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Australian Pharmacy Council Ltd

Intern Written Exam

Sample 1

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Please note that while the sample paper is reviewed frequently, the APC does not guarantee that the answers are accurate once published due to interim changes that may occur in guidelines or legislation.

The Intern Written Examination comprises 75 multiple choice questions and candidates have 2 hours to complete it.

All questions in this sample paper are no longer used in examinations and have been chosen to allow pharmacy interns to gain exposure to the format and layout of questions in the examination. The sample paper illustrates the competency areas assessed in the examination. For additional information on the content areas candidates are encouraged to refer to the [Intern Written Examination Guide](#).

Live or actual Intern Written Examinations delivered contemporaneously will vary from this sample paper.

The Intern Written Examination is delivered by computer. An [online tutorial](#) is available and provides candidates with the opportunity to learn how to navigate through the computer based examination

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Q1

Prochlorperazine is available over the counter as a Pharmacist Only Medicine. It is only approved to be supplied for which ONE of the following symptoms?

- A Nausea associated with gastro-enteritis
- B Nausea associated with migraine
- C Nausea associated with motion sickness
- D Nausea associated with pregnancy

Q2

Which ONE of the following reference text would be considered to have the **MOST** authority when deciding which medications require labelling with a sedation warning?

- A The Australian Medicines Handbook (AMH)
- B The Australian Pharmaceutical Formulary (APF)
- C The Schedule of Pharmaceutical Benefits (PBS)
- D The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Q3

Which ONE of the following statements is **NOT** a purpose where PBS authorities are required for medicines?

- A PBS authorities are required where there is an increased quantity of medicine needed
- B PBS authorities are required where there is an increased number of repeats needed
- C PBS authorities are required where access to the medicine is restricted to certain approved doctors to prescribe
- D PBS authorities are required where concerns exist about effects on patients of varying genetic heritage

Q4

Which ONE of the following statements best describes a Pharmaceutical Benefits (PBS) authority prescription medication?

- A The medication has no PBS restriction on its therapeutic use
- B The medication has a low therapeutic index, which requires close monitoring
- C The medication has a high chance of adverse events, which requires the prescriber to consider carefully the risk benefit ratio for each specific patient
- D The medication has restrictions and requires approval from Department of Human Services or the Department of Veterans Affairs for a specific condition

Q5

Which ONE of the following statements is **CORRECT** regarding the guidelines for pharmacists issuing medical certificates under the Workplace Relations Act 1996?

- A A medical certificate issued by a pharmacist must be accepted as evidence of illness or injury for the purpose of health and welfare benefit entitlements
- B It is recommended that records of the medical certificate be kept for at least 6 months
- C A pharmacist may not issue a medical certificate in relation to an illness or injury outside of their scope of practice
- D It is not necessary to conduct a consultation with the ill or injured person, if the medical certificate is being issued for a carer

Q6

A patient requests that you allow them to see what information is held about them on the dispensary computer.

Which ONE of the following statements is **INCORRECT**?

- A A consumer is not allowed to see dispensary information as this may be misinterpreted by non-health professionals
- B A consumer can demand that information held about them be modified if found to be inaccurate
- C A pharmacist can deny access to information if he/she considers the information may be a threat to the life or health of an individual
- D Access may be denied if information about another patient is contained within the same patient health record

Q7

Which ONE of the following beta-blockers would be **LEAST** likely to cause bronchospasm in an asthmatic patient at normal doses?

- A Carvedilol
- B Labetalol
- C Bisoprolol
- D Propranolol

Q8

What is aminophylline used clinically as?

- A A bronchodilator
- B An enzyme inducer
- C A contractility inhibitor
- D An enzyme inhibitor

Q9

A patient taking a nonselective monoamine oxidase inhibitor (MAOI) should avoid taking which ONE of the following medicines concurrently?

- A Pseudoephedrine
- B Temazepam
- C Aspirin
- D Paracetamol

Q10

A person has a recent soft tissue injury and asks for your advice.

Which of the following should you recommend?

- A Rest, heat, compression and elevation
- B Massage, heat, compression and elevation
- C Massage, ice, compression and elevation
- D Rest, ice, compression and elevation

Q11

The metalwork teacher from the local high school comes into your pharmacy with a student complaining of a red and painful eye. Upon examination you can see a small piece of metal lodged in the surface of his eye.

