

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

REPUBLIC OF YEMEN

Medical Council

Pharmacist Pen Team



الجمهوریة الیمنیة

المجلس الطبی

فريق قلم صيدلي

1

صياغة النشاط (1)

التحديات مناوراة

المؤنة

بكالوريوس صيدلة

إعداد وتجميع فريق قلم صيدلي

I: Choose the best answer for the following questions:

1) Which drug can cause lactic acidosis?

- a) Glimepiride
- b) Pioglitazone
- c) Repaglinide
- d) Metformin

2) Which of the following is a Leukotriene receptor antagonist?

- a) Zileuton
- b) Tiotropium
- c) Ipratropium
- d) Montelukast

3) Indicate the drug belonging to proton pump inhibitors?

- a) Pirenzepine
- b) Famotidine
- c) Pantoprazole
- d) Sodium bicarbonate

4) Which enzyme level is first elevated in myocardial infarction?

- a) Troponin
- b) BNP
- c) LDH
- d) CKBB

5) The insulin that administered once daily is?

- a) Glulisine (apidra)
- b) Glargine (lantus)
- c) Aspart (novolog8)
- d) None of the above

6) All of the following are side effects associated with levothyroxine use except?

- a) Heat intolerance
- b) Weight gain
- c) Irritability
- d) Insomnia

7) The target of action of fluoroquinolones is?

- a) The topoisomerases 2 &4
- b) B, Ribosomes
- c) PBP-membrane
- d) Integrases

8) **Which drug produces crystalluria?**

- a) Penicillin
- b) Sulfamethoxazole
- c) Doxycycline
- d) Gentamycin

9) **Pregnant woman with a chronic hypertensive may be treated as a first choice with?**

- a) Candesartan
- b) Fosinopril
- c) Methyldopa
- d) Hydralazine

10) **Valsartan is?**

- a) Beta-blocker
- b) ACEI
- c) Angiotensin II receptor antagonist
- d) Diuretic

11) **Regarding calcium channel blockers which of the following is true?**

- a) Verapamil is an antiarrhythmic
- b) Diltiazem is a dihydropyridine
- c) Amlodipine has a reflex tachycardia
- d) None of the above

12) **In an acute angina attack, the patient should be used?**

- a) Isosorbide mononitrate
- b) Nifedipine
- c) Nitroglycerin
- d) Propranolol

13) **Which of the following is aminoglycoside antibiotics?**

- a) Amoxicillin
- b) Tetracycline
- c) Gentamycin
- d) Clindamycin

14) **Nifedipine is?**

- a) Constricts vascular smooth muscle
- b) Long-acting formulations are preferred in the long-term treatment of hypertension
- c) Is a nitrate
- d) Results in increased risk of bradycardia when administered concomitantly with atenolol

- 15) **An appropriate laxative preparation for an elderly patient who is bedridden is?**
- a) Bisacodyl
 - b) Senna
 - c) Magnesium sulphate
 - d) Lactulose
- 16) **Haloperidol is used in the treatment of all of the following conditions EXCEPT?**
- a) Motor tics
 - b) Schizophrenia
 - c) Intractable hiccup
 - d) Parkinsonism
- 17) **The management of unstable angina includes all EXCEPT?**
- a) Aspirin
 - b) Exercise stress test
 - c) Clopidogrel
 - d) Isosorbide dinitrate
- 18) **Which of the following causes bronchodilation?**
- a) Adrenaline (epinephrine)
 - b) Histamine
 - c) Prostaglandin E2
 - d) Kinins
- 19) **A significant clinical interaction may occur if sildenafil is administered concomitantly with?**
- a) Zantac tablets
 - b) Tagamet tablets
 - c) Isordil tablets
 - d) Tenormin tablets
- 20) **Which of the following products is NOT indicated as an agent to be used in gastrointestinal ulcer healing?**
- a) Omeprazole
 - b) Rabeprazole
 - c) Misoprostol
 - d) Loperamide
- 21) **The refrigerator in the pharmacy that is used for storage of pharmaceutical products should be kept at a temperature of?**
- a) 0-3°C
 - b) 2-8 °C
 - c) 5-10 °C
 - d) 3-8 °C

