

Q1: Regarding asthma which of the following is true?

- A) Asthma is an emotional illness.
- B) Asthma is an acute disease.
- C) Asthma medications are addictive.
- D) Asthma is not a fatal illness even if it is untreated.
- E) Corticosteroids are more efficient than bronchodilators in late asthma treatment.

Answer: **(E)**

Q2: All of the following drugs are selective B2 agonists except?

- A) Salbutamol.
- B) Terbutaline.
- C) Isoetharine.
- D) Isopreterenol.
- E) None of the above.

Answer: **(D)**

Q3: Which of the following drugs can cause tachycardia?

- A) Albuterol.
- B) Metaproterenol.
- C) Isopreterenol.
- D) Salmeterol.
- E) Formoterol.

Answer: **(C)**

Q4: About B2 adrenergic agonists all of the following are true except?

- A) Increase vascular permeability.
- B) Cause vasodilation of blood vessels.
- C) Drug choice of acute asthma.
- D) Enhance mucociliary clearance.
- E) B2 drugs can be selective or non – selective.

Answer: **(A)**

Q5: One of the following is not a side effect of B2 agonist drugs?

- A) CNS effect.
- B) Anxiety.
- C) Tremor.
- D) Depression.
- E) Tachycardia.

Answer: **(D)**

Q6: Choose the wrong statement:

- A) Hypoxia can be one of the side effects of B2 agonist drugs.
- B) Inappropriate use of metered-dose inhalers can cause candida infection in the oropharynx.
- C) B2 agonist drugs inhibit eosinophil activation.
- D) Inhaled nedocromil is one of the long-term control medications.
- E) In asthma therapy oral corticosteroids should be given in moderate and severe cases.

Answer: **(E)**

Q7: Which of the following drugs directly inhibit phosphodiesterase?

- A) Albuterol.
- B) Ipratropium.
- C) Theophylline.
- D) Formoterol.
- E) None of the above.

Answer: **(C)**

Q8: Which of the following statements is not true?

- A) Patients homozygous for glycine at the B-16 locus of the β receptor improved with regular use of albuterol.
- B) Patients homozygous for arginine at the B-16 locus of the β receptor deteriorated with regular use of albuterol.
- C) Use of B2 agonist drugs increases the risk of death.
- D) Theophylline is an adenosine antagonist with a high therapeutic index.
- E) Aminophylline is an adenosine antagonist with a low therapeutic index.

Answer: **(D)**

Q9: Which of the following is wrong about the mechanisms of methylxanthine?

- A) Phosphodiesterase inhibitor.
- B) Adenosine receptor agonist.
- C) It causes bronchodilation.
- D) It has anti-inflammatory activity.
- E) Can cause cardiac problems.

Answer: **(B)**

Q10: A patient came to your clinic with severe bronchial asthma, he/she can't take a breath. Which of the following drugs is the best choice to give the patient immediately?

- A) Inhaled corticosteroids.
- B) Inhaled cromolyn sodium.
- C) Inhaled albuterol.
- D) Oral leukotriens modifiers.
- E) Oral methylxanthines.

Answer: **(C)**

Q11: A stupid doctor gives a patient with bronchial asthma a Beta antagonist instead of a Beta agonist. Which of the following drugs will be most useful to give the patient in this case?

- A) Inhaled long-acting bronchodilators.
- B) Inhaled short-acting bronchodilators.
- C) Inhaled corticosteroids.
- D) Inhaled atropine.
- E) Inhaled ipratropium bromide.

Answer: **(E)**