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BOOKLET	NO.	212

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TBC: AKG-AP-PHARMACEUTICS-17

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Time Allowed :	- 0	Hours	[Diaxillion	TAKENT ACTO	_	200
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INSTRUCTIONS

- IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET DOES NOT HAVE ANY UNPRINTED OR 1. TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
- You have to enter your Roll Number on the Test Booklet 2. in the Box provided alongside. DO NOT write anything else on the Test Booklet.
- This Test Booklet contains 100 items (questions). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct 3. response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.
- You have to mark all your responses ONLY on the separate Answer Sheet provided. No 4. erasing/correction fluid is allowed.
- All items carry equal marks. 5.
- Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions 6. sent to you with your Admission Certificate.
- After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator only the Answer Sheet. You are 7. permitted to take away with you the Test Booklet.
- Sheets for rough work are appended in the Test Booklet at the end. 8:
- Penalty for wrong answers : THERE WILL BE PENALTY (NEGATIVE MARKING) FOR WRONG ANSWERS 9. MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
 - There are four alternatives for the answers to every question. For each question for which a wrong answer has been given by the candidate, one fourth (0.25) of the marks assigned to that question will be deducted as penalty.
 - If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answer happen to be correct and there will be same penalty (ii)as above for that question.
 - If a question is left blank i.e. no answer is given by the candidate, there will be (iii)no penalty for that question.
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1. In a prescription 'Direction to the Which of the following is not an 3. Pharmacist' is called as: example of Oleaginous Base? (A) Superscription (A) White petrolatum (B) Inscription (B) Hydrophilic petrolatum (C) Subscription (C) White ointment (D) Signatura (D) Yellow ointment The term Lavigation is used in 2. (A) Size reduction in small scale 4. In gels, the term 'magma' is referred preparation of ointments to as : (B) Size reduction in small scale (A) Single-phase gel preparation of powders (B) Two-phase gel (C) Size reduction in large scale (C) Jellies preparation of colloids (D) None of the above (D) Gels having low viscosity TBC: AKG-AP-PHARM.-17

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5.	'Caulking gun' system is used for	8. Alkaloidal incompatibility is an
	filling of:	example of:
	(A) Ointment jars	
	(B) Ointment bottles	(A) Physical
	(C) Ointment tubes	(B) Chemical
3	(D) Both (A) and (B)	(C) Therapeutic
6.	Pyroxilin is present only in : (A) Liniments	(D) None of the above
	(B) Collodions	9. Number of meshes in a length of
575	(C) Extracts	25.4 mm (i.e. 1 inch), in each
	(D) Lotions	direction is known as :
7.	Bentonite is the silicate of:	(A) Sieve number
	(A) Mg	(B) Sieve diameter
	(B) Al	
	(C) Ca	(C) Nominal size aperture
	(D) C	(D) None of the above
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10. The temperature which is given by 12. Pearlite used as filter aid, which a heat balance between the initial is : unsaturated vapor-gas mixture and the final saturated mixture at (A) Silica and aluminium silicate thermal equilibrium is known as : (B) Charcoal (A) Dry bulb temperature (C) Kaolin (B) Wet bulb temperature (C) Adiabatic saturation temperature (D) Gelatin (D) Enthalpy The ε (emissivity) of a black body 11. When the value of the Reynolds is : number is less than 2000, the type of flow is : (A) 1.0 (A) Streamline (B) 1.5 (B) Transition (C) 2.0 (C) Turbulent (D) 0.5 (D) None of the above

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Grade 5 of sintered glass filters are 17. According to Rittinger theory: used for : (A) Energy used in rack propaga-(A) Non-sterile filtration (B) Sterile filtration tion is proportional to the new (C) Both (A) and (B) crack length produced (D) None of the above Ball mill works on the principle of : (B) Energy used in deforming a set (A) Impact of particles of equivalent shape (B) Attrition is proportional to the ratio of (C) Compression (D) Impact and Attrition both change of size 16. Movement of particles during size (C) Energy required in a size reducseparation can be enhanced by : tion process is proportional to (A) Mixing (B) Attrition the new surface area produced (C) Gravitation (D) All of the above (D) Agitation P.T.O. TBC: AKG-AP-PHARM.-17

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20. Condensation occurs when a 18. Latent heat of vaporization is the saturated vapor comes in contact specific enthalpy change associated with a surface whose temperature is : with: (A) Less than the saturation (A) Drying temperature (B) Filtration (B) Greater than the saturation temperature (C) Evaporation (C) Neither greater than nor (D) None of the above less than the saturation temperature 19. Which medium is more effective for (D) None of the above thermal radiation ? 21. Most abundantly present immunoglobulin in the body is: (A) Air (A) IgG (B) Vacuum (B) IgM (C) Water (C) IgA (D) IgD (D) Insulated with cotton