- 22) **A patient with diverticular disease is instructed to take a laxative. The pharmacist should appropriately recommend?**
- a) Senokot tablets
 - b) Dulco-lax tablets
 - c) Glycerol suppositories
 - d) Fybogel sachets
- 23) **A patient comes into the pharmacy with rhinorrhea. Which of the following list of symptoms is most likely to indicate allergic rhinitis?**
- a) Colored sputum
 - b) Fever
 - c) Sore throat
 - d) Sneezing
- 24) **The drug of choice for treatment of malarial patients suffering from rheumatoid arthritis?**
- a) Chloroquine
 - b) Amodiaquine
 - c) Artemisinin
 - d) Mefloquine
- 25) **Which of the following does not belong to aminoglycoside antibiotic?**
- a) Gentamicin
 - b) Spectinomycin
 - c) Kanamycin
 - d) None of the above
- 26) **Erythromycin is an antibiotic that belongs to a class known as macrolide with structural feature of?**
- a) Six-member ring
 - b) Twelve-member ring
 - c) Fourteen-member ring
 - d) Fifteen-member ring
- 27) **A 7-year child is suffering from typhoid. Which of the following drugs would you prescribe?**
- a) Norfloxacin
 - b) Ciprofloxacin
 - c) Doxycycline
 - d) Amoxicillin
- 28) **Tricyclic antidepressants can block alfa I receptors and that may lead to?**
- a) Postural hypotension
 - b) Dry mouth
 - c) Euphoria and happiness

d) Bradycardia

29) Antidepressants can be used for the following EXCEPT?

- a) Premature ejaculation
- b) Chronic anxiety
- c) Major depression
- d) Mania

30) To increase excretion of an acidic drug (in case of toxicity), we can give?

- a) Ascorbic acid
- b) NaCl
- c) NaHCO₃
- d) Flumazenil

31) To treat benign prostate hyperplasia, we could use?

- a) Alfa-1 stimulants
- b) Alfa-2 stimulants
- c) Alfa-1 blockers
- d) Beta-1 blocker

32) Prazosin is a?

- a) Alfa-1 stimulant
- b) Alfa-1 blocker
- c) Beta-1 agonist
- d) Beta-2 antagonist

33) Increased uric acid in plasma and possibly gout is associated with?

- a) Lisinopril
- b) Beta Blocker
- c) Digoxin
- d) Furosemide

34) Corticosteroids (e.g. hydrocortisone) can be used in the following except?

- a) Allergic rhinitis
- b) Osteoporosis
- c) Respiratory distress syndrome in premature infants
- d) Immunosuppressant

35) Tamoxifen is used clinically in treating breast cancer because it?

- a) Stimulates Estrogen Receptors in The Breast
- b) Stimulates Estrogen Receptors in The Hypothalamus
- c) Inhibits Estrogen Receptors in The Breast
- d) Inhibits Estrogen Receptors in The Hypothalamus

- 36) **TO decrease preload and afterload on the heart and thus treat congestive heart failure, we can prescribe?**
- Beta Blockers
 - Digoxin
 - Captopril
 - Warfarin
- 37) **A positive inotropic agent that increases heart contractility used to treat heart failure is?**
- Amiodarone
 - Captopril
 - Amrinone
 - Metoprolol
- 38) **Which drug is a powerful diuretic and is preferred for emergency hypertension?**
- Frusemide
 - Mannitol
 - Hydrochlorothiazide
 - Spironolactone
- 39) **The best intervention for anaphylactic shock that follows injecting a drug?**
- Beta-2 Stimulant and Adrenaline
 - Hydrocortisone and A Mast Cell Stabilizer
 - Anti-Histamine Injection
 - Adrenaline and Hydrocortisone
- 40) **H2 blocker that is associated with drug-drug Interactions and with anti-androgenic side effects?**
- Ranitidine
 - Lansoprazole
 - Cimetidine
 - Aluminum Hydroxide
- 41) **Which of the following is a hormone mainly responsible for Na and H₂O retention?**
- Cortisol
 - Growth hormone in small quantity
 - Aldosterone
 - Oxytocin
- 42) **For Chlamydia-caused infections in the genital tract, eye, and in lungs (atypical pneumonia), the best treatment would be?**
- Amoxicillin and Clavulanic Acid
 - Ceftazidime & Gentamicin
 - Azithromycin
 - Sulfamethoxazole and Trimethoprim

43) Best drug as penicillin-substitutes in case of allergy?

- a) Tetracyclines
- b) 3rd Generation Cephalosporins
- c) Macrolides
- d) Aminoglycosides

44) This drug act by inhibiting sensory transmission in the sensory nerve by blocking Na channels?

- a) Acetaminophen
- b) Dexamethasone
- c) Morphine
- d) Procaine

45) Antipsychotics act by?

- a) Stimulating dopamine activity
- b) Blocking d2 receptors
- c) Inhibiting serotonin reuptake
- d) Inhibiting mono amine oxidase

46) Which one of the following can't cause when using PPIs?

