

Medicinal Chemistry-II (BP501T)

B.Pharm Second Internal Examination 2020-21

Date: 13/08/2020

Semester: 5

Subject/Subject Code: medicinal Chemistry-II (BP501T)

Instructions:

1. All questions are compulsory

2. Each question carry 01 marks

* Required

1. Email address *

2. 1. Lorainide belong toclass *

Mark only one oval.

(a) Class IA antiarrhythmic drugs.

(b) Class IB antiarrhythmic drugs.

(c) Class IC antiarrhythmic drugs.

Class II antiarrhythmic drugs.

3. 2. Which one of the following anti-arrhythmic drugs acts by inhibiting potassium, sodium and calcium channels? *

Mark only one oval.

(a) Quinidine

(b) Lignocaine

(c) Amiodarone

(d) Flecainide

4. 3. Which one of the following drugs produces significant relaxation of both venules and arterioles? *

Mark only one oval.

- (a) Hydralazine
 (b) Minoxidil
 (c) Diazoxide
 (d) Sodium nitroprusside

5. 4. Choose the right combination *

Mark only one oval.

- (a) Quinine, antimalarial, isoquinoline alkaloid
 (b) Reserpine, antihypertensive, indole alkaloid
 (c) Quantitative microscopy, stomatal number, myrrh
 (d) Palmitic acid, salicylic acid, fatty acid

6. 5. Following drugs act as an arterial vasodilator except one *

Mark only one oval.

- (a) Hydralazine
 (b) Minoxidil
 (c) Diazoxide
 (d) Sodium nitroprusside

7. 6. Guanabenz is... *

Mark only one oval.

- It is α_1 agonist.
 It is α_2 agonist.
 It is α_1 antagonist.
 It is α_2 antagonist.

8. 7. ACE inhibitor.... *

Mark only one oval.

- blocks the conversion of angiotensin I to angiotensin II
- blocks the conversion of angiotensinogen
- blocks the conversion of renine to angiotensin II
- none

9. 8. Methyldopate hydrochloride synthesise from *

Mark only one oval.

- 3 4 dihydroxyphenylacetone
- 3 5 dihydroxyphenylacetone
- 3 4 dihydroxyphenylacetate
- 3 5 dihydroxyphenylacetate

10. 9. Lovastatin is obtained from which of following microorganism? *

Mark only one oval.

- (a) Aspergillus niger and Monascus ruber
- (b) Aspergillus terreus and Monascus rubber
- (c) Penicillium citrinium and Monascus rubber
- (d) Penicillium citrinium and Aspergillus terreus

11. 10. Statins are used as ____ *

Mark only one oval.

- (a) Hyperlipidemic agent
- (b) Hypolipidemic agent
- (c) Ant diabetics
- (d) Antiparkinson

12. 11. The utility of sulfone group in thiazide diuretics is for: *

Mark only one oval.

- (a) Increase potency of drug
- (b) I.M administration
- (c) I.V administration
- (d) None

13. 12. 4-Chloro-2-[(furan-2-ylmethyl)amino]-5-sulfamoylbenzoic acid is *

Mark only one oval.

- (a) Torsemide
- (b) Amiloride
- (c) Furosemide
- (d) Metiamide

14. 13. In thiazide diuretics electron withdrawing group must be at: *

Mark only one oval.

- (a) Fifth position
- (b) Sixth position
- (c) Seventh position
- (d) Eight position

15. 14. Which of following drugs have 1,3,4 thiadiazole ring? *

Mark only one oval.

- (a) Amiloride
- (b) Dichloropenamide
- (c) Acetazolamide
- (d) None

16. 15. Which of the following causes Bartter's syndrome _____ *

Mark only one oval.

- (a) Loop diuretics
- (b) Osmotic diuretics
- (c) Thiazide diuretics
- (d) K⁺ sparing diuretics

17. 16. Increased risk of arteriosclerosis is associated with decreased serum level of... *

Mark only one oval.

- (a) LDL
- (b) HDL
- (c) Triglyceride
- (d) VLDL

18. 17. Bumetanide contains _____ *

Mark only one oval.

- (a) Phenoxy group at 4th position
- (b) Phenoxy group at 5th position
- (c) Phenoxy group at 3rd position
- (d) Does not contain any phenoxy group.

19. 18. Furosemide contains _____ ring *

Mark only one oval.

- (a) Furan
- (b) Thiazole
- (c) Oxazole
- (d) Imidazole.

20. 19. Metabolite of a spironolactone is _____ *

Mark only one oval.

- (a) Amrinone
- (b) Milrinone
- (c) Canrinone
- (d) Samzonone

21. 20. High ceiling diuretics is _____ *

Mark only one oval.

- (a) Ethacrinic acid
- (b) Bumetanide
- (c) Furosemide
- (d) All of the above

22. 21. Which of following diuretics inactivate sulfahydryl(-SH) group of enzyme? *

Mark only one oval.

- (a) Furosemide
- (b) Bumetanide
- (c) Ethacrynic acid
- (d) None

23. 22. Which of the drug is a type of ACE inhibitor? *

Mark only one oval.

