
13	D		