Which ONE of the following is the **MOST** appropriate action to take?

- A Irrigate the eye under a stream of cool tap water for at least 10 minutes
- B Recommend the use of anti-inflammatory eye drops, with the instruction to visit the doctor if the inflammation persists after 24 hours
- C Lie the student down and tell him to keep still, whilst you remove the metal with a clean pair of forceps
- D Close the eye, cover it with a bandage or sterile pad, tell him to keep his head still and arrange for transport to the nearest hospital

Q12

Which is the **MOST** appropriate dose for an initial six weeks' treatment of methotrexate, when used for the management of rheumatoid arthritis in adults?

- A 5 mg weekly
- B 10 mg weekly
- C 25 mg weekly
- D 25 mg monthly

Q13

A customer who had a kidney transplant 6 months ago is taking ciclosporin to suppress rejection. He has recently acquired a fungal infection under his toenails. His doctor phones to ask your advice on treatment of onychomycosis.

Which ONE of the following is the **MOST** appropriate medication?

- A Fluconazole capsules
- B Terbinafine tablets
- C Griseofulvin tablets
- D Clotrimazole lotion

Q14

Which ONE of the following medications is **MOST** likely to result in a clinically significant interaction with erythromycin?

- A Digoxin
- B Warfarin
- C Enalapril
- D Amitriptyline

Q15

Which ONE of the following is **LEAST** likely to cause QT prolongation?

- A Haloperidol
- B Amiodarone
- C Sotalol
- D Azithromycin

Q16

A 45-year-old male patient, stabilised on warfarin at an International Normalised Ratio (INR) of 2.4, has decided to go on a vegetarian diet.

Which ONE of the following is the **MOST** appropriate advice to give him about his diet?

- A You cannot go on a vegetarian diet whilst on warfarin
- B Eat a consistent amount of leafy green vegetables day to day
- C Take 1 iron tablet a day to maintain iron levels
- D Increase mushroom intake for protein levels

Q17

A vial of insulin currently in use may be stored at up to 25°C without loss of potency for what length of time?

- A 1 hour
- B 1 day
- C 2 weeks
- D 4 weeks

Q18

Which ONE of the following statements is **CORRECT** with regards to using glyceryl trinitrate spray for the first time?

- A Shake before use and discard 3 months after opening; a maximum of 2 sprays under the tongue should be used over 15 minutes
- B Prime before use and spray under the tongue; a maximum of 5 sprays should be used over 15 minutes
- C Prime before use and discard 3 months after opening; a maximum dose of 2 sprays under the tongue should be used over 15 minutes
- D Prime before use and spray under the tongue; a maximum single dose of 2 sprays should be used and if necessary another spray in 5 minutes up to a maximum of 3 sprays

Q19

Which ONE of the following medications is **BEST** taken half an hour before food?

- A Metformin
- B Flucloxacillin
- C Amoxicillin
- D Felodipine

Q20

Following a dose of inhaled salmeterol, when is the peak effect expected?

- A Instantaneously.
- B After 10 minutes
- C After 3 to 4 hours
- D After 12 hours

Q21

A patient requires a 10-day course of a medicine. The dose of medicine is 250 mcg once daily on days 1 to 3 and then 125 mcg once daily on days 4 to 10. The medicine is only available as a 150-mcg dispersible tablet, stable on production for 24 hours.

What is the minimum number of dispersible tablets required for the complete 10-day course?

- A 8
- B 10
- C 13
- D 16

Q22

An 80 kg man is being treated for ventricular fibrillation with lidocaine (lignocaine). The protocol for the lidocaine (lignocaine) infusion (using a 5 mg/mL vial) is:

Bolus 1 mg/kg per minute for 2 minutes
Infusion 4 mg/min for 1 hour then 3 mg/min for 1 hour then 2mg/min for 10 hours

What volume of lidocaine (lignocaine) is required for the initial bolus and the first hour of the infusion?

