

KAPS Exam Paper 1 Sample Paper 1

January 2024 | Version 2.0



Table of Contents

Information	2
Sample Questions	3
Answer sheet	30

Information

This is a sample paper of the Knowledge Assessment of Pharmaceutical Sciences (KAPS) Paper 1 exam produced by the Australian Pharmacy Council Ltd (APC) for **practice purposes only**.

The KAPS Paper 1 exam consists of 100 multiple-choice-questions and candidates have 2 hours to complete it.

This sample paper demonstrates questions from all competency areas assessed in the exam. For additional information on the content areas candidates are encouraged to refer to the KAPS exam guide and sample papers.

All questions in this sample paper are no longer used in our current exams and have been chosen to allow candidates to gain exposure to the format and layout of questions in the exam.

Live or actual KAPS Paper 1 exams will vary from this sample paper and are delivered by computer. An <u>online tutorial</u> is available and provides candidates with the opportunity to learn how to navigate through the exam software.

We have also included an answer sheet at the end of the paper.

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 ever changing practice settings, guidelines or legislation.

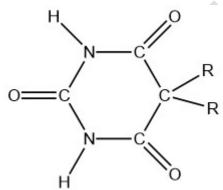
Copyright © Australian Pharmacy Council Ltd.

The content of this document is the property of the Australian Pharmacy Council Ltd and may not be reproduced.



Sample Questions

- 1. Bipolar disorder **CANNOT** be treated using which medication?
 - A. Lithium
 - B. Haloperidol
 - C. Sodium valproate
 - D. Paroxetine
- **2.** Which ONE of the following statements about the structure and function of blood vessels is **CORRECT**?
 - A. Arteries have thinner smooth muscle layers than veins
 - B. Capillary walls have an elastic layer
 - C. The pressure inside a vein is less than in an artery
 - D. Capillaries provide the greatest resistance to blood flow
- 3. The structure below shows the basic formula for barbiturates.



What would this formula be chemically classified as?

- A. Acidic
- B. Amphoteric
- C. Basic
- D. Neutral



- 4. How does metformin act?
 - A. Blocks absorption of glucose in the intestine
 - B. Increases pancreatic insulin secretion
 - C. Decreases hepatic glucose production
 - D. Increases metabolism of ketone precursors
- **5.** Which drug is used to prevent haemorrhagic cystitis in patients receiving cyclophosphamide?
 - A. Methotrexate
 - B. Mercaptopurine
 - C. Dacarbazine
 - D. Mesna
- **6.** Which penicillin is effective in the presence of penicillinase?
 - A. Amoxicillin
 - B. Flucloxacillin
 - C. Phenoxymethylpenicillin
 - D. Ticarcillin
- 7. Which ONE of the following terms describes a person with normal thyroid function?
 - A. Basal
 - B. Euthyroid
 - C. Hypothyroid
 - D. Hyperthyroid



- **8.** Patients are **MOST** likely to develop acute gout when treated with which ONE of the following?
 - A. Colchicine
 - B. Losartan
 - C. Spironolactone
 - D. Furosemide
- **9.** Which of the following agents is a selective dopamine D₂ receptor agonist?
 - A. Bromocriptine
 - B. Promethazine
 - C. Haloperidol
 - D. Chlorpromazine
- 10. What is the pharmacological classification of cyproheptadine?
 - A. Cholinergic agent
 - B. Anti-serotonergic agent
 - C. Prostaglandin synthesis inhibitor
 - D. Histamine agonist
- **11.** What is the normal range for haematocrit levels in a full blood count test for a healthy adult male?
 - A. 26% to 30%
 - B. 31% to 35%
 - C. 36% to 40%
 - D. 41% to 50%



- **12.** Which ONE of the following statements is **TRUE** regarding angiotensin converting enzyme (ACE) inhibitors?
 - A. Inhibit the conversion of angiotensin I to angiotensin II
 - B. Are contraindicated with potassium sparing diuretics
 - C. All have similar half-lives and duration of action
 - D. Commonly cause a dry cough and angioedema
- **13.** Which compound structure enables a drug to be detected by UV analysis?
 - A. Aromatic ring
 - B. Carboxyl group
 - C. Primary amine
 - D. Hydroxyl group
- 14. Which ONE of the following functional groups is LEAST stable?
 - A. Alcohol
 - B. Ketone
 - C. Ester
 - D. Ether
- 15. What is the main impact of effect of simvastatin on the lipid profile?
 - A. Increased HDL cholesterol
 - B. Decreased DHL cholesterol
 - C. Decreased LDL cholesterol
 - D. Increased triglycerides



