



ER20-21T

8101

BOARD DIPLOMA VOCATIONAL EXAMINATION, (ER-20)

MAY—2023

DPH - SECOND YEAR EXAMINATION

PHARMACOLOGY

Time : 3 Hours]

[Total Marks : 80

PART—A

5×6=30

Instructions : (1) Answer *any six* questions.

(2) Each question carries **five** marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Define depression. Classify antidepressants. Write indications and contraindications of amitriptyline.
2. Define hypertension. Classify antihypertensive drugs. Write indications and contraindication of antihypertensive drugs.
3. Define route of drug administration. Enlist various routes of drug administrations. Write the advantages and disadvantages of oral route.
4. Define Asthma. Classify anti-asthmatic drugs. Write indications and contraindication of salbutamol.
5. Define and classify diuretics. Write pharmacological actions, indications and contraindications of frusemide.
6. Classify anti-tubercular drugs. Write the pharmacological actions and contraindications of isoniazid.
7. Write the classifications of (a) Anti-emetics and (b) Drugs used in constipation treatment.

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PART—B

Instructions : (1) Answer *any ten* questions.
(2) Each question carries **three** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

8. Define absorption. List out various mechanisms of drug absorption.

9. Classify anti-fungal drugs. Write any two contraindications of them.

10. Define Biologicals. Write examples.

11. Write about tripli response and triphasic response.

12. Classify anti-thyroid drugs.

13. Define haematinics. Give examples.

14. Name the drug used in CHF treatment and write its MOA.

15. Define Myasthenia Gravis. Write any three drugs used in the treatment.

16. Define mydriatics and miotics. Give two examples of each.

17. Define General Anaesthetics and classify the drugs.

18. Write a short note on Insulin preparations.

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PART—C

1×20=20

- Instructions :** (1) Answer the following questions.
(2) The question carries **one** mark.
(3) Choose the correct answer or write the **correct** answer.

19. Bioavailability means
- (a) Administration of drug
 - (b) Elimination of drug
 - (c) Rate and Extent of drug absorption
 - (d) All of the above
20. Drug of choice in Organophosphate poisoning is
- (a) Acetyl cysteine
 - (b) Charcoal
 - (c) Pralidoxime
 - (d) Digibind
21. Which of the following is a local anaesthetic drug?
- (a) Halothane
 - (b) Thiopental
 - (c) Ketamine
 - (d) Xylocaine
22. Tizanidine is an example of
- (a) Centrally acting smooth muscle relaxant
 - (b) N_M blocker
 - (c) N_N blocker
 - (d) AChE inhibitor

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23. Fastest acting receptors are

- (a) G-Protein coupled receptors
- (b) Nuclear receptors
- (c) Enzyme linked receptors
- (d) Ionotropic receptors

24. 100% bioavailability is possible with

- (a) IV Route
- (b) IM Route
- (c) Oral route of administration
- (d) SC Route

25. Gray baby syndrome is caused by

- (a) Penicillin
- (b) Erythromycin
- (c) Chloramphenicol
- (d) Streptomycin

26. Vit.D deficiency causes

- (a) Osteomalacia
- (b) Osteoporosis
- (c) Rickets
- (d) All of the above

27. Drug of choice in status epilepticus is

- (a) I.V. Carbamazepine
- (b) I.V. Diazepam
- (c) I.V. Phenobarbitone
- (d) I.V. Flunitrazepam

28. Identify the autocoid among the following.

- (a) Acetylcholine
- (b) Dopamine
- (c) Histamine
- (d) Noradrenaline

29. Retina damage is associated with

- (a) Acetazolamide
- (b) Frusemide
- (c) Chloroquin
- (d) Spironolactone

30. Identify the mucolytic agent.

- (a) Ambroxol
- (b) Guaiphenesin
- (c) Ammonium Chloride
- (d) Cedeine

31. Taratogenicity means ____.

32. An example of Leukotriene antagonist is ____.

33. Desmopressin is an example of ____ drug.

34. An example of H₂ blocker is ____.

35. Metronidazole is an example of ____ drug.

36. Atorvastatin acts by inhibiting ____ enzyme.

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37. Which among the following are examples of β - lactam antibiotics?

- (a) Penicillins
- (b) Tetracyclines
- (c) Cephalosporins
- (d) Both (a) and (b)

38. Laxatives, Purgatives and Cathartics differ in their

- (a) Colour
- (b) Cost
- (c) Intensity of action
- (d) Taste

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