- A 44 mL
- B 60 mL
- C 64 mL
- D 80 mL

Q23

Calculate the total dose of alteplase administered for a 50 kg female based on the following dose regimen:

Bolus 15 mg
Infusion 0.75 mg/kg over 30 minutes then 0.5 mg/kg over 60 minutes

- A 16.25 mg
- B 62.5 mg
- C 52.5 mg
- D 77.5 mg

Q24

Which ONE of the following statements about ginger is **LEAST** appropriate?

- A Ginger has been used as an antiemetic adjunct to cancer therapy
- B Ginger has traditionally been used for colic
- C Ginger has no known drug interactions
- D Ginger can cause side effects including heartburn, bloating and flatulence

Q25

When counselling on the use of a topical azoles antifungal cream, you would advise all of the following **EXCEPT**:

- A Fungal infections will be eradicated after 5-7 days
- B It may not be necessary to use the entire tube
- C Apply at regular intervals every day
- D Keep area dry and open to the air

Q26

What is the recommended dose for the treatment of folate deficiency in an adult?

- A 0.1 mg daily
- B 0.5 mg daily
- C 1 mg daily
- D 5 mg daily

Q27

When doxycycline is prescribed to travellers for malaria prophylaxis.

Which ONE of the following statements regarding doxycycline is **LEAST** appropriate?

- A Offers broad protection against malaria
- B Used in areas where there is mefloquine or chloroquine resistance
- C Used in patients with low tolerance for mefloquine or chloroquine
- D Used because dosing can be stopped on leaving an endemic area

Q28

Which ONE of the following beta-blockers has the strongest clinical evidence for reduction of both morbidity and mortality in patients with left ventricular systolic heart failure?

- A Atenolol
- B Propranolol
- C Carvedilol
- D Sotalol

Q29

A regular female customer tells you that she feels a migraine is starting. She asks if her usual treatment is safe for her to use given that she is 8 months pregnant. She has previously used soluble aspirin and metoclopramide which has been effective.

What is the **MOST** appropriate safe advice to treat her migraine?

- A Aspirin and metoclopramide are safe to use throughout pregnancy
- B Aspirin should be ceased, as it is not recommended in late pregnancy - the metoclopramide alone should be effective
- C Aspirin and metoclopramide should be substituted with ibuprofen 2 x 200 mg 3 times a day
- D Aspirin can be substituted with 2 x 500 mg paracetamol, taken with the metoclopramide

Q30

Which ONE of the following therapies is **NOT** appropriate for an 80-year-old woman who presents with post herpetic neuralgia?

- A Gabapentin 300 mg daily, titrated as tolerated
- B Capsaicin topical application
- C Transcutaneous electrical nerve stimulation (TENS)
- D Citalopram 20 mg daily to a maximum of 40-60 mg

Q31

Which ONE of the following conditions is **LEAST** likely to be the primary cause of elevated serum creatinine?

- A Diabetic nephropathy
- B Rhabdomyolysis
- C Renal failure
- D Dehydration

Q32

Which ONE of the following is the **MOST** appropriate anti-platelet treatment following the insertion of a stent?

- A Aspirin plus dabigatran
- B Dabigatran
- C Clopidogrel
- D Clopidogrel plus aspirin

Q33

Which ONE of the following oral benzodiazepines has the shortest duration of action?

- A Lorazepam
- B Diazepam
- C Midazolam
- D Alprazolam

Q34

Which ONE of the following electrolytes can be affected by high dose inhaled salbutamol?

- A Sodium
- B Potassium
- C Bicarbonate
- D Magnesium

Q35

Which ONE of the following combinations of medications is **LEAST** likely to cause serotonin syndrome?

- A Fluoxetine and dextromethorphan
- B Fluoxetine and lithium
- C Dextromethorphan and phenelzine
- D Dextromethorphan and codeine

Q36

A female patient age 63, taking thyroxine 100 microgram tablets daily, has recently been diagnosed with an arrhythmia. She presents with a prescription for amiodarone 200 mg daily. Which ONE of these clinical tests would be the **MOST** appropriate follow up?

- A Creatinine clearance after 2 weeks
- B Monitor thyroid function every 6 months
- C Bone mineral density after 6 months
- D Full blood examination after 1 week

Q37

All of the following substances cause hypokalemia **EXCEPT**:

- A Loop diuretic
- B Salbutamol
- C Beta-blockers
- D Intravenous amphotericin

Q38

Which ONE of the following side effects might you expect in a patient on atorvastatin?