- **16.** Which structure(s) prevent backflow of blood into the ventricles of the heart?
 - A. Valves in the veins
 - B. Atrio-ventricular valves
 - C. Pericardium
 - D. Aortic and pulmonary valves
- 17. Which condition may result from chronic iodine deficiency during adult life?
 - A. Myxoedema
 - B. Toxic adenoma of the thyroid
 - C. Thyrotoxicosis
 - D. Subclinical hyperthyroidism
- **18.** The structure of hexylresorcinol is shown below.

What happens when this substance is exposed to light and air?

- A. It volatises very readily
- B. It loses water to form the anhydride
- C. It reduces rapidly to form a white insoluble cake
- D. It oxidises



- **19.** What is the pain associated with angina pectoris cause by?
 - A. Spasm of the aorta
 - B. Ventricular tachycardia
 - C. Aortic stenosis
 - D. Myocardial ischaemia
- 20. Where are alpha-1 adrenoreceptors primarily located?
 - A. Arterioles
 - B. Bronchioles
 - C. Atria
 - D. Cardiac ventricles
- **21.** Which compound is an irreversible cholinesterase inhibitor?
 - A. Physostigmine
 - B. Pilocarpine
 - C. Malathion
 - D. Atropine
- 22. Which steroid has a markedly different physiological property to the other three?
 - A. Norethisterone
 - B. Levonorgestrel
 - C. Nandrolone
 - D. Megestrol



- 23. How does mebendazole function when used for the treatment of worm infestations?
 - A. By inhibiting worm metabolism
 - B. By inhibiting word reproduction
 - C. By blocking the absorption of nutrients
 - D. By paralysing the worm, detaching them from the host
- 24. What is the effect of parathyroid hormone?
 - A. Increased mobilisation of calcium from bone
 - B. Decreased renal tubular reabsorption of calcium
 - C. Decreased resorption of phosphate from bone
 - D. Decreased excretion of phosphate
- 25. The following diagram represents the structure of which ONE of the following?

- A. Meta-hydroxybenzoic acid
- B. Para-hydroxybenzoic acid
- C. Levo-hydroxybenzoic acid
- D. Ortho-hydroxybenzoic acid



- **26.** Where does the conjugation of bilirubin mainly occur?
 - A. Erythrocyte
 - B. Intestine
 - C. Liver
 - D. Kidney
- 27. What is the mode of action of warfarin?
 - A. Converts plasminogen to plasmin
 - B. Inhibits synthesis of vitamin K-dependent clotting factors
 - C. Reversible inhibition of free and fibrin-bound thrombin
 - D. Prevents binding of fibrinogen to platelets
- 28. Which ONE of the following statements is CORRECT regarding acne vulgaris?
 - A. Usually results from blocked sweat glands
 - B. Associated with the growth of *Cutibacterium acnes*
 - C. Involves decreased differentiation of epithelial cells
 - D. Caused by estrogen receptor activation
- **29.** Uncomplicated urinary tract infections (UTIs) are **MOST** commonly caused by which organism?
 - A. Staphylococcus saprophyticus
 - B. Campylobacter jejuni
 - C. Giardia lamblia
 - D. Moraxella catarrhali



	30.	What	is pit	yriasis	versico	lorʻ
--	-----	------	--------	---------	---------	------

- A. Acute inflammatory yeast infection characterised by a diffuse rash
- B. Symptomatic fungal infection affecting the beard area in males
- C. Yeast infection characterised by multiple patches varying in colour from white to brown
- D. Viral infection characterised by patches of red and brown colour
- **31.** Activated charcoal is **MOST** useful in managing an overdose with which of the following drugs?
 - A. Lithium
 - B. Potassium
 - C. Alcohol
 - D. Digoxin
- 32. Why is levodopa the drug of choice in the treatment of Parkinson's disease?
 - A. Dopamine does not readily pass the blood-brain barrier
 - B. Tyrosine hydroxylase is a rate-limiting enzyme
 - C. Peripheral nerves are deficient in methylating enzyme
 - D. Levodopa is the precursor to dopamine
- 33. Which ONE of the following drugs is predominantly excreted unchanged?
 - A. Fluoxetine
 - B. Phenytoin
 - C. Codeine
 - D. Enalapril



