**Question 1**

Which is NOT biotransformed by deacetylation or hydrolysis, resulting in the formation of an active skeletal muscle relaxant?

Select one:

a. Succinylcholine

b. Atracurium

c. Pancuronium

d. Pipecuronium

Answer B. Katzung 7th Edition pg 438-439 query wording-active?

**Question 2**

Pancuronium may cause a tachycardia due to:

Select one:

a. Direct stimulation of the vasomotor centre in the brain stem

b. A reflex response to hypotension caused by the drug

c. Blockade of N receptors in parasympathetic ganglia

d. Its vagolytic action on the heart

Answer C. Katzung 7th Edition pg 443

**Question 3**

Which neuromuscular blocker is most likely to cause tachycardia?

Select one:

a. Atracurium

b. Pancuronium

c. Vecuronium

d. Rocuronium

Answer B. Katzung 7th Edition pg 443

**Question 4**

Suxamethonium:

Select one:

a. May cause decreased intraocular pressure

b. Has a short duration of action due to hydrolysis by acetyl cholinesterase

c. Would be the muscle relaxant of choice in a 2 week old burn injury

d. Is antagonised by non-depolarising muscle relaxants

Answer D. Katzung 7th Edition pg 439, 443-444

**Question 5**

Regarding neuromuscular blocking drugs:

Select one:

a. Non-depolarising agents paralyse larger muscles first

b. Aminoglycosides decrease neuromuscular blockade

c. Rocuronium has the longest duration of action

d. Vecuronium has little effect on the cardiovascular system

Answer D. Katzung 7th Edition pg 438 table 27-1, 442 – 443, 439, 754

**Question 6**

Regarding suxamethonium, which is FALSE?

Select one:

a. Its action may be augmented by neostigmine

b. It may cause a severe tachycardia if the dosage is repeated

c. It stimulates autonomic ganglia

d. It causes a rise in intra cranial pressure

Answer B. Katzung 7th Edition pg 443-445, 439

**Question 7**

The skeletal muscles most sensitive to the actions of tubocurarine are:

Select one:

a. Muscles of the arms and legs

b. Respiratory muscles

c. Muscles of the trunk

d. Muscles of the head, neck and face

Answer D. Katzung 7th Edition pg 442

**Question 8**

Phase one depolarising neuromuscular blockade is NOT associated with:

Select one:

a. Hyperkalemia

b. Fasciculations

c. Bradycardia

d. Fade on tetanic stimulation

Answer D. Correct. Katzung pg 441 figure 27-6

**Question 9**

The duration of action of which drug is NOT significantly prolonged in renal failure?

Select one:

a. Tubocurarine

b. Suxamethonium

c. Pancuronium

Answer B. Katzung 7th Edition pg 438 table 27-1

**Question 10**

Which of the following is NOT true?

Select one:

a. Suxamethonium is a depolarising muscle relaxant

b. Tubocurarine blocks the neuromuscular action of acetylcholine by blocking its release

c. Mivacurium is broken down by plasma cholinesterase

d. Vecuronium is a steroid based molecule

Answer C. Katzung 7th Edition pg 438 table 27-1, 439