- A Dizziness
- B Hypotension
- C Hair loss
- D Tachycardia

Patient Profile

Patient Name **Audrey Jones**

Address **Wallaby Aged Care Facility**

Age **80**

Sex **Female**

Allergies **Dried fruit**

Height **160 cm**

Weight **64 kg**

DIAGNOSIS

Presenting Complaint:

1. Severe epigastric pain
2. Persistent and unresolved nausea

Medical History:

1. Severe dementia (worsening)
 2. Transient ischaemic attacks
 3. Depression
 4. Falls / fractures
 5. Osteoporosis
-

LAB / DIAGNOSTIC TESTS

<u>Date</u>	<u>Test</u>	<u>Reference Range</u>
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MEDICATION RECORD

<u>Date</u>	<u>Medication</u>	<u>Quantity</u>	<u>Directions for use</u>
3/7	Aspirin 300 mg	100	0.5 mornings
3/7	Calcitriol 0.25 microgram	100	Take ONE twice a day
3/7	Calcium carbonate 600 mg	60	Take ONE twice a day
3/7	Galantamine 16 mg	28	Take ONE daily
3/7	Metoclopramide 10 mg	25	Take ONE three times a day as needed
3/7	Pantoprazole 40 mg	30	Take ONE daily
3/7	Paracetamol 500 mg	200	Take TWO mornings

PHARMACIST NOTES

<u>Date</u>	<u>Comment</u>
3/7	Medications are current and ongoing.
3/7	Recommended doctor review patient's medicines in light of her exacerbation of epigastric pain and nausea.

Q39

Which ONE of the following treatment options would be the **MOST** appropriate to relieve Audrey's nausea/vomiting?

- A Change metoclopramide dosage to 1 three times a day regularly
- B Add ondansetron 8 mg twice a day
- C Trial discontinuation of galantamine
- D Increase pantoprazole dosage to 40 mg twice a day

Q40

Which ONE of the following tests may be considered to investigate her continuing gastric discomfort?

- A Colonoscopy
- B B12/Folate
- C Urea breath test
- D Bronchoscopy

Q41

Which ONE of the following medications is **LEAST** suitable to manage Audrey's depression?

- A Sertraline
- B Mirtazapine
- C Doxepin
- D Moclobemide

Q42

Which ONE of the following medicines is **LEAST** likely to be contributing to Audrey's nausea/vomiting?

- A Galantamine
- B Calcitriol
- C Aspirin
- D Calcium carbonate

END OF PATIENT PROFILE

APC Intern Written Exam Sample

Patient Profile

Patient Name **Cassandra Green**
Address **86 North Terrace, Croydon**
Age **21**
Sex **Female**
Allergies **Penicillin (anaphylaxis 10 years ago)**

Height **170 cm**
Weight **75 kg**

DIAGNOSIS

Presenting Complaint: 1. Pregnant with second child (38 weeks gestation)

Medical History: 1. Recurrent mastitis with previous child
2. Chronic depression

LAB / DIAGNOSTIC TESTS

<u>Date</u>	<u>Test</u>	<u>Reference Range</u>
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MEDICATION RECORD

<u>Date</u>	<u>Medication</u>	<u>Quantity</u>	<u>Directions for use</u>
1/09	Paroxetine 20 mg	30	Take ONE daily

PHARMACIST NOTES

<u>Date</u>	<u>Comment</u>
Nil	Nil

Q43

What is the **LEAST** appropriate SSRI for the management of depression during pregnancy?

- A Citalopram
- B Paroxetine
- C Sertraline
- D Fluoxetine

Q44

Due to antidepressant use during pregnancy, there is potential for the onset of SSRI withdrawal effects in the newborn.

Which ONE of the following is **LEAST** likely to occur?

- A Drowsiness
- B Tremor
- C Hyperreflexia
- D Difficulty feeding

Q45

Due to complications of mastitis with her previous child, Cassandra decides not to breastfeed this new baby.

Which ONE of the following is the **MOST** appropriate for the suppression of lactation?