- **34.** Organophosphate poisoning must be treated by urgent administration of which drug?
 - A. Epinephrine (adrenaline)
 - B. Atropine
 - C. Promethazine
 - D. Physostigmine
- 35. How does sumatriptan exert its clinical effect?
 - A. Antagonise the actions of serotonin
 - B. Mimic the actions of serotonin
 - C. Block the effects of dopamine
 - D. Inhibit prostaglandin synthesis
- 36. When should doses of clomifene be taken for the treatment of infertility?
 - A. Days 0-5 of the menstrual cycle
 - B. Days 5-9 of the menstrual cycle
 - C. Days 10-14 of the menstrual cycle
 - D. Days 20-24 of the menstrual cycle
- 37. What is the daily recommended calcium intake for post-menopausal women?
 - A. 300 600 mg
 - B. 700 900 mg
 - C. 1000 1500 mg
 - D. 1600 2000 mg



- **38.** Which ONE of the following is a "pure opioid antagonist"?
 - A. Flumazenil
 - B. Hydromorphone
 - C. Naloxone
 - D. Buprenorphine
- 39. What are anthracyclines used to treat?
 - A. Anaemia
 - B. Polycythaemia
 - C. Vasculitis
 - D. Leukemia
- 40. Estradiol is secreted from which part of the endocrine system?
 - A. Hypothalamus
 - B. Ovarian follicle
 - C. Adrenal cortex
 - D. Anterior pituitary
- 41. Gemfibrozil is used to treat which condition?
 - A. Hyperlipidaemia
 - B. Hyperglycaemia
 - C. Hyperaldosteronism
 - D. Hypertension



- **42.** How do beta-adrenergic receptor agonists exert an inotropic effect on the myocardium?
 - A. Increasing conversion of glycogen to glucose
 - B. Activating lipases
 - C. Decreasing phosphodiesterase levels
 - D. Increasing intracellular calcium levels
- 43. Rickets develops from a deficiency of which ONE of the following?
 - A. Vitamin A
 - B. Vitamin B6
 - C. Vitamin C
 - D. Vitamin D
- **44.** Which group of symptoms is **MOST** often associated with a patient who has signs of left-sided heart failure?
 - A. Jugular venous distension, shortness of breath
 - B. Hepatojugular reflux, abdominal distension
 - C. Paroxysmal nocturnal dyspnoea, hepatojugular reflux
 - D. Shortness of breath, paroxysmal nocturnal dyspnoea
- 45. What may systemic administration of atropine cause?
 - A. Constriction of the pupil
 - B. Increased gastric motility
 - C. Micturition
 - D. Increased heart rate



- **46.** Quetiapine does **NOT** have significant antagonist activity at which receptor?
 - A. Dopamine
 - B. Muscarinic acetylcholine
 - C. Histamine
 - D. Serotonin
- **47.** Which condition is characterised by excess secretion of thyroid hormone?
 - A. Addison's disease
 - B. Hashimoto thyroiditis
 - C. Grave's disease
 - D. Wilson's disease
- 48. What is the mode of action by which timolol eye drops reduce intraocular pressure?
 - A. Reduce aqueous humour production
 - B. Increase outflow of aqueous humour
 - C. Constriction of the pupil
 - D. Secondary to the effect to reduce blood pressure
- **49.** Tinnitus, headaches, nausea and sweating are symptoms or which ONE of the following adverse effects?
 - A. Aspirin hypersensitivity
 - B. Paracetamol toxicity
 - C. Salicylate toxicity
 - D. Paracetamol hypersensitivity



- **50.** When instilled in the eye, which drug causes the pupil to contract and the eye to focus for near vision?
 - A. Atropine
 - B. Timolol
 - C. Pilocarpine
 - D. Cyclopentolate
- 51. What is the primary pharmacological effect of isoprenaline?
 - A. Blocks alpha adrenoceptors
 - B. Stimulates beta adrenoceptors
 - C. Releases noradrenaline from noradrenergic nerves
 - D. Block dopaminergic receptor
- **52.** A throat infection has spread to the eustachian tube.

