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Pharmacorner

For GPAT & NIPER JEE.

- ✓ We provide Model Papers & Notes.
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- ✓ For GPAT

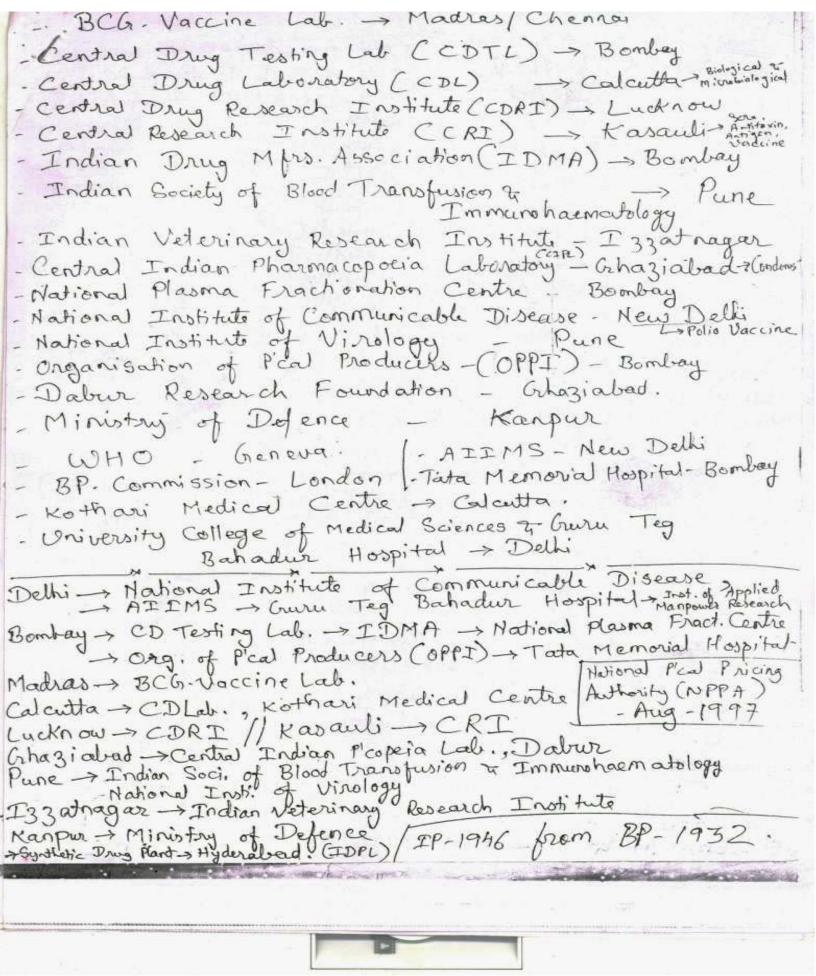
(15 Model Paper + notes)

- Notes includes imp tables
- Model Paper according to GPAT Syllebus covered all subjects.
- Key Notes
- Question Bank for imp subjects.
- ✓ For NIPER JEE

(5 Model Paper + imp materials by mail)

- Research Articals. (More than 50)
- USFDA drugs
- NIPER Notes (all imp topics for NIPER JEE)
- All imp notes for Organic Chemistry, Pharma. Analysis, Management
- NIPER JEE Previous Question Papers
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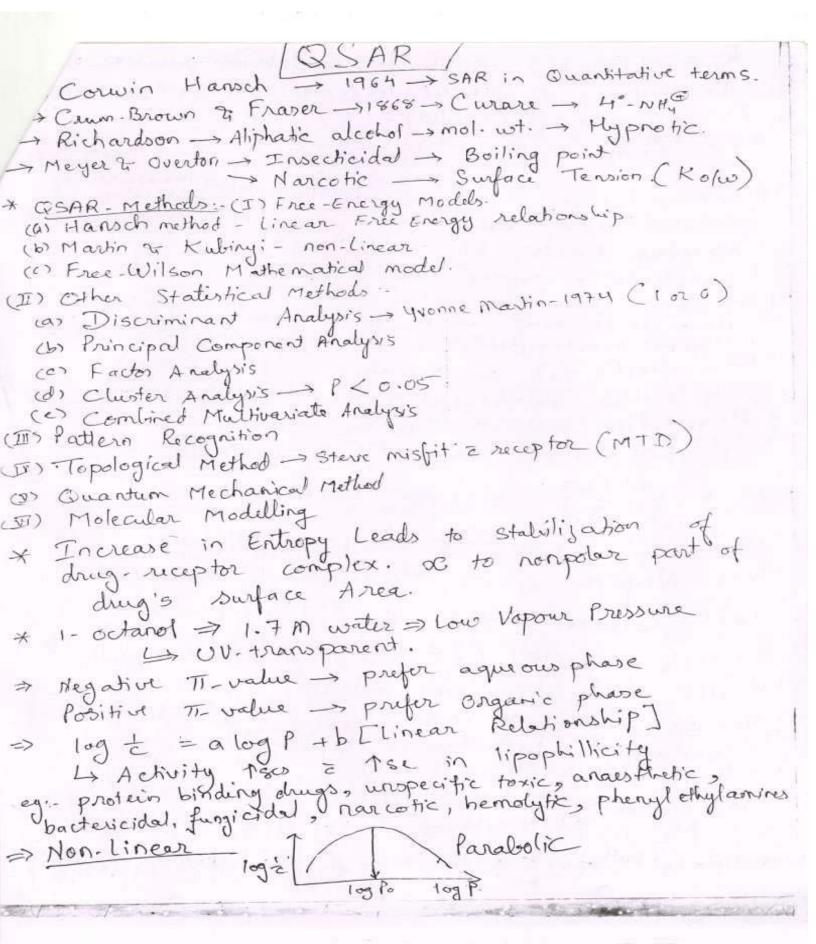


* Jury: Poison Act > 1919 / Opium Act - 1857, 1878 Dangerous Drug Act - 1930 fcmelly To Asimal Act - 1950.