- A Metoclopramide
- B Domperidone
- C Bromocriptine
- D Cabergoline

Q46

If Cassandra did develop mastitis, which is the **MOST** appropriate antibiotic for treatment?

- A Flucloxacillin
- B Clindamycin
- C Ciprofloxacin
- D Erythromycin

END OF PATIENT PROFILE

APC Intern Written Exam Sample

Patient Profile

Patient Name **Dane Christiansen**

Address **85 Holloway Cres, South Port, QLD 4036**

Age **63**

Sex **Male**

Allergies **Nil known**

Height **180 cm**

Weight **70 kg**

DIAGNOSIS

Presenting Complaint: 1. Hyperglycaemia

Medical History:

LAB / DIAGNOSTIC TESTS

<u>Date</u>	<u>Test</u>	<u>Reference Range</u>
11/5	Blood glucose 9.0 millimol/L	(3-8 millimol/L)
11/5	Serum creatinine 0.17 millimol/L	(0.05-0.12 millimol/L)
11/5	Urate 0.58 millimol/L	(0.2-0.45 millimol/L)

MEDICATION RECORD

<u>Date</u>	<u>Medication</u>	<u>Quantity</u>	<u>Directions for use</u>
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PHARMACIST NOTES

<u>Date</u>	<u>Comment</u>
Nil	Nil

Q47

Dane has never had an attack of gout, but his urate level is elevated.

Which ONE of the following is the **MOST** appropriate action to take?

- A Allopurinol to be started at a dose of 100 mg daily
- B Colchicine to be started at a dose of 0.5 microgram twice a day
- C Probenecid be started at a dose of 500 mg twice a day
- D No treatment needs to be initiated

Q48

If Dane was started on metformin, which ONE of the following statements is **CORRECT** in regard to this medication?

Metformin:

- A can be used in patients with severe renal impairment with careful monitoring
- B can be used in renal impairment but not below a CrCl of 60mL/minute
- C can be used and its dose is not dictated by the state of the renal function
- D can cause renal impairment and it should be ceased until renal impairment has resolved

Q49

Dane has a number of risk factors for cardiovascular disease.

Which ONE of the following would be an additional risk factor?

- A Low homocysteine level
- B An elevated serum albumin
- C Hypertension
- D Poor renal function

Q50

Which ONE of the following is the **BEST** indicator of Dane's ongoing blood glucose control?

- A Random blood glucose levels
- B 3 monthly HbA1C levels
- C Weekly fasting blood glucose levels
- D Regular serum creatinine measurements

END OF PATIENT PROFILE

APC Intern Written Exam Sample

Patient Profile

Patient Name **Jane Smyth**
Address **32 Smith Street, Ginninderra**
Age **18**
Sex **Female**
Allergies **Nil known**

Height **167 cm**
Weight **60 kg**

DIAGNOSIS

Presenting Complaint: 1. Worsening acne

Medical History:

1. Cystic acne
2. Failed treatment with doxycycline
3. Failed treatment with cyproterone/ethinylestradiol

LAB / DIAGNOSTIC TESTS

<u>Date</u>	<u>Test</u>	<u>Reference Range</u>
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MEDICATION RECORD

<u>Date</u>	<u>Medication</u>	<u>Quantity</u>	<u>Directions for use</u>
20/12	Isotretinoin 10 mg	60	Take ONE mornings, TWO nights
20/12	Ethinylestradiol/levonorgesterol	112	Take ONE daily
20/12	Doxycycline 100 mg	21	Take ONE daily
20/12	Vitamin B complex tablets	90	Take ONE daily

PHARMACIST NOTES

<u>Date</u>	<u>Comment</u>
20/02	Jane is distressed because her is acne not improving Jane wants to try benzoyl peroxide cream in addition to isotretinoin Jane discloses she regularly fails to the take the evening dose of isotretinoin

Q51

What is the **MOST** appropriate advice to give Jane about benzoyl peroxide cream?

- A It is not appropriate to use benzoyl peroxide cream when taking isotretinoin
- B Exposure to more sunlight would be a better choice than benzoyl peroxide
- C She would be better to add in an abrasive exfoliative treatment with the isotretinoin
- D She would be better to use a product containing salicylic acid rather than benzoyl peroxide

Q52

Which **ONE** of the following statements is the **MOST** appropriate with regard to improving Jane's compliance with isotretinoin therapy?

