

Test 1

Questions

Questions 1–25

Directions: Each of the questions or incomplete statements is followed by five suggested answers. Select the best answer in each case.



Q1 All of the following products contain hydrocortisone EXCEPT:

- A Fucidin H
- B Daktacort
- C Fucicort
- D Hydrocortisyl
- E Canesten HC



Q2 All of the following accompanying symptoms for headache warrant referral EXCEPT:

- A loss of consciousness
- B neck stiffness
- C paraesthesia
- D slurred speech
- E fever



Q3 Nifedipine:

- A constricts vascular smooth muscle
- B long-acting formulations are preferred in the long-term treatment of hypertension

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- C is a nitrate
- D interferes with the inward displacement of potassium ions through active cell membranes
- E results in increased risk of bradycardia when administered concomitantly with atenolol



Q4

Which of the following is NOT involved in the presentation of seasonal allergic rhinitis?

- A leukotrienes
- B prostaglandins
- C osteocytes
- D basophils
- E mast cells



Q5

Patient medication records should include all EXCEPT:

- A medication allergies
- B diagnosis
- C current medication therapy
- D pets kept at home
- E age



Q6

What is an appropriate therapeutic alternative for Uniflu?

- A Actifed
- B Day Nurse
- C Phenergan
- D Ventolin
- E Xyzal



Q7

Symptoms of vaginal candidiasis that warrant referral include all EXCEPT:

- A vaginal discharge
- B abdominal pain
- C fever
- D diabetes
- E pregnancy



Q8

An appropriate laxative preparation for an elderly patient who is bed-ridden is:

- A bisacodyl
- B senna
- C magnesium sulphate
- D lactulose
- E liquid paraffin



Q9

All of the following drugs affect the renin–angiotensin system EXCEPT:

- A hydralazine
- B valsartan
- C losartan
- D perindopril
- E enalapril



Q10

A significant clinical interaction may occur if lithium is administered concomitantly with:

- A paroxetine
- B glibenclamide
- C co-amoxiclav
- D atenolol
- E nifedipine



Q11 Rofecoxib:

- A has a similar effect to diclofenac
- B provides protection against ischaemic cardiovascular events
- C is indicated for long-term use in osteoarthritis
- D is not contraindicated in patients with active peptic ulceration
- E is marketed under the proprietary name Mobic



Q12 For optimum response, plasma theophylline concentration should be maintained at:

- A 30–40 mg/L
- B 2–5 mg/L
- C 8–10 mg/L
- D 10–20 mg/L
- E 20–25 mg/L



Q13 Appropriate preparations which could be dispensed over-the-counter to treat motion sickness include all of the following EXCEPT:

- A Stugeron
- B Avomine
- C Biodramina
- D Motilium
- E Phenergan



Q14 Alfuzosin is used in benign prostatic hyperplasia because it:

- A lowers blood pressure
- B decreases urinary flow rate
- C constricts smooth muscle
- D increases bladder capacity
- E relaxes smooth muscle



Q15 Which of the following antibacterial agents is not presented for systemic use?

- A sodium fusidate
- B vancomycin
- C gentamicin
- D mupirocin
- E doxycycline



Q16 All of the following products are Controlled Drugs EXCEPT:

- A pethidine
- B diazepam
- C morphine
- D alfentanil
- E phenazocine



Q17 Famciclovir is:

- A an ester of aciclovir
- B too toxic for systemic use
- C a pro-drug of penciclovir
- D not indicated in acute genital herpes simplex
- E indicated for the prophylaxis of varicella zoster



Q18 All of the following factors could precipitate the onset of herpes labialis EXCEPT:

- A common cold
- B sun
- C trauma to the lips
- D dental caries
- E immunosuppression



Q19 A preparation that is available in eye drops and as an eye ointment is:

- A Fucithalamic
- B Soframycin
- C Zovirax
- D Livostin
- E Timoptol



Q20 Cilest differs from Microgynon in that it:

- A is used in hormone replacement therapy
- B is available for transdermal drug delivery
- C has to be taken twice daily
- D contains norgestimate
- E can be used in patients with venous thromboembolic disease



Q21 What is the most appropriate treatment that could be dispensed over-the-counter for irritation due to contact dermatitis?

- A Histergan cream
- B Travocort cream
- C Hydrocortisyl cream
- D Clarityn tablets
- E Pevaryl sachets



Q22 Which of the following products is NOT indicated for the treatment of insomnia?

- A Stilnoct
- B diazepam
- C Heminevrin
- D Buspar
- E Phenergan



Q23 Which of the following products may be recommended as an equivalent to Rhinocort Aqua?

