

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

REPUBLIC OF YEMEN

Medical Council

Pharmacist Pen Team

قلم صيدلي  
PHARMACIST PEN FOR TRAINING

الجمهورية اليمنية

المجلس الطبي

فريق قلم صيدلي

2

صالح النشاط (أ)

التمارين صياغة

المعنى

بكالوريوس صيدلي

إعداد وتجميع فريق قلم صيدلي

**I: Choose the best answer for the following questions:**

**71) Clarithromycin and erythromycin have very similar spectra of antimicrobial activity. The major advantage of clarithromycin is that it?**

- a) Doesn't inhibit hepatic drug metabolizing enzymes
- b) Eradicates mycoplasma infections in a single dose
- c) Has greater activity against H-pylori
- d) Is active against methicillin-resistant strains of staphylococci

**72) A patient needs antibiotic treatment for native valve, culture positive infective enterococcal endocarditis. His medical history includes a severe anaphylactic reaction to penicillin G during the last year. The best approach would be treatment with?**

- a) Amoxicillin-clavulanate
- b) Aztreonam
- c) Vancomycin
- d) Ticarcillin

**73) H<sub>2</sub> histamine receptor subtype is distributed in?**

- a) Smooth muscle, endothelium and brain
- b) Gastric mucosa, cardiac muscle mast cells
- c) Pre-synaptically in brain, mesenteric plexus and other neurons
- d) All of the above

**74) Pick the anticancer drug of plant origin?**

- a) Dactinomycin
- b) Vincristine
- c) Methotrexate
- d) Procarbazine

**75) Pick the beta-lactamase inhibitor for co-administration with penicillin?**

- a) Clavulanic acid
- b) Sulbactam
- c) Tazobactam
- d) All of the above

**76) Cephalosporins are drugs of choice for treatment of?**

- a) Gram-positive microorganism infections
- b) Gram-negative microorganism infections
- c) Gram-negative and gram-positive microorganism infections, if penicillin have no effect
- d) Only bacteroid infections

**77) All of the following antibiotics are macrolide except?**

- a) Erythromycin
- b) Clarithromycin
- c) Lincomycin
- d) Roxithromycin

**78) Histamine induced edema results from the action of ..... receptors?**

- a) H<sub>3</sub>
- b) H<sub>2</sub>
- c) H<sub>1</sub>
- d) All of the above

**79) Aspirin is contraindicated in pregnant women near term because**

- a) Labor may be delayed and prolonged
- b) Blood loss during delivery may be more
- c) Fetus may suffer premature closure of ductus arteriosus
- d) All of the above

**80) Which of the following drugs is most appropriate for oral use in vaginal candidiasis?**

- a) Clotrimazole
- b) Griseofulvin
- c) Fluconazole
- d) Flucytosine

**81) Supplementary pyridoxine may prevent neurotoxicity in persons who use which of the following drugs?**

- a) Ciprofloxacin
- b) Isoniazid
- c) Linezolid
- d) Clarithromycin

**82) Which of the following are treated with Ginkgo follum?**

- a) Concentration and memory problems
- b) Restlessness, sleeplessness and anxiety
- c) Dizziness and tinnitus
- d) Mild cardiac insufficiency

**83) Which of the following alkaloids can be found in opium?**

- a) Papaverine
- b) Noscapine
- c) Thebaine
- d) Ephedrine

84) **Duration of nitroglycerine action (sublingual) is?**

- a) 10-30 minutes
- b) 6-8 hours
- c) 3-5 minutes
- d) 1.5-2 hours

85) **The following statements concerning mechanism of nitrate beneficial effects are EXCEPT?**

- a) Decreased myocardial oxygen requirement
- b) Relief of coronary artery spasm
- c) Improved perfusion to ischemic myocardium
- d) Increased myocardial oxygen consumption

86) **Side effect of nitrates and nitrate drugs are, EXCEPT?**

- a) Orthostatic hypotension, tachycardia
- b) GI disturbance
- c) Throbbing headache
- d) Tolerance

87) **Tick the diuretic agent - aldosterone antagonist?**

- a) Furosemide
- b) Spironolactone
- c) Di-chlorothiazide
- d) Captopril

88) **Tick the diuretic agent having a potent and rapid effect?**

- a) Furosemide
- b) Spironolactone
- c) Di-chlorothiazide
- d) Indapamide

89) **Indicate the drug - Vinca minor alkaloid?**

- a) Nitroglycerin
- b) Warfarin
- c) Cinnarizine
- d) Vinpocetine

90) **Insulin cannot be administered by?**

- a) Oral route
- b) Intravenous route
- c) Subcutaneous route
- d) Intramuscular route

**91) Amphetamine is more ionized in?**

- a) Alkaline PH
- b) Acidic PH
- c) A and b
- d) None of the above

**92) Sustained release tablets are?**

- a) Rapid in absorption
- b) Intermediate absorption
- c) Slow in absorption
- d) Absorption increases with increasing the dose

**93) Sudden withdrawal of beta blockers leads to?**

- a) Severe tachycardia
- b) Arrhythmia
- c) Myocardial infarction
- d) All of the above