- A Don't worry about the missed doses because the medicine is so potent
- B Recommend a once daily dosage regimen in the morning
- C Recommend she takes 3 capsules the morning following the missed dose
- D Recommend she take 2 capsules in the morning and 1 at night

Q53

Which **ONE** of the following adverse events is the **MOST** common during isotretinoin therapy?

- A Gastrointestinal upset including diarrhoea
- B Dry lips, skin, and mucous membranes
- C Aggressive behaviour
- D Convulsions

END OF PATIENT PROFILE

Patient Profile

Patient Name **Judith Bannis**

Address **Room number 15**

Age **46**

Sex **Female**

Allergies **Nil known**

Height **170 cm**

Weight **63 kg**

DIAGNOSIS

Presenting Complaint:

1. Advanced breast cancer
2. Bone metastases

Medical History:

LAB / DIAGNOSTIC TESTS

<u>Date</u>	<u>Test</u>	<u>Reference Range</u>
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MEDICATION RECORD

<u>Date</u>	<u>Medication</u>	<u>Quantity</u>	<u>Directions for use</u>
30/09	Ondansetron 8 mg	iv	Take ONE every 8 hours for 3 days
17/09	Dexamethasone 20 mg	oral	Stat
01/09	Doxorubicin 75 mg / m ²	iv	Every 3 weeks

PHARMACIST NOTES

<u>Date</u>	<u>Comment</u>
	Nil

Q54

Judith presents with cardiac failure characterised by shortness of breath and peripheral oedema.

The doxorubicin dose of 75 mg/m² should be:

- A ceased
- B unchanged, as the cardiac failure is unrelated
- C changed to a 6-weekly cycle and reduced to 35 mg
- D changed to daunorubicin 75 mg/m²

Q55

The **MOST** likely indication for dexamethasone in Judith's medication profile is as what type of agent?

- A Analgesic
- B Anti-emetic
- C Anti-cancer
- D Immunosuppressant

Q56

Which ONE of the following statements about ondansetron is **INCORRECT**?

- A It acts by central and peripheral 5HT₃ receptor blockade
- B The dose needs to be reduced in severe renal impairment
- C It is more effective for acute, rather than delayed, adverse effects of cancer therapy
- D It decreases the analgesic effect of tramadol

END OF PATIENT PROFILE

Patient Profile

Patient Name **Phillip Derwent**
Address **5 Marigold Road, Katoomba**
Age **63**
Sex **Male**
Allergies **Nil known**

Height **180 cm**
Weight **80 kg**

DIAGNOSIS

Presenting Complaint: 1. Nausea

Medical History:

1. Parkinson's disease
2. Gastroesophageal reflux
3. Gout
4. Insomnia

LAB / DIAGNOSTIC TESTS

<u>Date</u>	<u>Test</u>	<u>Reference Range</u>
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MEDICATION RECORD

<u>Date</u>	<u>Medication</u>	<u>Quantity</u>	<u>Directions for use</u>
05/11	Levodopa / Carbidopa 200 mg/50 mg	100	Take ONE three times a day
05/11	Levodopa / Carbidopa 250 mg/25 mg	100	Take ONE mornings
05/11	Bromocriptine 5 mg	60	Take ONE three times a day
05/11	Omeprazole 20 mg	30	Take ONE mornings
05/11	Allopurinol 300 mg	30	Take ONE mornings
05/11	Diazepam 5 mg	50	Take ONE nights

PHARMACIST'S NOTES

<u>Date</u>	<u>Comment</u>
	Nil

Q57

Which ONE of the following is **NOT** a sign of worsening Parkinson's disease?

- A Dysphagia
- B Dyskinesia
- C Myopia
- D Dystonia

Q58

Phillip is complaining of vomiting and nausea.

Which of the following is **MOST** likely to be prescribed?

- A Domperidone
- B Prochlorperazine
- C Metoclopramide
- D Ondansetron

Q59

When converting a patient from standard levodopa/carbidopa formulations to controlled release formulations, which of the following is **INCORRECT**?