Which structure would the infection MOST likely spread to next?

- A. Auditory nerve
- B. Inner ear
- C. Middle ear
- D. External auditory canal
- **53.** How are the effects of doxycycline with therapeutically administered estrogens **BEST** described?
 - A. Interfering with enterohepatic circulation of estrogens
 - B. Impairing plasma protein binding of estrogens
 - C. Increasing renal excretion of estrogens
 - D. Blocking estrogens from binding at receptors



- **54.** Furosemide increases the production of urine by increasing which ONE of the following?
 - A. Filtration pressure
 - B. Renal plasma flow
 - C. Urinary pH
 - D. Sodium excretion
- **55.** Which ONE of the following is **NOT** a central neurotransmitter?
 - A. Serotonin
 - B. Noradrenaline
 - C. Dopamine
 - D. Cyclic adenosine phosphate
- **56.** Which ONE of the following is **NOT** part of the mechanism by which glucocorticoids exert anti-inflammatory effects?
 - A. Decreased secretion of proteolytic enzymes
 - B. Reduction in the release of cytokines, such as IL-1 and IL-2
 - C. Decreased number of circulating neutrophils
 - D. Impairment of prostaglandin and leukotriene synthesis
- **57.** Which ONE of the following is **NOT** an alkylating agent?
 - A. Chlorambucil
 - B. Cyclophosphamide
 - C. Melphalan
 - D. Cytarabine



- **58.** Gelatine is primarily composed of which ONE of the following?
 - A. Carbohydrate
 - B. Protein
 - C. Lipid
 - D. Glycolipid
- 59. Why are corticosteroids effective in the treatment of acute asthma?
 - A. They cause acute bronchodilation
 - B. They reduce the inflammatory response
 - C. They suppress precipitating infections
 - D. They prevent mediator release from mast cells
- **60.** What is the purpose of sodium metabisulphite when used in epinephrine (adrenaline) injections?
 - A. Suspending agent
 - B. Fungicide
 - C. Antioxidant
 - D. Bactericide
- **61.** Why is epinephrine (adrenaline) formulated with some local anaesthetic solutions for injection?
 - A. Decrease the local action of the anaesthetic
 - B. Reduce local blood flow
 - C. Increase the amount of local anaesthetic to administer
 - D. Block nerve fibres by depolarising the membrane



- **62.** How is biotransformation of phenobarbital in the liver catalysed?
 - A. By the oxidative phosphorylation complex
 - B. By the microsomal mixed function oxidases
 - C. In the hexose monophosphate shunt
 - D. In the gluconeogenic pathway
- 63. Which ONE of the following is a cationic surfactant?
 - A. Sodium lauryl sulphate
 - B. Cetrimide
 - C. Sodium stearate
 - D. Thioethanolamine stearate
- **64.** Which of the following statements about the use of beta-blockers for the treatment of congestive heart failure is **INCORRECT**?
 - A. May cause bradycardia
 - B. Prevent ventricular remodelling
 - C. Can increase injection fraction
 - D. Increase AV nodal conduction



65. What are these two compounds with the following formulae BEST described as?

$$CH_3$$
 H
 OH
 OH

$$CH_3$$
 H
 OH
 OH

- A. Diastereomer
- B. Optical enantiomorphs
- C. Conformational isomers
- D. Cis-trans isomers
- **66.** Which ONE of the following is **NOT** a side effect of amitriptyline?
 - A. Blurred vision
 - B. Diarrhoea
 - C. Dry mouth
 - D. Urinary retention



- **67.** Propranolol is **NOT** used to manage which condition?
 - A. Oesophageal varices
 - B. Angina pectoris
 - C. Parkinson's disease
 - D. Migraine
- **68.** The composition of sweat is altered in which disease state?
 - A. Hypothyroidism
 - B. Glomerulonephritis
 - C. Diabetes insipidus
 - D. Cystic fibrosis
- **69.** Which ONE of the following is a major determinant of myocardial oxygen demand?
 - A. Systolic blood pressure
 - B. Diastolic blood pressure
 - C. Cardiac output
 - D. Blood volume
- 70. Stevens-Johnson Syndrome is MOST likely to be caused by which drug?
 - A. Atenolol
 - B. Ramipril
 - C. Leflunomide
 - D. Amitriptyline



