

Time: 3Hrs.

Marks:75

Q.1.Choose an appropriate option for the following multiple choice based questions. (20M)

1. Reserpine depletes the monoamines in the vesicles and hence can be used as \_\_\_\_\_
  - a. Antiarrhythmic
  - b. Antianginal
  - c. Antihypertensive
  - d. Antihyperlipidemic
  
2. The \_\_\_\_\_ antiarrhythmic reduces the rate of phase 4 depolarization in heart
  - a. Class I
  - b. Class II
  - c. Class III
  - d. Class IV
  
3. Aliskiren is a \_\_\_\_\_
  - a. Direct renin agonist
  - b. Direct renin antagonist
  - c. Angiotensin II inhibitor
  - d. Indirect Angiotensin II agonist
  
4. Statins exerts all adverse effects EXCEPT
  - a. Myalgia
  - b. Rise in serum transaminase
  - c. Rhabdomyolysis
  - d. Gynaecomastia
  
5. Chief indication of anti-diuretics is \_\_\_\_\_
  - a. Gestational diabetes
  - b. Diabetes mellitus
  - c. Diabetes insipidus
  - d. Neonatal diabetes
  
6. \_\_\_\_\_ is a parenteral anticoagulant
  - a. Warfarin
  - b. Bishydroxy coumarin
  - c. Phenindione
  - d. Heparin
  
7. Body absorbs non-heme iron from plant sources better when given with \_\_\_\_\_
  - a. Vitamin A
  - b. Vitamin C
  - c. Vitamin D
  - d. Vitamin E

8. There is a black box warning on \_\_\_\_\_ for life threatening bleeding
- ACE inhibitors
  - P2Y12 receptor blockers
  - DPP-4 inhibitors
  - Angiotensin receptor blockers
9. \_\_\_\_\_ is a selective COX-2 inhibitor
- Indomethacin
  - Meloxicam
  - Etoricoxib
  - Mefenamic acid
10. \_\_\_\_\_ is released from platelets which promotes their aggregation
- PGI
  - TXA2
  - LTB4
  - LTC4
11. \_\_\_\_\_ is the first generation antihistamine
- Loratadine
  - Hydroxyzine
  - Fexofenadine
  - Levocetirizine
12. The drug of choice for acute gout is \_\_\_\_\_
- Indomethacin
  - Febuxostat
  - Colchicine
  - Allopurinol
- 13 Elevation of bradykinin may result in \_\_\_\_\_ medical emergency
- Angioedema
  - Myocardial infarction
  - Hypoglycemic convulsion
  - Stroke
14. \_\_\_\_\_ is released in response to low blood sugar level
- Insulin
  - Glucagon
  - Acetylcholine
  - Histamine
15. Systemic corticosteroids can aggravate or worsen \_\_\_\_\_
- Diabetes mellitus
  - Asthma
  - Inflammation
  - Psychosis

16. \_\_\_\_\_ is the fertility medicine which stimulates ovaries and increases the chance of pregnancy.

- a. Aspirin
- b. Menotropin
- c. Amitriptyline
- d. Desmopressin

17. \_\_\_\_\_ is the tocolytic agent

- a. Ergometrine
- b. Oxytocin
- c. Misoprostol
- d. Ritodrine

18. Mifepristone is a \_\_\_\_\_

- a. Oral contraceptive pill
- b. Progesterone antagonist
- c. Aromatase inhibitor
- d. Oestrogen agonist

19. Following are the uses of anabolic steroids EXCEPT

- a. Osteoporosis
- b. Breast cancer
- c. Suboptimal growth in boys
- d. Increase in muscle strength

20. \_\_\_\_\_ method is used for bioassay of insulin

- a. Rabbit head drop method
- b. Convulsion in mouse
- c. Guinea-pig ileum method
- d. Rat fundus method

**Q.2. Long Answers (Answer Any 2 out of 3) (20M)**

1. Give a detailed account on nitrates. Add note on mechanism of action of other antianginal drugs
2. Classify Diuretics based on mechanism of action. Compare and contrast between thiazide and loop diuretics
3. Classify NSAIDs and give mechanism of action and adverse effects of non-selective and preferential COX inhibitors.

**Q.3.Short Answers (Answer 7 out of 9) (35M)**

1. Give mechanism of action and examples of class III antiarrhythmic and fibrates
2. What are cardiac glycosides? Give pharmacological actions of cardiac glycosides
3. Define Coagulants with examples. Add a note on its uses and adverse effects.
4. Classify antigout drugs and comment on xanthine oxidase inhibitors
5. Write a note on Physiological functions and uses of Prolactin and Gonadotropins
6. Give a detailed account on uses of thyroid hormone analogues
7. Give a detailed account on insulin sensitizer
8. Classify estrogen related drugs and give its pharmacological uses
9. Discuss in detail bioassay of 5-HT

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