

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

REPUBLIC OF YEMEN

Medical Council

Pharmacist Pen Team



الجمهورية اليمنية  
المجلس الطبي  
فريق قلم صيدلي

3

دليلك الشامل (أ)  
اختبارات صياولة  
المعنة  
حل الورق وور صيدلي

 <https://pharmacistpen.com>

 <https://www.facebook.com/PharmacistPen>

 <https://www.youtube.com/@pharmacistpen>

 <https://t.me/pharmacistpen1>

إعداد وتجميع فريق قلم صيدلي

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

**122) Candesartan is an?**

- a) ACEIs
- b) ARBs**
- c)  $\beta$ -blockers
- d) Diuretic

**123) Regarding calcium channel blockers?**

- a) Verapamil has an antiarrhythmic effect**
- b) Nifedipine is an antiarrhythmic
- c) Diltiazem is a dihydropyridines
- d) None of the above

**124) Regarding the antidiabetic drugs?**

- a) Biguanides are insulin secretion
- b) Sulfonylurea increase insulin secretion**
- c) Glitazone inhibit  $\alpha$ -glycosidase enzyme
- d) Metformin cause hypoglycemic effect

**125) Insulin formulation that has very fast onset of action?**

- a) Glargine
- b) Lispro**
- c) NPH
- d) None of the above

**126) Indicate the specific antidote of diazepam?**

- a) Flumazenil**
- b) Buprion
- c) Zolpidem
- d) Triazolam

**127) Which enzyme level first elevated in myocardial infarction?**

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

**128) Oral diabetes agent includes all of the followings except?**

- a) SGLT<sub>2</sub> inhibitors
- b) Biguanides
- c) Aspirin**

d)  $\alpha$ -glycosidase inhibitors

**129) Metformin is used in all of the following except?**

- a) Obesity
- b) Tendency to develop lactic acidosis
- c) GFR < 30 ml/minute
- d) Both b and c

**130) The bioavailability of a drug administered by intravenous route?**

- a) 100%
- b) 0%
- c) Dependent on the half-life of the drug
- d) Is unpredictable

**131) The major advantages of powders and granules?**

- a) Bulk powder is easily carried by patients
- b) They are more stable than liquid preparations
- c) They can mask unpleasant taste
- d) None of the above

**132) For localized treatment in the mouth, the following forms can be used?**

- a) Chewable tablets
- b) Sublingual tablets
- c) Lozenges
- d) Hard gelatin capsule

**133) The gas evolved when effervescent powder dissolve in water is?**

- a) Oxygen
- b) Carbon dioxide
- c) Carbon monoxide
- d) Water vapor

**134) The following products are not classified as dispensed powder or granule?**

- a) Dentifrices
- b) Douches
- c) Insufflations
- d) Tinctures

**135) The main difference between soft and hard gelatin capsule are?**

- a) Drug are added to the capsule shell
- b) Hard gelatin shells are not plasticized
- c) Hard gelatin shells are plasticized

d) The basic component of soft shells is not gelatin

**136) Excipients that added to tablet formulations to provide enough compression are?**

- a) Glidants
- b) Diluents
- c) Lubricants
- d) Disintegrates

**137) Mercury compound can only be used in high dilution because?**

- a) Toxic
- b) Nontoxic
- c) Less toxic
- d) Highly toxic

**138) Synergistic effects happened?**

- a) Between fluoroquinolones and beta-lactam anti-pseudomonas only
- b) Between fluoroquinolones and aminoglycosides only
- c) Between fluoroquinolones and beta-lactam anti-pseudomonas and aminoglycosides
- d) None of the above

**139) Using fluoroquinolones with NSAIDs?**

- a) Increase CNS toxicity and seizers
- b) Decrease CNS toxicity
- c) No effect
- d) None of the above

**140) Antacids and sucralfate?**

- a) Decrease the absorption of fluoroquinolones
- b) Increase the absorption of quinolones
- c) No effect
- d) None of the above

**141) Which of the following is a Leukotriene receptor antagonist?**

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

**142) The principles of solubility of solute in solvent depend on the following?**

- a) Similar structure between solute and solvent.
- b) Polar solute dissolve in polar solvent.



- c) Non-polar solute dissolve in polar solvent
- d) All of the above

**143) Surfactants can be used as?**

- a) Wetting and solubilizing agents
- b) Emulsifying and suspending agents
- c) Detergents and granulation agents
- d) A and b

**144) Hygroscopicity is defined as?**

- a) Ability of substance to loss water to form a lower hydrate or becomes anhydrous
- b) Ability of a powder to absorb moisture from the atmosphere
- c) Ability of a powder to absorb high moisture from the atmosphere to dissolve it
- d) All of the above

**145) Factors that affect solubility of drug are summarized as?**

- a) PH/Pka and particale size of drug
- b) Solvent type and surfactants
- c) Temperature and complexation
- d) All of the above

**146) Benefits of topical suspension over solutions are?**

- a) Less oily feel than solution
- b) Greater viscosity and residence
- c) Easier to apply mask taste than solutions
- d) All of the above

**147) The following function of excipients are true EXCEPT?**

- a) Diluent promotes the required bulk of tablets
- b) Binder promotes granulation during granulation method
- c) Lubricant helps the patient to swallow the tablets
- d) Disintegrate breaks tablets into parts to enhance dissolution

