

Medicinal Chemistry-II improvement internal

B.Pharm First Internal Examination 2020-21

Date:21/09/2020

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. The action produce by contraceptive agents is... *

1 point

Mark only one oval.

- (a) prevent ovulation only
- (b) Prevention of ovulation and fertilization only
- (c) both
- (d) prevention of ovulation, implantation and fertilization only

3. 2. Mifepristone is a..... *

1 point

Mark only one oval.

- testosterone Receptor antagonist
- estrogen Receptor antagonist
- Both
- Progesterone Receptor antagonist

4. 3. Norgestril is a derivative of *

1 point

Mark only one oval.

- Progesterone and cortisone
- testosterone
- estrogen
- Progesterone

5. 4. Sildenafil a PDE5 antagonist contain..... ring system *

1 point

Mark only one oval.

- Pyrazolo pyridine
- Pyrazolo pyrimidine
- Pyrazolo piperazine
- Pyrazolo pyrrole

6. 5. The following is/are not naturally occurring female hormone/s *

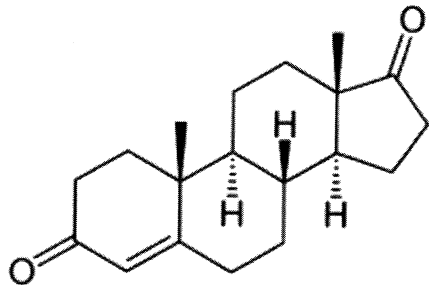
1 point

Mark only one oval.

- Mestranol
- Oestriol
- Oestradiol
- Oestrone

7. 6. Choose correct name for the following steroid template *

1 point



Mark only one oval.

- Pregnenolone
 Androstenedione
 Dehydroepiandrosterone
 Aldosterone

8. 7. Nandrolone belong to..... class *

1 point

Mark only one oval.

- androgen
 estrogen
 glucocorticoids
 minraloticoids

9. 8. testosterone contain *

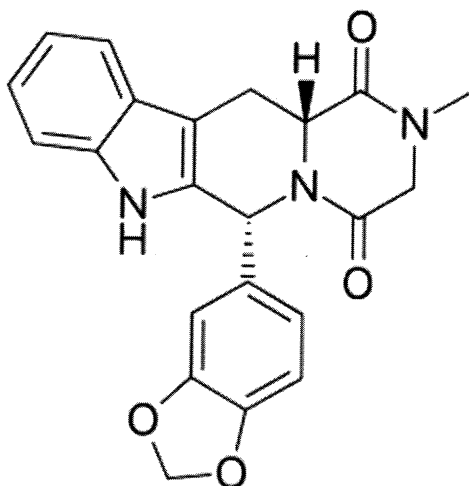
1 point

Mark only one oval.

- 18 C
 19 C
 20 C
 21 C

10. 9. Choose correct name of following drug *

1 point



Mark only one oval.

- Sildenafil
- Tadalafil
- Vardenafil
- Alprostadil

11. 10. In Corticosteroid Metabolism reduction takes place at... *

1 point

Mark only one oval.

- C4 and C5
- C3 and C4
- C1 and C2
- C6 and C7

12. 11. Testosterone metabolite to *

1 point

Mark only one oval.

- Corticosteroid
- 5 α -dihydrotestosterone
- both
- cortisol

13. 12. Estrogen Metabolite to *

1 point

Mark only one oval.

- 16 α -hydroxyestrone
- 2-hydroxyestrone
- both
- Estrone

14. 13. Steroids have... *

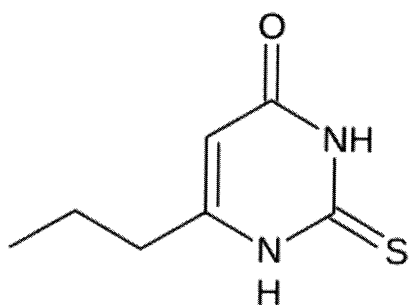
1 point

Mark only one oval.

- Sterol nucleus with two alkyl chain attached to the ring D of cholesterol
- Sterol nucleus with two CH₃ between C and D ring and A and B ring of cholesterol
- Sterol nucleus without CH₃ between C ring and D ring of cholesterol
- Sterol nucleus but lack the alkyl chain attached to the ring D of cholesterol

15. 14. Choose correct IUPAC Name for the following structure *

1 point



Mark only one oval.

- 6 Propyl 2 thio 2,4 --(1 H ,3 H pyrimidindione
- 2 Propyl 6 thio 4,6 --(1 H ,5 H pyrimidindione
- 2 Propyl 6 thio 4,6 --(1 H ,5 H pyridindione
- 6 Propyl 2 thio 2,4 --(1 H ,3 H pyridindione

16. 15. Correct statements about methimazole include all except *

1 point

Mark only one oval.

- It is an antithyroid drug
- It can cross placenta
- It interferes with iodination of tyrosine
- It inhibits the peripheral conversion of thyroxine of triiodo thyronine

17. 16. Thyroxine/Levothyroxine and L-Thyronine differ from *

1 point

Mark only one oval.

- Iodine atom at 3, 5 on Phenyl ring
- Amino Group on side chain
- both
- OH group on phenyl ring

18. 17. Glucosidase inhibitors are *

1 point

Mark only one oval.

- starch blockers
- Break down sucrose to monosaccharides
- treat type 2 diabete
- all

19. 18. Acarbose is a an *

1 point

Mark only one oval.

