

Pharmacology II

B.Pharm First Internal Examination 2020-2021

Date: 15/06/2020

Semester: 5

Subject: Pharmacology II (BP503T)

Instructions:

1. All Questions are compulsory

2. Each questions carry 1 mark

* Required

1. Name of Student *

2. Enroll no *

3. 1. Following are the risk factors for Angina pectoris

Mark only one oval.

Age

Sex

Smoking

All of the above

4. 2. Phase 0 of cardiac action potential is

Mark only one oval.

Rapid depolarisation

Partial or early repolarisation

Plateau

Repolarisation

5. 3. Repolarisation phase of action potential cycle is associated with

Mark only one oval.

- Inward movement of Na⁺
 Inward movement of Copper
 Outward movement of K⁺
 Outward movement of Copper

6. 4. Following drugs are used in CCF

Mark only one oval.

- Dobutamine
 Furosemide
 Lisinopril
 All the above

7. 5. In cardiac action potential cycle, final ionic constitution is achieved by activation of

Mark only one oval.

- Na⁺/K⁺ ATPase pump
 Na⁺/H⁺ ATPase pump
 H⁺/K⁺ ATPase pump
 None of the above

8. 6. Following is the example of dihydropyridine type of CCB.

Mark only one oval.

- Diltiazem
 Verapamil
 Nifedipine
 All of above

9. 7. Amrinone acts by inhibiting one of the following enzyme

Mark only one oval.

- Phospholipase
- Phosphodiesterase
- Phosphokinase
- Ligase

10. 8. Drug that acts by inhibiting ACE enzyme is

Mark only one oval.

- Amiodarone
- Propanolol
- Lisinopril
- Milrinone

11. 9. Dry cough is the side effect of

Mark only one oval.

- Digoxin
- Hydralazine
- Nifedipine
- Ramipril

12. 10. Venodilator drugs reduces

Mark only one oval.

- Preload on heart
- Afterload on heart
- Both of above
- None of above

13. 11. Ototoxicity is the ADR of

Mark only one oval.

- Furosemide
- Thiazide
- Spironolactone
- None

14. 12. Following drug is the example of calcium sensitizing agent used in CCF

Mark only one oval.

- Propranolol
- Atenolol
- Levosimendan
- Levocetirizine

15. 13. Antianginal agent that is potassium channel opener:

Mark only one oval.

- Nicorandil
- Amlodipine
- Nitrates
- Atenolol

16. 14. Ability of a cell to undergo spontaneous diastolic depolarization is known as

Mark only one oval.

- Conductivity
- Automaticity
- Conduction velocity
- None of above

17. 15. Candesartan is

Mark only one oval.

- Renin Inhibitor
- ACE inhibitor
- Angiotensin receptor antagonist
- Angiotensin receptor agonist

18. 16. Ouabain is acting by

Mark only one oval.

- Inhibiting Na⁺/H⁺ ATPase pump
- Inhibiting Na⁺/K⁺ ATPase pump
- Activating H⁺/K⁺ ATPase pump
- Inhibiting H⁺/K⁺ ATPase pump

19. 17. The period in which cardiac muscle is not able to response to stimulus is known as

Mark only one oval.

- Extension period
- Refractory period
- Free period
- Small period

20. 18. Phase 4 of cardiac action potential is also known as

Mark only one oval.

- Pacemaker potential
- Plateau
- Nerve potential
- None of above

21. 19. Regarding cardiac glycosides , one of the following action is false

Mark only one oval.

- Show an analgesic action
- Produce positive inotropic action
- Acts by inhibiting the Na⁺/K⁺ ATPase activity
- Show vagus nerve stimulation

22. 20. Following drug is a selective β_1 receptor agonist:

Mark only one oval.

- Digoxin
- Milrinone
- Dobutamine
- Atenolol

23. 21. Load against which the heart has to contract to eject the blood from ventricles is known as

Mark only one oval.

- Preload
- Afterload
- Both of above
- None of above
- Other: _____

24. 22. Increase in force of contraction of heart muscle is known as

Mark only one oval.

