

Buckwheat - *Fagopyrum esculentum* - Polygonaceae

Rutin (vit P) - used in capillary bleeding

Rutin  $\xrightarrow{H_2O}$  Quercetin + Shikimic Glycoside

coumarin -

Tonka bean - dried seeds of tonka seed, i.e. *Opteryx odorata*

Dipteryx oppositifolia - *Leguminosae*

coumarin

Psoralea corylifolia - *Leguminosae*

- leucoderma, leprosy

Soyabean - *Glycine max* - *Leguminosae*  
(*G. soja*)

- stigmastanol, sitosterol

allicin - Garlic - *Liliaceae*

antihyperlipidemic

antitubercular

antibiotic, dysentery

Cucurmalong

dianthepentanoid - cucurminoids - calbonyl - antihepatotoxicity

cucumin - di-terpene) methane

sesqui- zingiberane

acid glycer - ~~ukonan~~ A, B, C

ukonan - *Reticuloendothelium* potentiating

Emblica officinalis

- Amla - *Euphorbiaceae*  
propest.

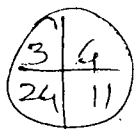
vit. C

Sapain - Gokhron - *Tribulus terrestris* - *Zygophyllaceae*

alkaloid - hacurin, hormen - antipsychotic

diosgenin, gitegenin, chlorogenin, guscogenin

1) ~~5, 4, 20, 9~~,



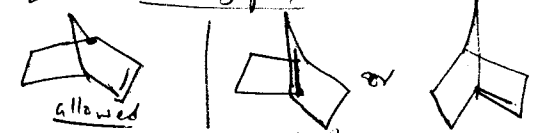
— 9 9 (36)

- 2) Antonym of 'scintous'  $\Rightarrow$  unaring
- 3) Betain str. consist of  $\Rightarrow$
- 4) R & S configuration  $\Rightarrow$  relative configuration
- 5) 1,4, dioxane NMR peak  $\Rightarrow$  singlet
- 6) methyl Cl cause shielding & deshield
- 7) 0.005 M HCl what is pH  $\Rightarrow$  2.304
- 8) Terfenadine toxic effect & adverse effect
- 9) Levodopa, essential in parkinsons  
(to cross BBB)
- 10) Chemotherapy father - Paul Ehrlich
- 11) Cyclodextrin solubility max  $\in$  form  $\Rightarrow$   $\beta$  form
- 12) Acid chloride  $\nu_{C=O} \Rightarrow$  ~~1850~~ 1680  $cm^{-1}$
- 13) Tamoxifen act by  $\rightarrow$  estrogen receptor blocker (SERM)
- 14) lactum absorb  $\nu_{C=O} =$
- 15) IR - calibration used  $\Rightarrow$  polystyrene film  
all source & detector
- 16)  $H_2$  banding detected by  $\leftarrow$  <sup>NMR</sup> IR
- 11) calculate pr. yield.
- 12) morphine act on  $\rightarrow$  ( $\mu$ -opioid receptor)

13) Cardiac  $Ca^{2+}$  channel receptors are  
(voltage gated)

14) receptor made up of

15) sp.  $m_1$  antagonist = Pirenzepine

16) Bredt's rule  $\Rightarrow$  

17) cardiotoxicity shown by  $\Rightarrow$  Dose inhibition

18) sparingly soluble - 1

19)  $AT_1$  - S  $AT_1$  shows teratogenic.

20) IR range (800 - 4000  $\mu m$ )

21) Energy range (UV > IR)

22) Enthalpy  $\Delta H \Rightarrow$  heat content

23) Exothermic & endothermic reaction

24) Terms thermodynamic is  
 $\Delta H$  Rate; kinetic

25)  $AT_1$  recep Enthalpy is

26) Cough is side effect of

27) phase IV clinical trial

28) IPEA is related to

29) NDA & IND is - ?

30) HPLC - 2 phase most used &

- 37) Indian Ginseng  $\Rightarrow$  liumhiza
- 38) Saffron so geographical source
- 39) Large source of catan - country
- 40) 40 C of phytochemical drug used most in Europe for cardiotoxic
- 50) Airport (ATL) used for trade free zone port
- 51) NMR range measured in ppm
- 52) Size exclusion used - polymers
- 53) SDS page used for - ?  
 $\rightarrow$  protein / pI, size
- 54) Circular dichroism used metallic  
 For  $\rightarrow$  so conformation
- 55) Ionic species used detn by
- 56) B<sub>2</sub>-selective agonist  $\rightarrow$  Autoxamine
- 57) Aspirin act by  $\rightarrow$  cox inhibitor
- 58) PG synth. inhibited by - cox, COX<sub>2</sub>  
 or both
- 59) SHT is (serotonin) is - ?  
 a) new
- 60) 60 central dogma of life DNA-mRNA-protein  
 DNA) DNA)  $\rightarrow$

