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Time taken 30 mins 2 secs

Grade 24.00 out of 25.00 (96%)

Question 1

Correct

Mark 1.00 out of 1.00

All of the following statements regarding vasodilators are true EXCEPT:

Choose the ONE BEST answer

- A. Minoxidil can cause hypertrichosis
- B. Nifedipine is a dopamine receptor antagonist
- C. Nitroprusside dilates both arterioles and veins
- D. Hydralazine causes tachycardia



Your answer is correct.

The correct answer is:

Nifedipine is a dopamine receptor antagonist

Question 2

Correct

Mark 1.00 out of 1.00

The following agents are selective beta-1 adrenoceptor antagonists, EXCEPT:

Choose the ONE BEST answer

- A. Propranolol
- B. Atenolol
- C. Metoprolol
- D. Bisoprolol



Your answer is correct.

The correct answer is:
Propranolol

Question 3

Correct

Mark 1.00 out of 1.00

All of the following statements regarding cardiac glycosides are true EXCEPT:

Choose the ONE BEST answer

- A. They inhibit the activity of the Na⁺/K⁺-ATPase
- B. They have a very low therapeutic index
- C. They increase vagal tone
- D. They decrease intracellular concentrations of calcium in myocytes



Your answer is correct.

The correct answer is:
They decrease intracellular concentrations of calcium in myocytes

Question 4

Correct

Mark 1.00 out of 1.00

State whether the following statement is TRUE or FALSE (negative marking for wrong answer)

Cholestyramine may cause an increased bleeding tendency

- A. TRUE
- B. FALSE



Your answer is correct.

The correct answer is:

TRUE

Question 5

Correct

Mark 1.00 out of 1.00

Which of these drugs reduces blood pressure by acting on vasomotor centers in the CNS:

Choose the ONE BEST answer

- A. Diltiazem
- B. Hydralazine
- C. Diazoxide
- D. Clonidine



Your answer is correct.

The correct answer is: Clonidine

Question 6

Correct

Mark 1.00 out of 1.00

Which of these drugs is an inhibitor of renin synthesis?

Choose the ONE BEST answer

- A. Losartan
- B. Enalapril
- C. Diazoxide
- D. Propranolol



Your answer is correct.

The correct answer is:
Propranolol

Question 7

Correct

Mark 1.00 out of 1.00

All of the following drugs are used in the treatment of severe congestive heart failure EXCEPT:

Choose the ONE BEST answer

- A. Verapamil
- B. Dopamine
- C. Digoxin
- D. Dobutamine



Your answer is correct.

The correct answer is:
Verapamil

Question 8

Correct

Mark 1.00 out of 1.00

State whether the following statement is TRUE or FALSE (negative marking for wrong answer)

Digoxin is useful in the treatment of congestive heart failure following acute myocardial infarction

- A. FALSE
- B. TRUE



Your answer is correct.

The correct answer is:

FALSE

Question 9

Correct

Mark 1.00 out of 1.00

Which of these drugs is most likely to produce tachycardia?

Choose the ONE BEST answer

- A. Prazosin
- B. Enalapril
- C. Clonidine
- D. Atenolol



Your answer is correct.

The correct answer is:

Prazosin

Question 10

Incorrect

Mark 0.00 out of 1.00

Which of the following drugs is an alpha- and beta-adrenoreceptor blocker?

Choose the ONE BEST answer

- A. Propranolol
- B. Metoprolol
- C. Labetalol
- D. Phentolamine



Your answer is incorrect.

The correct answer is:

Labetalol

Question 11

Correct

Mark 1.00 out of 1.00

State whether the following statement is TRUE or FALSE (negative marking for wrong answer)

HMG-CoA reductase inhibitors lower the plasma LDL concentration by stimulating synthesis of liver cell LDL receptors

- A. TRUE
- B. FALSE



Your answer is correct.

The correct answer is:

TRUE

Question 12

Correct

Mark 1.00 out of 1.00

Which of the following drugs is most suitable for treatment of acute ventricular tachycardia?

- A. Verapamil
- B. Flecainide
- C. Lignocaine
- D. Sotalol



Your answer is correct.

The correct answer is:

Lignocaine

Question 13

Correct

Mark 1.00 out of 1.00

Which of these drugs is most likely to cause Torsades de pointes?

Choose the ONE BEST answer

- A. Mexiletine
- B. Diltiazem
- C. Sotalol
- D. Magnesium sulphate



Your answer is correct.

The correct answer is:

Sotalol

Question 14

Correct

Mark 1.00 out of 1.00

State whether the following statement is TRUE or FALSE (negative marking for wrong answer)

A serious unwanted effect of calcium channel blockers used in the treatment of hypertension arises from their effect on neuronal calcium channels

- A. FALSE
- B. TRUE



Your answer is correct.