- A Current therapy should be continued for the first two days
- B Sustained release preparations have lower oral bioavailability
- C The total daily dose of levodopa usually has to be increased
- D The frequency of dosing with the controlled release formulations is every 8 to 12 hours

END OF PATIENT PROFILE

Patient Profile

Patient Name **Ralph Minter**

Address **12 Nemesia Close, Tea Gardens**

Age **64**

Sex **Male**

Allergies **Nil known**

Height **175 cm**

Weight **72 kg**

DIAGNOSIS

Presenting Complaint: 1. Angina

Medical History: 1. Depression
2. Hypercholesterolaemia

LAB / DIAGNOSTIC TESTS

<u>Date</u>	<u>Test</u>	<u>Reference Range</u>
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MEDICATION RECORD

<u>Date</u>	<u>Medication</u>	<u>Quantity</u>	<u>Directions for use</u>
14/11	Glyceryl trinitrate 600 microgram	100	Take as needed
14/11	Amlodipine 5 mg	30	Take ONE mornings
30/10	Simvastatin 20 mg	30	Take ONE mornings
28/10	Fluoxetine 20 mg	28	Take ONE mornings
03/10	Aspirin 100 mg	112	Take ONE mornings

PHARMACIT'S NOTES

<u>Date</u>	<u>Comment</u>
03/10	Ralph has indicated he is experiencing nocturnal chest pain.

Q60

Ralph presents to you with a prescription for glyceryl trinitrate patches 10 mg/24hr.

What is the **MOST** appropriate regimen for Ralph for the use and application of glyceryl trinitrate patches?

- A Mane and leave on 24 hours
- B Mane and take off at 10 pm
- C Only when pain is experienced and leave on for 2 days
- D In the late afternoon and remove in the morning

Q61

In an acute angina attack, which ONE of the following is the **MOST** appropriate way to use glyceryl trinitrate sublingual tablets?

- A Dissolve 1 tablet under the tongue and wait 5 minutes. Call an ambulance if pain persists
- B Dissolve 1/2 to 1 tablet under the tongue and repeat if pain persists. Call an ambulance if 2 repeats over 10 minutes do not relieve pain
- C Dissolve 1/2 to 1 tablet under the tongue. Call an ambulance if pain is not relieved after 15 minutes
- D Dissolve 1 tablet under the tongue and repeat every 3 minutes if pain persists. Call an ambulance if 4 repeats over 15 minutes do not relieve pain

Q62

Following the initiation of therapy with fluoxetine in this patient, the maximal anti-depressant effects is **MOST** likely achieved after:

- A 1 week
- B 10 days
- C 4 weeks
- D 12 weeks

Q63

Along with swelling of the ankles, which ONE of the following side effects is **MOST** commonly observed with amlodipine?

- A Cough
- B Sedative medications
- C Chest pain
- D Dizziness

END OF PATIENT PROFILE

APC Intern Written Exam Sample

Patient Profile

Patient Name **Thomas Bean**
Address **32 Hickory Drive, Melamine**
Age **3 years, 2 months**
Sex **Male**
Allergies **Rash**

Height **120 cm**
Weight **14 kg**

DIAGNOSIS

Presenting Complaint: 1. Pain and fever

Medical History: 1. Otitis media

LAB / DIAGNOSTIC TESTS

<u>Date</u>	<u>Test</u>	<u>Reference Range</u>
17/3	Temperature 38°C	36.8°C plus / minus 0.4 degree

MEDICATION RECORD

<u>Date</u>	<u>Medication</u>	<u>Quantity</u>	<u>Directions for use</u>
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PHARMACIST'S NOTES

<u>Date</u>	<u>Comment</u>
10/11	Thomas has been experiencing localised pain in the ear for 2 days, which has not resolved with regular paracetamol use.

Q64

If Thomas' mother is using paracetamol 100 mg/mL, what directions are **MOST** appropriate for Thomas?

- A 1.4 mL 4 hourly, maximum 5 doses in 24 hours
- B 2.1 mL 4-6 hourly, maximum 4 doses in 24 hours
- C 4.2 mL 4-6 hourly, maximum 4 doses in 24 hours
- D 1.2 mL 4-6 hourly, maximum 4 doses in 24 hours

Q65

After 5 days of treatment, Thomas develops severe diarrhoea with the antibiotics that he is using.