- A Livostin
- B Otrivine
- C Beconase
- D Dexamethasone Nasal Spray Duo
- E Rhinocap



Q24 Bupivacaine:

- A has a rapid onset of action
- B is suitable for continuous epidural analgesia in labour
- C is of short duration of action
- D is used in dentistry
- E is presented in Xylocaine



Q25 Haloperidol is used in the treatment of all of the following conditions EXCEPT:

- A motor tics
- B schizophrenia
- C intractable hiccup
- D parkinsonism
- E severe anxiety


Questions 26–52


Directions: Each group of questions below consists of five lettered headings followed by a list of numbered questions. For each numbered question select the one heading that is most closely related to it. Each heading may be used once, more than once, or not at all.


Questions 26–28 concern the following vaccines:

- A Twinrix
- B ACT-HIB
- C Engerix B
- D Fluarix
- E Havrix

Select from **A** to **E**, which one of the above:

 **Q26** covers against hepatitis A and B

 **Q27** is not normally required for children over 4 years

 **Q28** contains the H and N component of the prevalent strains as indicated by the World Health Organisation


Questions 29–31 concern the following products:

- A Zinnat
- B Zofran
- C Cytotec
- D Indocid
- E Diamox

Select from **A** to **E**, the product that can cause:

 **Q29** constipation

 **Q30** abnormal vaginal bleeding

 **Q31** paraesthesia


Questions 32–34 concern the following products:

- A Cardura
- B Inderal
- C Cozaar
- D Tildiem
- E Aldactone

Select from **A** to **E**, the product that should be used with caution in the following conditions:

 **Q32** porphyria

 **Q33** diabetes

 **Q34** myasthenia gravis

Questions 35–37 concern the following manufacturers:

- A AstraZeneca
- B Schering-Plough
- C Boehringer Ingelheim
- D Lilly
- E Abbott

Select from **A** to **E**, which one of the above manufacturers is associated with the trademarked product:

 **Q35** Nu-Seals

 **Q36** Bricanyl

 **Q37** Alupent

Questions 38–40 concern the following products:

- A Karvol
- B Livostin
- C Difflam
- D Molcer
- E Daktarin

Select from A to E, the product that is presented in the following dosage forms:

 Q38 oral rinse

 Q39 nasal spray


 Q40 ear drops


Questions 41–44 concern the following drugs:


- A levodopa
- B domperidone
- C fluvastatin
- D lithium
- E fluvoxamine

Select from A to E, which of the above:

 Q41 should prompt liver function tests before initiating treatment

 Q42 should be used with caution in patients with epilepsy


 Q43 requires monitoring of thyroid function

 Q44 should be used with caution in patients with peptic ulcer disease


Questions 45–48 concern the following strengths:


- A 2 mg
- B 150 mg
- C 5 mg
- D 10 mg
- E 200 mg

Select from **A** to **E**, a strength in which the following products are available:

 **Q45** Dulcolax tablets

 **Q46** Zantac tablets

 **Q47** Phenergan tablets

 **Q48** Imodium capsules

Questions 49–52 concern the following drugs:

- A norfloxacin
- B nabumetone
- C nifedipine
- D nalidixic acid
- E nefazodone

Select from **A** to **E**, which one of the above corresponds to the drug brand name:

 **Q49** Mictral

 **Q50** Noroxin

 **Q51** Relifex

 **Q52** Adalat

Questions 53–83

Directions: For each of the questions below, ONE or MORE of the responses is (are) correct. Decide which of the responses is (are) correct. Then choose:

- A if 1, 2 and 3 are correct
- B if 1 and 2 only are correct
- C if 2 and 3 only are correct
- D if 1 only is correct
- E if 3 only is correct

Directions summarised				
A	B	C	D	E
1, 2, 3	1, 2 only	2, 3 only	1 only	3 only



Q53 When dispensing acarbose, the patient should be advised:

- 1 to take tablets in the morning
- 2 to avoid direct sunlight
- 3 that flatulence and diarrhoea may occur



Q54 Side-effects of esomeprazole include:

- 1 headache
- 2 pruritus
- 3 dizziness



Q55 Care should be taken with the use of the following drug(s) in older patients:

- 1 digoxin
- 2 trihexyphenidyl (benzhexol)
- 3 lactulose



Q56 When dispensing mefloquine as a prophylaxis against malaria, the patient should be advised that:

- 1 prophylaxis has to be taken regularly
- 2 mosquito bites should be avoided
- 3 dizziness may occur as a side-effect