- **71.** What causes muscle fatigue?
 - A. Ischaemia due to atherosclerotic plagues
 - B. Accumulation of lactic acid
 - C. Lack of sufficient ATP molecules
 - D. Accumulation of carbon dioxide
- **72.** Benzodiazepines are **NOT** indicated for which ONE of the following?
 - A. Muscle spasm
 - B. Anxiety
 - C. Depression
 - D. Acute alcohol withdrawal
- 73. Which drug is the MOST useful for the management of metastatic bone pain?
 - A. Meloxicam
 - B. Fentanyl
 - C. Amitriptyline
 - D. Carbamazepine
- 74. Which ONE of the following describes the effect of salbutamol on adrenoreceptors?
 - A. Relatively selective beta-2 agonist with alpha agonist activity
 - B. Relatively selective beta-1 agonist without alpha agonist activity
 - C. Relatively selective beta-2 agonist without alpha agonist activity
 - D. Relatively selective beta-1 agonist with alpha agonist activity



- **75.** What is the mode of action of phenytoin?
 - A. Sodium channel blockade
 - B. Binds to synaptic vesicle protein 2A
 - C. Binds to voltage-dependent calcium channels
 - D. Inhibits glutamate release
- **76.** Which organ plays a major role in the immune system?
 - A. Pancreas
 - B. Thyroid
 - C. Liver
 - D. Thymus
- 77. Damage to the posterior pituitary may cause which ONE of the following?
 - A. Lewy body dementia
 - B. Decreases vasopressin release
 - C. Cushing's syndrome
 - D. Retarded growth
- 78. Which action of propranolol is NOT due to beta1-adrenoceptor blockade?
 - A. Decrease in heart rate
 - B. Prolongation of A-V conduction time
 - C. Reduction in cardiac contractility
 - D. Reduced peripheral blood flow



- **79.** Death from acute paracetamol overdose is due to the accumulation of toxic metabolites resulting in which ONE of the following?
 - A. Hepatic necrosis
 - B. Cholestatic jaundice
 - C. Acute renal failure
 - D. Cirrhosis
- 80. How does colchicine relieve symptoms of an acute gout attack?
 - A. Blocking PGE2 formation
 - B. Blocking uric acid formulation
 - C. Inhibiting neutrophil infiltration
 - D. Increasing uric acid excretion
- **81.** What is the main effect of vasopressin?
 - A. To increase blood pressure, increasing formation of nephric filtrate
 - B. To cause active transport of urea and uric acid from renal blood into tubules
 - C. To inhibit aldosterone action
 - D. To cause reabsorption of water
- **82.** What is another acceptable name for isopropyl alcohol?
 - A. Methanol
 - B. 1,2-ethanediol
 - C. 2-propanol
 - D. 1-pentanol



- **83.** Men with diabetes are at significantly higher risk of developing which ONE of the following conditions?
 - A. Renal stenosis
 - B. Macular depigmentation
 - C. Testicular cancer
 - D. Erectile dysfunction
- 84. What is a nosocomial infection?
 - A. Acquired in a medical facility
 - B. Transmitted by respiratory droplets
 - C. Transmitted via contaminated water
 - D. Affects mainly school aged children
- 85. Which ONE of the following is NOT a long-term complication of diabetes?
 - A. Retinopathy
 - B. Microangiopathy
 - C. Paralytic ileus
 - D. Neuropathy
- **86.** Which pair below are examples of monosaccharides?
 - A. Glucose and glycerine
 - B. Maltose and sucrose
 - C. Fructose and glucose
 - D. Lactose and galactose



88. Which ONE of the following drugs is LEAST likely to need a dosage adjustment in a patient with reduced renal function?
A. Haloperidol B. Metformin
C. Digoxin
D. Tobramycin
89. What is the morphology of a normal erythrocyte?
A. Non-nucleated, biconcave disc
B. Binucleated cell
C. Non-nucleated convex disc
D. Nucleated biconcave disc
90. What is the MOST appropriate treatment for an infestation of scabies?
A. Permethrin
B. Mebendazole
C. Malathion
D. Tinidazole