- Positive chronotropic action
- Positive inotropic action
- Negative inotropic action
- Negative chronotropic action

25. 23. Antacids reduce digitalis effect by

Mark only one oval.

- Reducing its absorption
- Increasing its absorption
- Increasing its metabolism
- Reducing its metabolism

26. 24. High dose of dopamine (Above 10 $\mu\text{g}/\text{kg}/\text{min}$) activates

Mark only one oval.

- β_1 receptors
- α_1 receptors
- β_2 receptors
- α_2 receptors

27. 25. Identify the agent that is able to reduce both preload and afterload on heart

Mark only one oval.

- Hydralazine
- Paracetamol
- Sodium nitroprusside
- None of the above

28. 26. Phase 2 of action potential of cardiac muscle is also known as

Mark only one oval.

- Depolarization phase
- Pacemaker potential phase
- Plateau phase
- None of the above

29. 27. Nitrates activates following enzyme to produce vasodilator action

Mark only one oval.

- Cholinestarse
- Lipase
- Guanylyl cyclase
- Peroxidase

30. 28. Angina pectoris occurs due to

Mark only one oval.

- Increasing oxygen demand by heart
- Reducing oxygen supply to heart
- Both of above
- None of above

31. 29. Regarding Angiotensin II , one of the following action is false

Mark only one oval.

- It cause salt and water retention
- It cause cardiovascular remodeling
- It cause hypertension
- It cause vasodilatation

32. 30. Hyperkalemia is the ADR of following drug

Mark only one oval.

- Spironolactone
- Furosemide
- Hydrochlorthiazide
- Bumetanide

33. 31. Digitalis toxicity is treated with

Mark only one oval.

- Digibind Fab fragments
- IV lignocaine for ventricular arrhythmias
- Shifting patient to ICU
- All of above

34. 32. What is the full form of NSAIDs?

Mark only one oval.

- Non steroidal inflammatory drug
- Steroidal inflammatory drug
- Non-steroidal anti-inflammatory drug
- None

35. 33. Which of the following is non-selective irreversible inhibitors of COX

Mark only one oval.

- Nimesulide
- Ibuprofen
- Aspirin
- Naproxen

36. 34. NSAIDs blocks which enzymes

Mark only one oval.

- Cyclooxygenase
- Acetylcholine esterase
- Both
- None

37. 35. Which of the following is responsible for platelet aggregation?

Mark only one oval.

- TXA2
- PGD2
- PGH2
- All

38. 36. NSAIDs are contraindicated in

Mark only one oval.

- Hypertension
- Diabetes
- AIDS
- Gastric Ulcer

39. 37. Example of COX-3 inhibitors

Mark only one oval.

- Paracetamol
- Aspirin
- Diclofenac
- None

40. 38. Acute toxicity of paracetamol occurs in children due to

Mark only one oval.

- lower glucuronide conjugation
- antipyretic effect
- Renal damage
- All of the above

41. 39. Coxibs have

Mark only one oval.

- 50 fold higher affinity for COX2 than COX1
- 50 fold higher affinity for COX1 than COX2
- 50 fold higher affinity for COX2 than COX3
- 50 fold higher affinity for COX3 than COX1

42. 40. Example of preferential COX-2 inhibitors is

Mark only one oval.

- Aspirin
- Paracetamol
- Meloxicam
- None

43. 41. NSAIDs which do not inhibit prostaglandin synthesis are

Mark only one oval.

- Aspirin
- Paracetamol
- Diclofenac
- Nefopam

44. 42. Gout occurs due to deposition of

Mark only one oval.

- Sodium urate
- Calcium carbonate
- Calcium gluconate
- None

45. 43. Which of the following are uricosuric drugs

Mark only one oval.

- Probenecid
- Sulphinpyrazone
- Both
- None

46. 44. How allopurinol produce the effect ?

Mark only one oval.

- by Inhibiting cyclooxygenase
- by inhibiting synthesis of cytokines
- by inhibiting xanthine oxidase
- None

47. 45. Chronic gout is manifested as

Mark only one oval.