- 61) Glutathione used for
- 62) 2-CO-NH<sub>2</sub> bond in means - Tripeptide
- 63) ~~diff~~ Ophthalmic diff. from parenteral  
pyrogen free
- 64) osmotic press. of plasma
- 65) ~~whom~~ not grown in  
a) salt b) ice c) diff. H<sub>2</sub>O
- 66) Bact. cell wall consist of  
\*) polysac.
- 67) Nicotinic receptor is -
- 68) In myasthenia gravis caused -
- 69) one of the following (Alzheimer's) <sup>✓</sup>  
degenerative disease
- 70)  $\leq$  plastic polymer max. vapour.
- 71) Rifampin is also used for <sup>permeable</sup>
- 72) mucoadhesive polymer
- 73) Buccal drug time -
- 74) effect on muscarinic agonist on A7
- 75) Gelatin pH -  
(capsule)
- 76) Ty Green bone - Type B
- 77) New dialtor is -

- 79) extensive first pass effect - propranolol
- 80) emesis in cancer therapy
- 81) metoprolol - MOA
- 82) Dopamine receptors acting  
c ciliaoidal used in
- 83) cough syrup
- 84) sugar syrup contains what to prevent cryst.
- 85) Antibody contains what - heavy chain
- 86) t-RNA char. - 9
- 87) Insulin secreted by
- 88) secondary messenger is
- 89) used for hair growth approved by FDA - minoxidil
- 90) Salmeterol & Albuterol MOA
- 91) Nifedipine Stru.
- 92) Aids is due to -
- 93)  $\alpha_1$  - antagonist
- 94) ABC syst. used for -  
invention

95) polymorphism character

96) polymer used for  $\downarrow$  Tg

97) ~~drug~~ stability checked by  $\leq$  thermomethod -

98) Sugar is added in protein

99) Non reducing sugar

100) threose & erythrose are

101) ~~tetra~~ Anomer, diastomer,

102) Double bond are detected by

103) 'wattare state' means

104) pqrstuv - q - - tuv, - - - tuv,  
p - r - t - u - v

105)  $A+B = 100$   $A-B = 24$   
then  $\log$  large no. is - (63)

106) Drug pH - 5.6 when absorbed!

107) 'microvilli' causes 'suc' in intestine.

108) ion channels are.

109) Dioxane NMP peak

110) Ca-channel blocker - nifedipine

111)  $\beta\beta\beta$  - parainfluenza

Answer

63

- 1) why Neostigmine don't pass BB
- 2) which is not eth. inducer -
- 13) cancer marker - product
- 14) coumarin - basic str.
- 15) endogenous anticoagulant.
- 16) omeprazole - PPI
- 17) prolegemic solvent - which
- 18) NMR - std. sub. Tms.
- 19) 'R' in 2P mean. Retard. slt.
- 20) back titration in which can used.
- 21) Paracetamol - metabolite hepatotoxic?
- 22) phenolphthalein which indicator - acid-base.
- 23) carbene  $\xrightarrow[\text{CCl}_4]{\text{OH}^-}$  which mechanism (Ecb)
- 24) submerged culture - difficult to ferment
- 25) DNA proof in which organelle - mitochondria
- 26) ~~st~~ which is not static dryer.
- 27) cytokinin is
- 28) triterpenoid made of how many isoprenyl unit.
- 29) A minute hand when 12.00 clock ~~is~~ East
- 30) ~~1st~~ choice in phenytoin used in which type of arrhythmia.
- 31) Carbonic anhydrase inhibitor - Acetazolamide
- 32) transition state betn aldosterone.
- 33) in asthma which drug is contraindicated - propranolol



- (132) Exothermic, Endothermic
- (133) cholic acid used in
- (134) many polyphosphates
- (135) poly ethylene glycol ester of acetyl -
- (135) Glycosides - which acetal - hemiacetal
- (136) which is optically active
- (135) Gene expression regulation at which step
- (136) Nujol is mix. of light paraffin
- (137) which solvent used in soft capsule
- (138) preservative Benzyl alcohol - conc. 1%
- (139) solvent used in parenteral -
- (139) which packaging material in tab - is moisture permeability
- (140) accelerated stability testing cond -  $40^{\circ}\text{C}$  25 RH
- (141) which dissolution apparatus used for tabs  
USP 1, 2, 3, etc.
- (142) which drug is ~~not~~  
Septin such protease inhibitor - plasma
- (143) Binds to non aq. soln.
- (144) isoprenyl unit made from which pathway
- (145) auxochrome -
- (145) pharmacophore
- (148) func of receptor, selectivity, binding
- (149)  $\text{O/w}$  w/o - HLB value. 1-3
- (150) fluidised energy mill give particle size red<sup>n</sup> up to
- (151) Buccal
- (152) Gallic acid used