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Staphylococcus aureus is 25. Turbid or cloudy solutions are example of: assayed by: (A) Gram positive bacteria (A) Turbidimetric method (B) Gram negative bacteria (C) Rickettsias (B) Cylinder plate method (D) Mycoplasm (C) Cup and plate method 23. Gram staining is also known as : (A) Acid fast staining (D) None of the above (B) Negative staining Nutrient medium consisting of (C) Differential staining water, beef extract, peptone protein (Df Simple staining supplement is known as : 24. Which medium is best suited for testing of Bacillus subtilis? (A) Simple medium (A) Soyabean casein digest medium (B) Nutrient broth (B) Empirical medium (C) Fluid thioglycolate medium (C) Complex medium (D) Alternate fluid thioglycolate (D) Empirical medium medium P.T.O. TBC: AKG-AP-PHARM.-17

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27. To confirm the efficiency of radiation 29. Schick test works on the principle sterilization, the biological indicator of: used is : (A) Radioimmuno assay (A) Bacillus subtilis (B) Complexation reaction (B) Bacillus pumilis (C) Toxin neutralization (C) Clostridium sporgenes (D) Agglutination (D) Candida albicans In production of vitamin B12 by 30. Rideal-walker coefficient for grade 2 fermentation, the strain used is: disinfectant is : (A) Clostridium butylicum (A) 15 (B) Ashby gossypii (B) 10 (C) Presdomonas denitrificans (C) 12 (D) Salmonella typhi (D) 5 TBC: AKG-AP-PHARM.-17

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Licenses which are made in Form 37. Wholesale of drugs specified in 24-A and issued in Form 25-A schedule X is issued under form : are: (A) 21A (A) Repackaging licenses (B) 20G (B) New drug license (C) 25B (C) Loan license (D) None of the above 36. Sera, solutions, toxins are regulated 38. Poison Act was passed in : under: (A) 1921 (A) Schedule C (B) 1952 (B) Schedule Y (C) 1982 (C) Schedule E1 (D) Schedule FF (D) 1919 TBC: AKG-AP-PHARM.-17 10

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42.	Hargen's gas bearing electro- dynamometer is used to monitor :			
	(A) Thyrotrophic behavior	(A) Carnauba wax		
((t	(B) Viscoelastic behavior	(B) Candeilia wax		
	(C) Viscosity	(C) Ozokerite wax		
	(D) Both (A) and (B)	(D) Hard paraffin		
43.	Cold compression method is used for	45. The lipstick defect in which it		
	preparation of:	appears dull is called as:		
	(A) Ointments	(A) Streaking		
	(B) Suppositories	(B) Sweating		
	(C) Pessaries	(C) Bleeding		
	(D) Enema	(D) Blooming		
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46.	What is the use of selenium sulfide	48. Color of calamine is due to:
	in shampoos ?	(A) Ferrous sulfate
	(A) Surfactant	(B) Ferrous oxide
	(B) Anti-dandruff agent	(C) Ferric oxide (D) Calcium oxide
	(C) Conditioning agent	49. Honeywill atlas is the common
	(D) Foam booster	name of : (A) Spans
47.	Draize test is used for which of the	(B) Tweens
	following for a shampoo ?	(C) Ploxaloids (D) Macrogels
	(A) Skin irritation	50. Wursters process means :
	(B) Skin sensitivity	(A) Pan coating
	(C) Foamibility	(B) Coacervation
	(D) Preservative activity	(C) Air suspension
	: AKG-AP-PHARM17	(D) Solvent evaporation P.T.O.