- Appearance of chalk like sodium urate crystals(tophie)
- Hyperuricemia
- Deformities in joints
- All of the above

48. 4.6. Why males are more likely to suffer from gout than females?

Mark only one oval.

- High level of estrogen
- Low level of estrogen
- High level of testosterone
- None

49. 4.7. Which of the following is an autoimmune disease?

Mark only one oval.

- Rheumatoid Arthritis
- Gout
- Osteoarthritis
- None

50. 4.8. Which of the following is uric acid synthesis inhibitor?

Mark only one oval.

- Allopurinol
- Probenecid
- Sulfipyrazone
- None

51. 4.9. Which drugs produce symptomatic relief in Arthritis?

Mark only one oval.

- NSAIDs
- Uricosuric drugs
- DMARDs
- All

52. 50. Which drugs are used in managing RA?

Mark only one oval.

- Anti hypertensive drugs
- Uricosuric drugs
- DMARDs
- All

53. 51. Which drugs are used in treatment of Gout

Mark only one oval.

- Digitalis
- Uricosuric drugs
- DMARDs
- All

54. 52. What is full form of DMARDs?

Mark only one oval.

- Disease modifying antirheumatoid drugs
- Slow acting antirheumatoid drugs
- Biological response modifiers
- None

55. 53. Infliximab is an example of

Mark only one oval.

- Disease modifying antirheumatoid drugs
- Slow acting antirheumatoid drugs
- Biological response modifiers
- None

56. 54. Which of the following is an example of gold compound?

Mark only one oval.

- Sulphasalazine
- Auranofin
- Hydroxychloroquin
- None

57. 55. Mexthotrexate acts by

Mark only one oval.

- inhibiting the synthesis of PGs
- inhibiting the synthesis of cytokines
- inhibiting the S phase of cell division
- none

58. 56. Which of the following is human monoclonal antibody?

Mark only one oval.

- Adalimumab
- Infliximab
- Anakinra
- Etanercept

59. 57. Which of the following limits the effect of genetically engineered protein

Mark only one oval.

- Development of antibodies
- Degradation by enzymes
- Hypersensitivity
- None of the above

60. 58. Which of the following is interleukin inhibitor?

Mark only one oval.

- Anakinra
- Etanercept
- Infliximab
- Adalimumab

61. 59. Which of the following is genetically engineered protein?

Mark only one oval.

- Anakinra
- Etanercept
- Infliximab
- Adalimumab

62. 60. Over secretion of growth hormone after the age of 18 leads to

Mark only one oval.

- Gigantism
- Acromegaly
- Dwarfism
- None of the above

63. 61. MOA of hydroxychloroquin is

Mark only one oval.

- Traps free radicles
- Suppresses T lymphocyte
- Leukocyte chemotaxis
- All

64. 62. Releasing factors/hormones are secreted by

Mark only one oval.

- Hypothalamus
- Adrenal gland
- Pitutary gland
- Pineal gland

65. 63. Which of the following is somatostatin analouge?

Mark only one oval.

- Octreotide
- Lanreotide
- Sandostatin
- All of the above

66. 64. Dopamine agonist is used in treatment of

Mark only one oval.

- Infertility
- Acromegaly
- Hyperprolactinemia
- None of the above

67. 65. Which hormones are released from posterior pituitary?

Mark only one oval.

- Oxytocin
- Vasopressin
- Both of them
- None

68. 66. Which of the following is example of GnRH agonist

Mark only one oval.

- Leuprolide
- cabergoline
- Dopamine
- Bromocriptine

69. 67. GnRH agonist are used in treatment of

Mark only one oval.

- Precocious puberty
- Prostate cancer
- Breast cancer
- All of the above

70. 68. Which cells in anterior pituitary secretes FSH and LH?

Mark only one oval.

- Corticotrophs
- Gonadotrophs
- Somatotrophs
- Thyrotrophs

71. 69. Hyperprolactinemia is manifested as

Mark only one oval.

- Galactorrhea
- Infertility
- Amenorrhea
- All

72. 70. Octreotide can be used for

Mark only one oval.

- Acromegaly
- Oesophageal varices
- GI bleeding
- All

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