The correct answer is:

FALSE

Question 15

Correct

Mark 1.00 out of 1.00

State whether the following statement is TRUE or FALSE (negative marking for wrong answer)

Mannitol is secreted into the proximal convoluted tubule

- A. TRUE
- B. FALSE



Your answer is correct.

The correct answer is:

FALSE

Question 16

Correct

Mark 1.00 out of 1.00

All these drugs are useful in angina, both decrease myocardial oxygen requirement (by decreasing the determinations of oxygen demand) and increase myocardial oxygen delivery (by reversing coronary arterial spasm), EXCEPT:

Choose the ONE BEST answer

- A. Metoprolol
- B. Glyceryl trinitrate
- C. Nifedipine
- D. Nicorandil



Your answer is correct.

The correct answer is:

Metoprolol

Question 17

Correct

Mark 1.00 out of 1.00

Which of these pairs of **diuretics** both cause metabolic alkalosis?

Choose the ONE BEST answer

- A. Loop **diuretics** and thiazide **diuretics**
- B. Loop **diuretics** and carbonic anhydrase inhibitors
- C. Thiazide **diuretics** and potassium sparing **diuretics**
- D. Potassium sparing **diuretics** and carbonic anhydrase inhibitors



Your answer is correct.

The correct answer is:

Loop **diuretics** and thiazide **diuretics**

Question 18

Correct

Mark 1.00 out of 1.00

Which of these actions are seen with both thiazide diuretics and loop diuretics?

Choose the ONE BEST answer

- A. Metabolic acidosis and hypokalemia
- B. Hyper-uricaemia and hyperkalemia
- C. Hyperglycaemia and vasodilatation
- D. Hypercalcaemia and hypokalaemia



Your answer is correct.

The correct answer is:

Hyperglycaemia and vasodilatation

Question 19

Correct

Mark 1.00 out of 1.00

Which of these drugs is useful in terminating atrial but not ventricular tachycardias?

Choose the ONE BEST answer

- A. Verapamil
- B. Lignocaine
- C. Flecainide
- D. Sotalol



Your answer is correct.

The correct answer is:

Verapamil

Question 20

Correct

Mark 1.00 out of 1.00

State whether the following statement is TRUE or FALSE (negative marking for wrong answer)

Enalapril increases the concentration of plasma angiotensin I

- A. TRUE
- B. FALSE



Your answer is correct.

The correct answer is:

TRUE

Question 21

Correct

Mark 1.00 out of 1.00

State whether the following statement is TRUE or FALSE (negative marking for wrong answer)

There is still great uncertainty as to whether decreasing LDL-cholesterol will reduce the risk of coronary artery disease

- A. FALSE
- B. TRUE



Your answer is correct.

The correct answer is:

FALSE

Question 22

Correct

Mark 1.00 out of 1.00

Which of these **diuretics** may exacerbate gout?

Choose the ONE BEST answer

- A. Spironolactone
- B. Thiazide **diuretics**
- C. All **diuretics** have potential to exacerbate gout
- D. Mannitol
- E. No diuretic has been associated with gout



Your answer is correct.

The correct answer is:

Thiazide **diuretics**

Question 23

Correct

Mark 1.00 out of 1.00

Amiloride and triamterene:

Choose the ONE BEST answer

- A. Block aldosterone-controlled sodium channels at the collecting tubule
- B. Antagonize the diuretic actions of loop **diuretics**
- C. Block aldosterone receptors
- D. Can cause hypokalemia and metabolic alkalosis



Your answer is correct.

The correct answer is:

Block aldosterone-controlled sodium channels at the collecting tubule

Question 24

Correct

Mark 1.00 out of 1.00

Adverse effects characteristic for lignocaine include:

Choose the ONE BEST answer

- A. Agranulocytosis, leucopenia
- B. Bronchospasm, dyspepsia
- C. Hypotension, paresthesias, convulsions
- D. Extrapramidal disorders



Your answer is correct.

The correct answer is:

Hypotension, paresthesias, convulsions

Question 25

Correct

Mark 1.00 out of 1.00

Which of the following statements is true concerning [diuretics](#)?

Choose the ONE BEST answer

- A. Loop [diuretics](#) promote both calcium and magnesium excretion
- B. Loop [diuretics](#) promote calcium retention and promote magnesium excretion
- C. Thiazide [diuretics](#) promote both calcium and magnesium excretion
- D. Thiazide [diuretics](#) promote both calcium and magnesium retention



Your answer is correct.

The correct answer is:

Loop [diuretics](#) promote both calcium and magnesium excretion

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