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51.	What is the value of Hauser's ratio	54.	Wool fat is:
	for good flow ?		(A) Hydrous lanolin
	(A) 1.05-1.18		(B) Anhydrous lanolin
	(B) 1.14-1.20		(C) Bees wax
	(C) 1.22-1.26		(D) Hard paraffin
	(D) 1.26-1.30	55.	Draves test is associated with
52.	Triclosan is used as:		measuring the efficiency of:
	(A) Anti-bacterial		(A) Detergents
	(B) Binding agent		(B) Wetting agents
	(C) Preservative		(C) Suspending agents
	(D) Anticaries		(D) Adsorbent
53.	An apparatus used to measure		
	thixotropy is :	56.	Mailard reaction is shown by:
	(A) Manometer	्रं	(A) Spray dried lactose
	(B) Rotameter	3.	(B) Anhydrous lactose
	(C) Sorptometer		(C) Hydrous lactose
	(D) Penemeter		(D) Starch
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57.	In tablet defects, the material	60.	Water attack test is perform	ned
	adhering to die wall is referred		for:	
	as:	**	(A) General purpose soda lime	
	(A) Capping		(B) Borosilicate	
	(B) Picking		(C) Treated soda lime	
	(C) Sticking		(D) Soda lime	
	(D) Mottling	61.	A propellant used in aerosols	s is
58.	The smallest capsule size for human consumption is:	A	selected on the basis of : (A) Density	
	(A) 0	IV	(B) Vapor pressure	
	(B) 1 (C) 3		(C) Boiling point (D) All of the above	
50	(D) 5	62.	A parenteral preparation sho	uld
59.	A water insoluble coating agent used in microencapsulation is:	O.Z.	have a pH of :	uiu
	(A) Polyamides		(A) 6.9	
	(B) Polyvinyl alcohol		(B) 7.0	
	(C) Polyacrylic acid		(C) 7.4	
	(D) PVP		(D) 7.8	200
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63.	Isoelectric point of type B gelatin	65. AUC reflect the :
	is:	(A) Amount of active drug which reaches the systematic
	(A) 3.7	circulation
	(B) 4.7	(B) Amount of active drug which is
		absorbed
	(C) 5.7	(C) Amount of active drug which is
	(D) 5.0	protein bounded
64.	Sublingual administration of drugs	(D) Amount of active drug which is
37.57		metabolized
	involve:	66. Insecticide Act was passed in the
	(A) Swallowing the tablet	year:
	(B) Chewed the tablet	(A) 1976
		(B) 1950
	(C) Beneath the tongue	(C) 1949
	(D) All of the above	(D) 1968
TYD	C . AVC AD DUARM 17	16

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(C) Basic nature

(D) Colloid nature

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(C) Both (A) and (B)

(D) None of the above

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72. Passive diffusion is described by : 75. Rhusma was the firstly reported :-(A) Nail preparation (A) Ficks first law (B) Shampoo (B) Ficks second law (C) Hair gel (C) Ficks third law (D) Depilatory (D) Ficks fourth law Widal test is used for the detection 73. Xenobiotics are considered : of: (A) Endogenous (A) Rickettsial diseases (B) Exogenous Typhoid fever (C) Inorganic poisons (C) Syphilis (D) Toxins (D) Malaria 74. Cellulose acetate phthalate is an 77. What is the duration of sweat agent used in sugar coating of tablet collection in gravimetric method of as : evaluation of anti-perspirants ? (A) Seal coating (A) 20 minutes (B) Sub coating (B) 30 minutes (C) Syruping (C) 40 minutes (D) Polishing (D) 50 minutes TBC: AKG-AP-PHARM.-17 18

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78.	The correct equivalent for $-10^{\circ}\mathrm{C}$	80. HLB system is used to classify:
	is:	(A) Surfactants
	(A) -10°F	(B) Preservatives
	(B) +22°F	(C) Antioxidants
	(C) -18°F	(D) Sequestering agents
	(D) +14°F	81. The title of Netaji Subhash Chandra
		Bose unfinished book is:
79.	The loading dose of a drug is based upon the :	(A) Indian Abroad (B) My Freedom
	(A) Time taken for complete	
		(C) An Indian Pilgrim
	elimination	(D) A Truth
	(B) Percentage of drug excreted	82. In which year the Wildlife
	unchanged in urine	Protection Act was introduced in
	(C) Percentage of drug bound to	India ?
	plasma protein	(A) 1972
	(D) Apparent volume of distribution	(B) 1980
	and the desired drug	(C) 1960
	concentration in plasma	the state of the s

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85. Which mountain form boundary 83. Which one of the following is between Spain and France? the Chairman of the National (A) Pyrenees Development Council ? (B) Andes (A) President of India (C) Rockies (B) Finance Minister of India (D) Jura (C) Prime Minister of India Which of the following has been (D) Vice-President of India described as the "Soul of the Indian Constitution" ? Which Planet is referred to as a (A) The Parliament "Dwarf Planet" ? (B) Directive Principles of State (A) Mars Policy (B) Mercury (C) Fundamental Rights (C) Pluto (D) Right to Constitutional Remedies (D) Saturn TBC: AKG-AP-PHARM.-17

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Which of the following articles 87. Council of Ministers is collectively deals with the Scheduled and responsible for: Tribal Areas ? (A) President (A) Article 311 (B) Prime Minister (B) Article 203 (C) Parliament (C) Article 220 (D) Lok Sabha (D) Article 244 The name of the great maestro of 90. Who was the permanent President Indian music, "Ustad Bismillah of the Constituent Assembly ? Khan" is related to (A) Sachidananda Sinha (A) Flute (B) Dr. B.R. Ambedkar (B) Sarod (C) Jawahar Lal Nehru (C) Shehnai (D) Dr. Rajendra Prasad (D) Tabla

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(A) Pacchad

(B) Rajgarh

(C) Renuka

(D) Shilai

(A) Koksar

(B) Udaipur

(C) Tandi

(D) Mindhal

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Dam

(D) Shimla