- saccharide
- protein
- lipid
- all

20. 19. choose correct option for Voglibose *

1 point

Mark only one oval.

- alpha-glucosidase inhibitor
- beta-glucosidase inhibitor
- alpha- amylase inhibitor
- beta- amylase inhibitor

21. 20. Which of following α -glucosidase inhibitors is deoxynojirimycin derivative *

1 point

Mark only one oval.

- Miglitol
- Acarbose
- Varcabose
- Nateglinide

22. 21. Local Anesthetics act by *

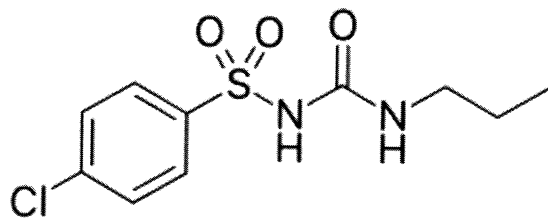
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Mark only one oval.

- Decreasing the entry of Na^+ ions during upstroke of action potential
- Increasing the entry of Na^+ ions during upstroke of action potential (AP).
- Decreasing the entry of Ca^{++} ions during upstroke of action potential (AP).
- Increasing the entry of Ca^{++} ions during upstroke of action potential (AP).

23. 22. choose correct chemical class for the following *

1 point

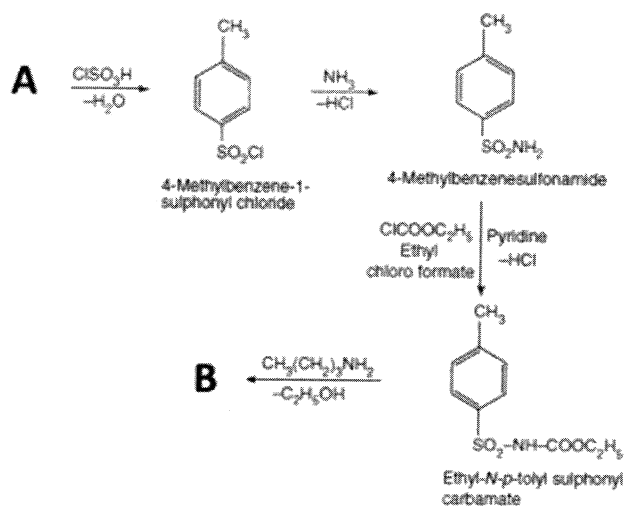


Mark only one oval.

- Meglitinides
- Glitazone
- Sulfonyl ureas
- Biguanides

24. 23. what is A and B in following reaction *

1 point



Mark only one oval.

- Benzyl and clorpropamide
- Toluene and Tolbutamide
- p-sulphonyl Benzene and Methimazole
- p-sulphonyl Benzene 4-Propylthiouracil

25. 24. Thiazolidinediones commercially known as *

1 point

Mark only one oval.

- bisguanidine
- glitazones
- meglitinides
- none

26. 25. Which of following sulfonylurea derivatives contains pyrazine ring? *

1 point

Mark only one oval.

- Glibenclamide
- Glimrpride
- Glibonuride
- Glipzide

27. 26. Repaglinide belong to class *

1 point

Mark only one oval.

- Meglitinides
- Glitazone
- Biaguanide
- all

28. 27. Local anaesthetic show vasoconstrictor effect is *

1 point

Mark only one oval.

- Procaine
- idocaine
- Bupivacaine
- Cocaine

29. 28. Which one of the following is/are A benzoic acid ester *

1 point

Mark only one oval.

- Cocaine
 Hexylcaine
 Meprylcaine
 all

30. 29. Cyclomethycaine contain..... *

1 point

Mark only one oval.

- piperidin
 pyridine
 piperazine
 pyrimidine

31. 30. Benzocaine can be synthesized from *

1 point

Mark only one oval.

- Toluene
 Benzyl
 Benzyl chloride
 aniline

32. 31. choose correct statement for Benzocaine *

1 point

Mark only one oval.

- is the ethyl ester of p aminobenzoic acid
 Structurally, it lacks the terminal diethylamino group usually
 both
 General anesthetic

33. 32. Which of the following local anaesthetics is/are only useful for topical administration *

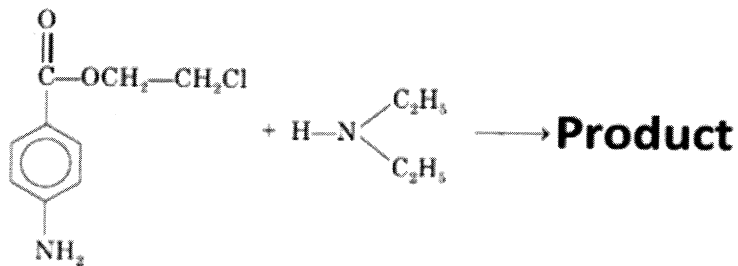
1 point

Mark only one oval.

- Procaine
- Bupivacaine
- Benzocaine
- All of the above

34. 33. Choose the correct product name *

1 point



Mark only one oval.

- Procaine
- Benzocaine
- Butamben
- Tetracaine

35. 34. Butamben has *

1 point

Mark only one oval.

- amino group on 4 position
- amino group on 3 position
- amino group on 2 position
- No amino group

36. 35. chemically Tetracaine is a *

1 point

Mark only one oval.

ester

amide

ether

none

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