**94) All of the statements below are correct about drug particles larger than MW 1000 Da EXCEPT?**

- a) Cross placenta
- b) Cannot cross placenta barriers
- c) Cannot be absorbed
- d) Should be given parenterally

**95) The addition of gentamycin to carbenicillin causes?**

- a) Physical antagonism
- b) Physiological antagonism
- c) Chemical antagonism
- d) Pharmacokinetic antagonism

**96) Hemolysis that may occur with sulfonamides therapy may be due to?**

- a) Pseudo-cholinesterase deficiency
- b) Methemoglobin reductase deficiency
- c) G6PD deficiency
- d) Vitamin K epoxide reductase deficiency

**97) Which of the following viral diseases has no available vaccines?**

- a) Gastroenteritis
- b) Common cold
- c) Influenzas
- d) Hepatitis A

**98) Benzodiazepines act at a specific receptor site?**

- a) GABAergic
- b) Serotonergic
- c) Dopaminergic
- d) Muscarinic

**99) Tick the drug belonging to antibiotic - macrolides?**

- a) Neomycin
- b) Doxycycline
- c) Erythromycin
- d) Cefotaxime

**100) The following antibiotic demonstrate a prolonged effect?**

- a) Benzathine penicillin
- b) Penicillin V
- c) Penicillin G
- d) All of the above

**101) Schizophrenia has following clinical features?**

- a) Delusions
- b) Hallucinations
- c) Thought disorders
- d) All of the above

**102) A friend has very severe hypertension and asks about a drug her doctor wishes to prescribe. Her physician has explained that this drug is associated with tachycardia, retention (which may be marked) and increased hair growth. Which of the following drugs is likely to produce the effects that your friend has described?**

- a) Captopril
- b) Guanethidine
- c) Minoxidil
- d) Prazosin

**103) A common storage condition for most biotechnology product after reconstitution is?**

- a) Room temperature
- b) Cool place
- c) Warm place
- d) No excessive heat

104) **Ergometrine stops postpartum hemorrhage by?**

- a) Causing vasoconstriction of uterine arteries
- b) Increasing tone of uterine muscle
- c) Promoting coagulation
- d) Inducing platelet aggregation

105) **Pharmacokinetics are/is?**

- a) Absorption
- b) Distribution
- c) Elimination
- d) All of the above

106) **Induction of liver microsomal enzymes can?**

- a) Require the dose increase of some drugs
- b) Require the dose decrease of some drugs
- c) Prolong the duration of action of a drug.
- d) Intensify the unwanted reaction of a drug

107) **Pharmacokinetics are significant for?**

- a) Route of administration
- b) Dose of absorption
- c) Duration of action
- d) All of the above

108) **Risk factors of hypertension includes?**

- a) Salt intake
- b) Vegetables
- c) Ibuprofen
- d) A and c

109) **Spironolactone induced-hyperkalemia is enhanced by?**

- a) Concomitant thiazide
- b) Concomitant furosemide
- c) Concomitant amlodipine
- d) Concomitant captopril

110) **The following type of drug-drug interaction due to absorption, distribution, metabolism, excretion is?**

- a) Pharmacodynamic interaction
- b) Chemical interaction
- c) Physical interaction
- d) Pharmacokinetic interaction

- 111) **Dry cough is the most common side effect of the following drug?**  
a) Lisinopril  
b) Candesartan  
c) Metoprolol  
d) Thiazide
- 112) **The drug of choice for treating hypertension with diabetes mellitus?**  
a) Bisoprolol  
b) Enalapril  
c) Hydralazine  
d) Phentolamine
- 113) **The drug used in treatment of hypertension and heart failure?**  
a) Bisoprolol  
b) Diazoxide  
c) Phentolamine  
d) Minoxidil
- 114) **The drug which is contraindicated in ischemic disease?**  
a) Amlodipine  
b) Verapamil  
c) Nifedipine  
d) None of the above
- 115) **Which of the following drug is recommended for the treatment of pseudomonas aeruginosa infections?**  
a) Ceftazidime  
b) Piperacillin + Tazobactam  
c) Cefotaxime  
d) A and b
- 116) **Which of the following molecules is recommended in the treatment of staphylococcus aureus resistant to methicillin (MRSA)?**  
a) Imipenem  
b) Amoxicillin  
c) Cefacur  
d) Vancomycin



- 117) **What is the antibiotic that cannot be the cause of QT prolongation with risk of cardiac arrest?**
- a) Azithromycin
  - b) Amikacin
  - c) Gatifloxacin
  - d) Clarithromycin
- 118) **The following antibiotics are capable of inducing renal nephrotoxicity?**
- a) Quinolones
  - b) Macrolides
  - c) Aminoglycosides
  - d) None of the above
- 119) **Which of the following drugs are loop diuretics?**
- a) Amiloride
  - b) Furosemide
  - c) Hydrochlorothiazide
  - d) Acetazolamide
- 120) **Unfractionated heparin toxicity?**
- a) Acute renal failure
  - b) Thrombocytopenia
  - c) Agranulocytosis
- 121) **In case of acute anginal attack, you should dispense which of the following drugs?**
- a) Isosorbide mononitrate
  - b) Amlodipine
  - c) Nitroglycerin S\L
  - d) Propranolol