MEDICINAL CHEMISTRY

1. The reaction involved in the preparation of benzanilide is popularly known as

(A) Cannizaro reaction

(B) Mannich reaction

(C) Pechmann reaction

(D) Scholten-baumann reaction

2. An antihistamine with aminoalkyl ether group is

(A) Chlorpyramine

(B) Carbinoxamine

(C) Cyclizine

(D) Triprolidine

3. The intermediate formed during the wittig reaction is

(A) IPA

(B) Canrenone

(C) Betaine

(D) Iso-aconite

4. The starting material for the synthesis of clofazemine is

(A) p-chloronitro benzene

(B) L-phenyl alanine

(C) N-(4-chloro phenyl)-o-phenylenediamine

(D) 2,4-dichloro phenyl bromide and glycerine

5. B-lactum ring is strategically fused to a 6-mambered dihydro thiazine ring system in case of

(A) Cloxacillin

(B) Chlorthiazide

(C) Chloramphenicol

(D) Cephalexin

6. The brief duration of action of an ultra-short acting barbiturate is due to

(A) Slow metabolic rate in liver

(B) Rapid rate of redistribution in liver

(C) Slow rate of excretion by kidneys

(D) Low lipid solubility

7. The following drug is used to treat daytime sleepiness in narcolepsy patients

(A) Modafinil

(B) Picrotoxin

(C) Amphetamine

(D) All

8. The IUPAC name of Ibuprofen is

(A) (*RS*)-2-(4-(2-methylpropyl)phenyl)propanoic acid

(B) (*RS*)-2-(2-(2-methylpropyl)phenyl)propanoic acid

(C) (*RS*)-2-(4-(4-methylpropyl)phenyl)propanoic acid

(D) (*RS*)-2-(4-(2-methylpropyl)pyridyl)isopropanoic acid

9. Sulfa drugs can be estimated using the reagent

(A) 4,4-dimethyl-(2-nitro benzoic acid)

(B) tris—(hydroxyl methyl)amino methane sodium nitrate

(C) N-(1- diamine naphthyl) ethylene

(D) N-ethyl malcimide

10. For sulfa drugs maximum activity would be found with pK_a in the range of

(A) 6-7.5 (B) 6.5-8 (C) 5-6.8 (D) 7.5-9

11. Pregnenolone, an intermediate in the synthesis of steroids, on Oppenauer oxidation gives

(A) 9 α-flurocortisol (B) Triamcinolone

(C) α-methyl prednisolone (D) Progesterone

12. On 3-etherification of morphine yields molecules which causes

(A) Morphine antagonism (B) Decrease in analgesic activity

(C) Increase in analgesic activity (D) No change in activity

13. The activity of ascorbic acid is due to the presence of

(A) free –COOH group (B) -OH group (C) Enolic group (D) None

14. Prazepam differs in structure from diazepam by

(A) N-methyl group (B) N-cyclopropyl methyl group

(C) N-cyclopropyl group (D) N-propyl group

15. β-ionone is the starting material for the synthesis of

(A) Progesterone (B) Vit A (C) Testosterone (D) Cortisone

MYBO's GPAT/ NIPER/ PGECET BOOSTER PACK-6 is provided by

MYBO Team member:

Ms. DHANA LAKSHMI. S, (M.Pharm),

VISWANADHA Institute of Pharmaceutical Sciences, Visakhapatnam.

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1. **Key** for the above bits is available with MYBO's GPAT/ NIPER/ PGECET BOOSTER PACK-7
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KEY @ MYBO's BOOSTER PACK-5

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