**148) The route of drug administration that provides complete bioavailability is?**

- a) Intramuscular injection
- b) Nasal route
- c) Intravenous injection
- d) Oral route

**149) Pyrogen if present in product taken by patient will?**

- a) Increase temperature
- b) Decrease temperature
- c) No effect



d) None of the above

**150) The insulin that administered once daily is?**

- a) Glulisin (apidra)
- b) Glargine (lantus)
- c) E.aspart (novolog)
- d) None of the above

**151) Insulin formulation that has a rapid onset of action is?**

- a) Glargine
- b) Glulisin
- c) Lispro
- d) Both b and c

**152) Oral antidiabetic agents include all of the followings, EXCEPT?**

- a) Sulfonylureas
- b) Biguanides
- c) LTRA
- d) Thiazolidinediones

**153) Which of the anti-hypertensive agents listed below is the agent of choice for treatment of diabetic kidney disease?**

- a) Ramipril
- b) Adelphane
- c) Crystepin
- d) Haemiton

**154) Which antibacterial medicine belong to Aminoglycosides?**

- a) Benzylpenicillin sodium salt
- b) Vancomycin
- c) Ceftriaxone
- d) Tobramycin

**155) Therapeutic window is the dosage of a medication (therapeutic serum concentrations) between?**

- a) ED50 and T1/2
- b) The amount that gives an effect (effective dose-adverse effect) and the amount that gives more than desired effects
- c) The amount that gives minimal adverse effects and the amount that gives more
- d) The amount that gives minimal effect and the amount that gives full therapeutic effect

**156) Therapeutic index is the ratio of?**

- a) Bioavailability over drug dose



- b) LD50 over the ED50
- c) ED50 over LD50
- d) Total clearance over non-renal clearance

157) **Bioavailability is the?**

- a) Amount of administered drug that reaches the systemic circulation in unchanged form
- b) Amount of administered drug that reaches the systemic circulation
- c) Amount of administered drug that reaches the systemic circulation in changed form
- d) Ability of administered drug to reach its target of action

158) **Which of the following statements of metoclopramide is FALSE?**

- a) Is an antiemetic
- b) Reduce antral contraction
- c) Increase the pressure of the lower esophageal sphincter
- d) May be responsible for dyskinesias

159) **Which of the following effects is not observed during the treatment with muscarinic antagonist drugs?**

- a) Tachycardia
- b) Mydriasis
- c) Relaxation of the bladder sphincter
- d) Relaxation of the intestine

160) **Which of the following statement of benzodiazepines is NOT TRUE?**

- a) Antidepressant
- b) Anticonvulsant
- c) Amnesic
- d) Muscle Relaxant

161) **What is the process that may increase nephrotoxicity of aminoglycosides?**

- a) Use diuretics with furosemide
- b) Monitoring residual serum
- c) Adaptation of dose according to the creatinine clearance
- d) Correction of any dehydration

162) **Which of the following antimicrobial drug is not contraindicated with alcohol?**

- a) Metronidazole
- b) Ketoconazole
- c) Ampicillin
- d) Tinidazole



- 163) **Which of the following drug is not recommended for the treatment of Pseudomonas aeruginosa infection?**
- a) Ceftazidime
  - b) Piperacillin + Tazobactam
  - c) Cefazolin
  - d) Cefepime
- 164) **Which of the following drug is not recommended for the treatment of Staphylococcus aureus resistant to methicillin (MRSA)?**
- a) Vancomycin
  - b) Ceftriaxone
  - c) Linezolid
  - d) Tigecycline
- 165) **Which of the following antibiotic is capable of inducing nephrotoxicity even in patients with normal renal function?**
- a) Quinolones
  - b) Macrolides
  - c) Aminoglycosides
  - d)  $\beta$ -lactams
- 166) **What is the antibiotic that cannot be the cause of QT prolongation with risk of torsades de Point and cardiac arrest?**
- a) Azithromycin
  - b) Gentamycin
  - c) Moxifloxacin
  - d) Clarithromycin
- 167) **Heparin is capable of?**
- a) Agranulocytosis
  - b) Acute renal failure
  - c) Platelet depletion
  - d) Liver failure
- 168) **A drug that is used safely in hypertensive patients with ischemic heart disease?**
- a) Candesartan
  - b) Minoxidil
  - c) Phentolamine
  - d) Diazoxide
- 169) **Which of the following is a carbonic anhydrase inhibitor?**
- a) Amiloride
  - b) Acetazolamide





- c) Hydrochlorothiazide
- d) Furosemide

**170) Regarding calcium channel blockers?**

- a) Verapamil is not antiarrhythmic
- b) Nifedipine is an antiarrhythmic
- c) Amlodipine has a reflex tachycardia
- d) Diltiazem is a non-dihydropyridine

**171) Regarding antidiabetic agents?**

- a) Biguanides are less effect than sulfonamides
- b) Sulfonamides increase insulin sensitivity
- c) Biguanides increase insulin secretion
- d) Glitazones need enough insulin

زورو موقعنا عبر جوجل وقناتنا الرسمية عبر تليجرام للاطلاع على جميع النازج والملخصات

والتفريغات المهمة في عالم الصيدلة 📖📖📖