Drug Act - 1940, Drug rules - 1945,

Dhannach At 1968 Pharmacy Act - 1948 Rung Technical Advisory Board

Advisory Board - DTAB to DCC - Drug Consultation Consultation Treconstitution -> Opium Act - 1857, 1878 // Poison Act - 1919 Dangerous Drug Act - 1930/Drug Act - 1940. Post-constitution -> Pharmacy Act-1948, Drug & Magic - Medicinal & Toilet Prop (Excise Dulies) - 1955, 1976 - The Drugs (Price Display of Control) Onder-(966) 70-69/87, 95 x Dung to Coodetic Act - 1940 Drug Policy - 1986. / Patent Act-1970-72-99 PCI -> Elected - Six > VGC-(Pharmacy, P. chem., cogne., cology) L> Nominated - Six => UGC representative & AICTE(1987) L> Ex- officio => Director General of Health Services, Director-CDL, Drug Controller of India X Cosmetic Colour -> 2ppm-Arsenic, 20ppm-Lead. X Schedule - Ge -> Cancer, Divietic, Oral hypogly caemic, Hydantoin, Insulin, Antihistaminic * Schelule - 0 -> Grade - 1(18), 2(10), 3 (05 X Sch-F- Vaccines, Toxins, Antigens & Sera. * Sch-W- Generic Names - Analgin, Fesous Aspinins, Sch-M & 4 -> 1988 - march - Hy ter allen



Km = log (Rf -1) -> Not true equilibrium parameter ontho effect a o-disubstituted leads to low log P & Tr. vali = 07 - ortho = (17 O-subst) - (17 P-subst.) in V' . mol.wt. Reparticity = n2-1 mol.wt. = PA = 2 mol. wt.

Respectivity = n2+2 density = PA = 2 mol. wt.

density

re

Polarisability = measure of

polarisability = dispersion of MR W. Pinachor are intracted Molar volumes dipole. induced dipole forces. inpucity Factor by HPLC = K'= tr-to I my mental of constant 20 > 77 value. Most jourse Parameter I lammet constant -> HC Brown constant (6P)

Languic a, anilines, phends Landing phenyl-carring chlorides. " " " theet (BU) -> Mesomeric effect (BR 1. 1 s polar substituent constant (8 *) = aiphatic ester · !! conolytic Constant (> free radicals.) · First & Resonance component (F & R) (6m ± 5p) (n2+2) d - Lorenz-Lorenz 1'1" - 4.2 - 1.00 ∑ 5 + Hammett egn. "(1): Negative 6 => e- releasing nature of substituent 1 :: . itiz = Zerof Li Intramolecular steric effects " MR, van der Waals radii, mot wt. indicate connectivity index (X) (indicate dagree of branching)

in male action solustructures in Topological terms)

il pophillicity of Stevic features.

if a drawing inductive effect > like - H bonding

Tox lipophillicity => T log P to Topological. ranssian egn - Rate of drug ad = A = Alog P) = a exp. [- (log P-log P)/6]

-> Hansch model => rog == K, T + 128+13 Es+X > Free . Wilson = log = = U+ Zaij - Mixed (Kubinyi) = log = = Zaij + Z Kjøj + K * (+11) tr (-5") => e - releasing groups (-T) & (+6) =) e- withdrawing groups. * Toplics Approach => Also Craig plot, Fiberocci search method of Sequential Simplex Strategy. * Craig Plot C+B,-M SCZNHZ CH (H3 C4H9 (-6,+1) + Bonding Interactions - (C-5,-17) * Bonding Interactions Torsional Force constant Type (Bond angle longth)

Stretching, Bending on Torsional Force constant Type > 1-way or IR

* Non-Bonding Interact. - Dispersive attract (wander wood), - dipole-dipole interact", - Charge charge interact => Condon , Coulomb. - Morti Carlo Method - X = Zi Xi exp(-Ei/KT) * Molecular Dynamics - Molecular dynamic method. - Schrödinger Eq. method - Extended Huckel method. * Quantum Mechanics: - Complete Neglect of Differential Overlap (CNDO)

- Intermediate Neglect (INDO)

- modified Intermediate (MINDO)

- modified Intermediate (MINDO) - Negled of Diatomic Differential Overlap (NDDO) * CoMFA (comportative Molecular Field Analysis) > 3.D * Simulated Annealing X Neural Networks * Contour Plots (ComFA) * Pharmacophore Mapping (Dock) * MSA-Molecular Shape Analysis (Common Overlag Steric

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