- a) Clostridium difficile Infection
- b) Acquired Pulmonary Infection
- c) Hyperkalemia
- d) Bone Fracture

47) Binding proteins of drug depend on?

- a) Hydrophobic ability
- b) Hydrophilic ability
- c) Both a and b
- d) None of the above

48) Reasons of combination of ampicillin + sulbactam?

- a) Increase activity
- b) Decrease activity
- c) Increase the potency of activity of ampicillin
- d) None of the above

49) Reasons of combination of amoxicillin + Clavulanic acid?

- a) Increase activity
- b) Decrease activity
- c) Increase the penicillinase enzyme activity
- d) None of the above

50) Which well appears in penicillin allergy test?

- a) Penicillanic acid
- b) Lysine
- c) Penicillin protein
- d) None of the above

51) Which used in MARSA?

- a) Vancomycin
- b) Azithromycin
- c) Ceftriaxone
- d) Sulfamethoxazole

52) Which not cause cardiac arrhythmia?

- a) Azithromycin
- b) Clarithromycin
- c) Gentamicin
- d) None of the above

53) Which not cause secondary dyslipidemia?

- a) Hypothyroidism
- b) Hyperthyroidism
- c) Diabetes Mellitus
- d) Renal Failure

54) Propylthiouracil is prefer than methimazole in pregnancy due to?

- a) Less hepatotoxic than methimazole
- b) Less teratogenic than methimazole
- c) Less cause fetus hyperthyroidism
- d) None of the above

55) Which of the following medications contain a glucagon-like peptide receptor agonist GLP 1ra?

- a) Dpp4 Inhibitors
- b) Liraglutide
- c) Meglitinide
- d) Sulfonylurea

56) Which anti diabetic cause loss weight?

- a) Glyburide
- b) Pioglitazone
- c) Canagliflozin
- d) None of the above

57) Which of the following used for congestion associated with diuretic resistance?

- a) Chlorothiazide + Spironolactone
- b) Furosemide + Spironolactone
- c) Furosemide + Metolazone

58) Polypharmacy can cause except?

- a) Patient adherence
- b) Drug-drug interactions
- c) Patient hospitalization
- d) All of the above

59) Which most monitored during lamotrigine treatment?

- a) Rash
- b) Confusion
- c) Hepatotoxicity
- d) None of the above

60) Local anesthetics in combination with epinephrine produce?

- a) Reduce bleeding
- b) Increase duration and quality of anesthetic
- c) Decrease amount of drug from reaching systemic circulation
- d) All of the above

61) Which of the following agents is tricyclic antidepressant (TRCA) with analgesia activity?

- a) Fluoxetine
- b) Moclobemide
- c) Tranylcypromine
- d) Amitriptyline

62) All of the following statements causes hyperacidity EXCEPT?

- a) NSAID drugs
- b) Smoking uptake
- c) Stress behavior
- d) Increase of sodium bicarbonate

63) All Proton pump inhibitors should be administered at?

- a) 30-60 minute after meal
- b) 30-60 minute before meal
- c) 40-80 minute after meal
- d) All of the above are true

64) Indicate the drug belonging to proton pump inhibitors?

- a) Pirenzepine
- b) Ranitidine
- c) Lansoprazole
- d) Trimethoprim

65) Ipratropium is more preferred than atropine because?

- a) It is more selective muscarinic blocker
- b) It can cross BBB and can cause CNS side effects
- c) It causes excessive dryness of bronchial secretions
- d) It is non-selective muscarinic blocker

66) Non-drug therapy of constipation includes the following statements EXCEPT?

- a) Increase fluid intake
- b) Diet rich in fibers
- c) Increase of tea and coffee intake
- d) Physical exercise

67) Phenytoin is used intravenously in the treatment of?

- a) Petit mal epilepsy
- b) Grand mal epilepsy
- c) Myoclonic seizures
- d) Status epilepticus

68) Which of the following can produce therapeutic response?

- a) Bound to plasma albumin
- b) Unbound to plasma proteins
- c) Concentrated in the urine
- d) Not absorbed from the GI tract

69) Intravenous albumin is the ideal choice for treatment of the following condition?

- a) Ascites due to chronic liver diseases
- b) Edema due to chronic kidney disease
- c) Edema due to congestive heart failure
- d) Lymphedema

70) A patient taking an oral diuretic for about 6 months present with elevated fasting and postprandial blood glucose levels. You suspect the glycemic problem are diuretic-induced. Which of the following was the most likely cause?

- a) Acetazolamide
- b) Amiloride
- c) Chlorothiazide
- d) Spironolactone