Q57 Symptoms of venous thrombosis include:

- 1 oedema
- 2 lower leg becoming bluish in colour
- 3 dry skin



Q58 In diabetes, blood glucose monitoring by the patient is of benefit:

- 1 to detect hypoglycaemia
- 2 to observe fluctuations in blood glucose over 24 h
- 3 to make daily adjustments to insulin dose



Q59 Carcinoma of the large bowel could present:

- 1 with symptoms of bowel obstruction
- 2 at an advanced stage
- 3 with melaena



Q60 Clinical signs of tuberculosis include:

- 1 persistent cough
- 2 fever
- 3 weight loss



Q61 Diagnosis of head lice infestation is based on:

- 1 detection combing
- 2 itchy scalp
- 3 hair cleanliness



Q62 Which of the symptoms are characteristic of acute bronchitis?

- 1 chest tightness
- 2 purulent sputum
- 3 wheeziness



Q63 Symptoms of tinea pedis include:

- 1 itchiness
- 2 location mostly in interdigital space
- 3 white, macerated skin



Q64 Interferon beta:

- 1 can be administered orally and parenterally
- 2 may cause myalgia and fever
- 3 is used in multiple sclerosis



Q65 Tamoxifen:

- 1 is an oestrogen receptor agonist
- 2 presents a risk of endometrial cancer
- 3 is used in breast cancer in post-menopausal women with metastatic disease



Q66 Bromocriptine should be used with caution in:

- 1 renal impairment
- 2 schizophrenia
- 3 pregnancy



Q67 Which of the following cytotoxic drugs can be administered orally?

- 1 capecitabine
- 2 cyclophosphamide
- 3 carboplatin



Q68 Dydrogesterone:

- 1 is a progesterone analogue
- 2 is indicated for endometriosis
- 3 is contraindicated in severe liver impairment



Q69 Which of the products could be used to counteract the vasomotor symptoms associated with menopause?

- 1 Premarin
- 2 Livial
- 3 Logynon



Q70 Side-effects associated with testosterone include:

- 1 headache
- 2 hirsutism
- 3 gynaecomastia



Q71 Levofloxacin:

- 1 has greater activity against pneumococci than ciprofloxacin
- 2 should be used with caution in patients with a history of epilepsy
- 3 may cause tremor and tachycardia



Q72 A patient presents at the pharmacy with a lesion, which appears to be a hard plaque with a central black area, on the underside of the foot:

- 1 patient should be referred immediately
- 2 patient should be asked about medical history of diabetes
- 3 products containing salicylic acid can be recommended



Q73 Lichen planus:

- 1 may involve gingival tissue
- 2 treatment may involve corticosteroids
- 3 pruritus occurs in most cases



Q74 Chickenpox:

- 1 is caused by herpes simplex
- 2 could be contracted from contact with a patient with shingles
- 3 promethazine could be used



Q75 Terbinafine:

- 1 is the drug of choice in onychomycosis
- 2 could cause photosensitivity
- 3 treatment should not exceed 2 weeks



Q76 For anti-lice lotions:

- 1 alcoholic formulations are more effective
- 2 alcoholic formulations should be avoided in asthmatic patients
- 3 routine use is recommended as a prophylaxis



Q77 Rosiglitazone:

- 1 is a biguanide
- 2 should not be used with gliclazide
- 3 should be used with caution in patients with cardiovascular disease



Q78 Compared with soluble insulin, insulin aspart:

- 1 has a faster onset of action
- 2 results in a higher fasting blood-glucose concentration
- 3 is associated with a lower frequency of hypoglycaemia



Q79 Fluconazole:

- 1 may be used in vaginal candidiasis
- 2 is a triazole antifungal
- 3 when administered concomitantly with glibenclamide results in a lower plasma concentration of glibenclamide



Q80 Which of the following statements about cradle cap is (are) true?

- 1 it is a form of seborrhoeic dermatitis
- 2 baby oil could be used to relieve the condition
- 3 it is contagious



Q81 Examples of non-steroidal anti-inflammatory products include:

- 1 Oruvail
- 2 Feldene
- 3 Nootropil



Q82 For which of the following infections is antibacterial treatment NOT usually recommended:

- 1 typhoid fever
- 2 impetigo
- 3 gastroenteritis



Q83 The following is (are) effective in the management of nappy rash:

- 1 zinc and castor oil ointment
- 2 Anthisan cream
- 3 Eurax cream

Questions 84–88

Directions: The following questions consist of a first statement followed by a second statement. Decide whether the first statement is true or false. Decide whether the second statement is true or false. Then choose:

- A if both statements are true and the second statement is a **correct explanation** of the first statement
- B if both statements are true but the second statement **is NOT a correct explanation** of the first statement
- C if the first statement is true but the second statement is false
- D if the first statement is false but the second statement is true
- E if both statements are false




Directions summarised			
	First statement	Second statement	
A	True	True	Second statement is a <i>correct explanation</i> of the first
B	True	True	Second statement is <i>NOT a correct explanation</i> of the first
C	True	False	
D	False	True	
E	False	False	



Q84 Paclitaxel is a cytotoxic antibiotic. Paclitaxel is used in primary ovarian cancer.