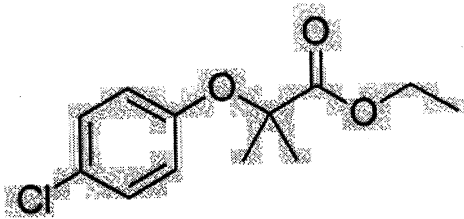
- a) Captopril
- b) Irbesartan
- c) Amlodipine
- d) Furosemide

24. 23. which one of the following is a pro drug *

Mark only one oval.

- (a) Captopril
- (b) Lisinopril
- (c) Enalapril
- (d) Benazepril

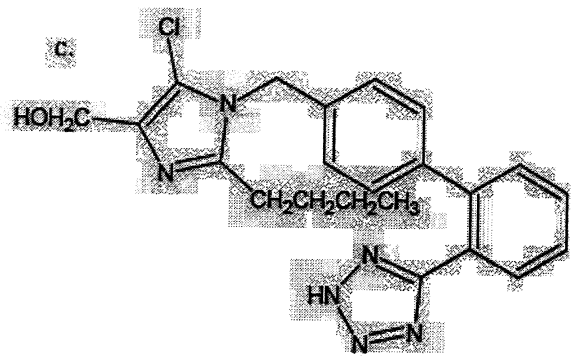
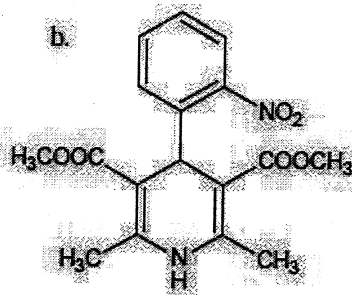
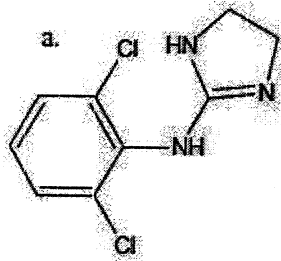
25. 24. choose correct name for the structure *



Mark only one oval.

- Clonidine
- Clofibrate
- Cholesteramine
- Chlorthiazide

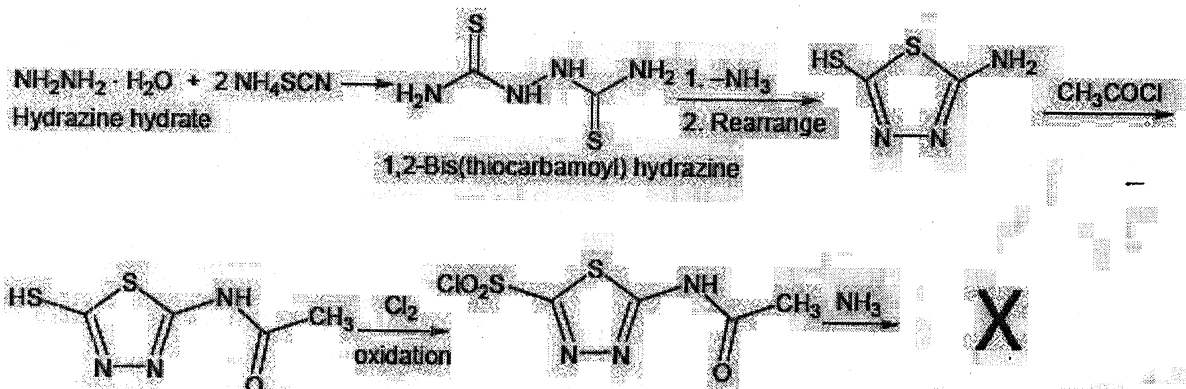
26. 25. Choose correct structure for Calcium channel blocker *



Mark only one oval.

- A
- B
- C
- None

27. 26. In the following synthesis X will be *



Mark only one oval.

- Acetazolamide
- Methazolamide
- Furosemide
- Disopyramide

28. 27. Disopyramide synthesize from *

Mark only one oval.

- benzyl cyanide
- Phenyl cyanide
- benzoic acid
- aniline

29. 28. Mexiletine resemble structurally with lidocaine in..... *

Mark only one oval.

- possessing a xylyl moiety
- having amide
- benzoate derivative
- possessing a diethyl moiety

30. 29. Sotalol is a *

Mark only one oval.

- non selective beta blocker
- anti arrhythmic agent
- Both
- selective beta blocker

31. 30. chlorophenoxyisobutyric acid is an active metabolite of..... *

Mark only one oval.

- Clofibrate
- Lovastatin
- Cholestipol
- chlorthiazide

32. 31. Cholestyramine is a *

Mark only one oval.

- anionexchange resin
- granular copolymer
- peptide
- lipid

33. 32. which of the following calcium channel blocker used as anti arrhythmic agent *

Mark only one oval.

- Verapamil
- Diltiazem
- Both
- Bepridil

34. 33. Diltiazem containring system *

Mark only one oval.

- Benzodiazepine
- benzothiazepin
- Benzoazocin
- benzopyridine

35. 34. Chlorthiazide synthesise from *

Mark only one oval.

- 3-Chloroaniline and chlorosulphonic acid
- 3-Chloroaniline and sulphuric acid
- 2-Chloroaniline and chlorosulphonic acid
- 2-Chloroaniline and sulphuric acid

36. 35. Chlorthiazide and Hydrochlorothiazide differ in structure by *

Mark only one oval.

- double bond between the 3- and 4-position
 - Chlorine atom at 6th position
 - both
 - 7 sulphonyl group
-

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