87. What drug can cause gingival hyperplasia after long-term treatment?

A. Irbesartan

C. PropranololD. Nifedipine

B. Hydrochlorothiazide



- **91.** Which condition is characterised by destruction of myelin sheath surrounding nerve axons?
 - A. Huntington's chorea
 - B. Multiple sclerosis
 - C. Parkinson's disease
 - D. Tardive dyskinesia
- 92. What does oxidation of a secondary alcohol yield?
 - A. Ketone
 - B. Primary alcohol
 - C. Aldehyde
 - D. Ether
- 93. Which symptom is LEAST likely in a patient with diabetes mellitus?
 - A. Urinary retention
 - B. Excessive thirst
 - C. Glycosuria
 - D. Weight loss
- 94. Which statement is CORRECT regarding heart failure (HF)?
 - A. Loop diuretics improve symptoms and survival in HF patients
 - B. Ischaemic heart disease and hypertension are common causes of systolic dysfunction in HF
 - C. Compensatory responses have beneficial effects to reduce progression of HF
 - D. Angiotensin-converting enzyme inhibitor dose escalation is based on symptomatic improvement



95. How does glyceryl trinitrate relieve the symptoms of angina pectoris?
--

- A. Reduces afterload
- B. Increases myocardial perfusion
- C. Constricts arterioles
- D. Decreases heart rate
- **96.** Which ONE of the following should be regularly monitored in a patient taking amiodarone?
 - A. Prostate specific antigen
 - B. Urinary cortisol
 - C. Serum creatinine
 - D. Thyroid function tests
- 97. Which agent possesses the greatest degree of antihistaminic action?
 - A. Citalopram
 - B. Doxepin
 - C. Diazepam
 - D. Oxazepam
- 98. What is saponification defined as?
 - A. Reaction of a glyceryl ester with alkali to form soaps and glycerol
 - B. Reaction of acids with bases to form salt(s) and water
 - C. Reaction of salts or esters with water to form acids and bases or alcohols
 - D. Reaction in which hydrogen atoms are added across a double bond



- **99.** What is the mode of action of allopurinol?
 - A. To increase renal excretion of uric acid
 - B. To inhibit formation of uric acid
 - C. To inhibit absorption of dietary purines
 - D. To inhibit prostaglandin synthesis
- **100.** Which ONE of the following antiepileptic drugs has activity against both generalised tonic-clonic seizures and generalised absence seizures?
 - A. Phenytoin
 - B. Gabapentin
 - C. Valproate
 - D. Carbamazepine



Answer sheet

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

Sequence Number Correct Answer 36 B 37 C 38 C 39 D 40 B 41 A 42 D 43 D 44 D 45 D 46 B
36 B 37 C 38 C 39 D 40 B 41 A 42 D 43 D 44 D 45 D
37 C 38 C 39 D 40 B 41 A 42 D 43 D 44 D 45 D 46 B
38 C 39 D 40 B 41 A 42 D 43 D 44 D 45 D
39 D 40 B 41 A 42 D 43 D 44 D 45 D 46 B
40 B 41 A 42 D 43 D 44 D 45 D 46 B
41 A 42 D 43 D 44 D 45 D 46 B
42 D 43 D 44 D 45 D 46 B
43 D 44 D 45 D 46 B
44 D 45 D 46 B
45 D 46 B
46 B
47 C
48 A
49 C
50 C
51 B
52 C
53 A
54 D
55 D
56 C
57 D
58 B
59 B
60 C
61 B
62 B
63 B
64 D
65 C 66 B 67 C
66 B
67 C
68 D
68 D 69 C

Sequence	Correct
Number	Answer
71	В
72	С
73	A
74	С
75	Α
76	D
77	В
78	D
79	Α
80	С
81	D
82	С
83	D
84	A C
85	
86	С
87	D
88	Α
89	Α
90	Α
91	В
92	Α
93	Α
94	В
95	В
96	В
97	В
98	А
99	В
100	С



Australian Pharmacy Council
Level 1, 15 Lancaster Place
Majura Park, Canberra Airport, ACT 2609, Ngunnawal Country
p +61 2 6188 4288 | www.pharmacycouncil.org.au