Which ONE of the following is the **MOST** appropriate treatment?

- A Cease the antibiotics and encourage fluids
- B Cease antibiotic and use loperamide 2 mg stat and after each loose bowel motion
- C Continue the antibiotics and encourage fluids
- D Continue the antibiotics and use loperamide 2 mg stat and after each loose bowel motion

Q66

Which ONE of the following organisms is **MOST** likely to cause otitis media?

- A *Staphylococcus aureus*
- B *Escherichia coli*
- C *Streptococcus pneumoniae*
- D *Mycoplasma pneumoniae*

END OF PATIENT PROFILE

Q67

Which ONE of the following counselling points is **MOST** appropriate for alendronate?

- A Take in the morning 30 minutes before breakfast and remain upright until breakfast.
- B Take in the morning with breakfast to avoid stomach upset
- C Take at bedtime to avoid possible drowsiness
- D Take one hour after a meal

Q68

A female customer has recently given birth and is breastfeeding her baby. Her doctor has prescribed the progesterone only pill and as she has not used this type of pill before, she has a few questions.

Which ONE of the following counselling points would be **MOST** appropriate for her?

- A The drug is not transferred in the milk to the baby
- B When commencing the pill it is necessary to use an alternative method of contraception for seven days
- C When breastfeeding ceases it will be necessary to change to the combined contraceptive pill
- D It must be taken within 3 hours of the same time each day

Q69

A customer presents with a new script for felodipine 5 mg daily.

Which ONE of the following points should you include in your counselling?

- A A warning regarding consumption patterns of grapefruit juice
- B The tablets may be crushed, if difficult to swallow
- C A warning regarding constipation and the need for a high fibre diet
- D A warning not to take potassium supplements while taking this medication

Q70

Which ONE of the following statements is **CORRECT** with regards to glyceryl trinitrate patches?

- A Useful in the treatment of unstable angina
- B Remove and replace every 24 hours
- C Cut to provide lower doses if necessary
- D Apply for up to 14 hours/day

Q71

Which ONE of the following medications may be taken at night to maximize its concentration in the blood and / or urine?

- A Trimethoprim
- B Atorvastatin
- C Omeprazole
- D Perindopril

Q72

Which of the following statements is **INCORRECT** with regard to omega-3 fatty acids?

- A It is advisable for patients with high triglycerides to increase their intake of omega-3 fats
- B Alpha-linolenic acid (ALA) is a plant-based omega-3 source from walnuts, flaxseed and soya beans
- C Omega-3 fats are considered to be NSAID-sparing agents in the treatment of inflammatory disorders
- D For patients with coronary heart disease, the recommended daily intake of omega-3 fats is the same as the daily dosage for primary prevention

Q73

In the case of the management of vaginal candidiasis by a pharmacist, which ONE of the following does **NOT** warrant referral?

- A Clear vaginal discharge
- B Abdominal pain
- C Fever
- D Diabetes

Q74

Which ONE of the following medications requires the **MOST** caution when treating pregnant women?

- A Vitamin A
- B Vitamin B
- C Vitamin K
- D Vitamin E

Q75

Which ONE of the following anthelmintics is **LEAST** appropriate for treating threadworm in a child under 5 years of age?

- A Ivermectin
- B Albendazole
- C Mebendazole
- D Pyrantel embonate

End of the Examination

Australian Pharmacy Council Ltd

Intern Written Exam

Sample 1: Answers

Question	Correct Answer
1	B
2	D
3	D
4	D
5	C
6	A
7	C
8	A
9	A
10	D
11	D
12	B
13	B
14	B
15	D
16	B
17	D
18	D
19	B
20	C
21	C
22	D
23	D
24	C
25	A
26	D
27	D
28	C
29	D
30	D
31	B
32	D
33	C
34	B
35	D
36	B
37	C
38	A

39	C
40	C
41	C
42	D
43	B
44	A
45	D
46	B
47	D
48	A
49	C
50	B
51	A
52	B
53	B
54	A
55	B
56	B
57	C
58	A
59	A
60	D
61	B
62	D
63	D
64	B
65	A
66	C
67	A
68	D
69	A
70	D
71	A
72	D
73	A
74	A
75	A

APC Intern Written Exam Sample