Q85 The combination of antibacterial agents in co-trimoxazole presents a synergistic activity. Co-trimoxazole is associated with rare but serious side-effects.

-  **Q86** Pethidine is a less potent analgesic than morphine. Pethidine is not suitable for severe, continuous pain.
-  **Q87** All tetracyclines are effective against *Neisseria meningitidis*. Tetracyclines are used in acne.
-  **Q88** Zafirlukast is a leukotriene-receptor antagonist. Zafirlukast is used in the treatment of an acute severe asthma attack.

Questions 89–100


Directions: These questions involve cases. Read the prescription or case and answer the questions.

Questions 89–90: Use the prescription below:

Patient's name

Xenical capsules
1 caps b.d. p.c. m. 30

Doctor's signature

-  **Q89** In which condition is the product used?
 - A anorexia
 - B asthenia
 - C obesity
 - D bulimia
 - E cholestasis



Q90 Xenical

- 1 is a pancreatic lipase inhibitor
- 2 may cause faecal urgency
- 3 may be administered twice daily

- A 1, 2, 3
- B 1, 2 only
- C 2, 3 only
- D 1 only
- E 3 only

Questions 91–94: Use the prescription below:

<p>Patient's name</p> <p>Daktacort cream b.d. for 1 week m. 1 tube</p> <p>Doctor's signature</p>
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Q91 The active ingredient(s) of Daktacort is (are):

- A econazole
- B hydrocortisone
- C econazole, hydrocortisone
- D miconazole, hydrocortisone
- E miconazole



Q92 Daktacort

- 1 is rarely associated with side-effects
 - 2 should be discarded 5 days after opening
 - 3 is also available as powder
- A 1, 2, 3
 - B 1, 2 only
 - C 2, 3 only
 - D 1 only
 - E 3 only



Q93 Daktacort is prescribed when the patient has:

- A fungal infection
- B dry skin
- C bacterial infection
- D acne
- E psoriasis



Q94 The pharmacist should advise the patient to apply Daktacort

- 1 sparingly
 - 2 three times daily
 - 3 for 6 months
- A 1, 2, 3
 - B 1, 2 only
 - C 2, 3 only
 - D 1 only
 - E 3 only

Questions 95–100: Use the patient profile below:

<i>Patient medication profile</i>	
Patient's name
Age	42 years
Allergies	none
Diagnosis	peptic ulcer disease, hypertension
Prescribed medication	amoxicillin 1 g b.d. omeprazole 20 mg b.d. clarithromycin 500 mg b.d.



Q95 The duration of treatment which has been prescribed is usually:

- A 7 days
- B 3 days
- C 30 days
- D 5 days
- E 10 days



Q96 The pharmacist should advise the patient against the use of:

- 1 Irfen
 - 2 Clarityn
 - 3 Rennie
- A 1, 2, 3
 - B 1, 2 only
 - C 2, 3 only
 - D 1 only
 - E 3 only



Q97 Adverse effects that could be experienced by the patient include:

- 1 diarrhoea
- 2 headache
- 3 dry mouth

- A 1, 2, 3
- B 1, 2 only
- C 2, 3 only
- D 1 only
- E 3 only



Q98 Which is the preferred proprietary product that could be dispensed for clarithromycin?

- A Klaricid
- B Miocamen
- C Zithromax
- D Erythroped
- E Rulid



Q99 Losec MUPS:

- 1 contains omeprazole
- 2 could be dispersed in water or fruit juice
- 3 could be chewed

- A 1, 2, 3
- B 1, 2 only
- C 2, 3 only
- D 1 only
- E 3 only



Q100 Prior to prescribing this treatment, which conditions should be excluded?

- 1 breast-feeding
- 2 gastric carcinoma
- 3 *Helicobacter pylori* infection

- A 1, 2, 3
- B 1, 2 only
- C 2, 3 only
- D 1 only
- E 3 only