ANS Pharmacology

Multiple Choice <u>Test Bank</u> questions

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بسم الله الرحمن الرحيم

Q1 : What is the primary mechanism of action of beta blockers?

A) Blockade of calcium channels

B) Inhibition of angiotensin-converting enzyme (ACE)

C) Blockade of beta-adrenergic receptors

D) Enhancement of serotonin release

Answer: C) Blockade of beta-adrenergic receptors

Q2: Beta blockers are contraindicated in patients with which condition?

A) Asthma

B) Diabetes mellitus

C) Hypertension D) Rheumatoid arthritis

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Answer: A) Asthma

Q3 : Beta agonists are commonly prescribed for the management of:

A) Hypertension

B) Hyperthyroidism

C) Asthma and COPD

D) Diabetes mellitus

Answer: C) Asthma and COPD

Q4: Increased heart rate and dilated pupils are associated with the activation of the:

A) Sympathetic nervous system

- B) Parasympathetic nervous system
- C) Both systems
- D) None of the above

Answer: A) Sympathetic nervous system

Q5: What is the main neurotransmitter released by the parasympathetic nervous system?

A) Dopamine

B) Acetylcholine

C) Norepinephrine

D) GABA

Answer: B) Acetylcholine

Q6 : The parasympathetic nervous system is most active during:

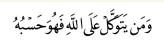
A) Stressful situations

B) Rest and digestion

C) Physical activity

D) Fight responses

Answer: B) Rest and digestion



Q7: Which division of the autonomic nervous system is responsible for the "fight or flight" response?

- A) Sympathetic
- B) Parasympathetic
- C) Central
- D) Somatic

Answer: A) Sympathetic

Q8: Which of the following is a typical effect of the parasympathetic nervous system activation?

- A) Increased heart rate
- B) Dilation of bronchioles
- C) Pupil dilation
- D) Increased digestion

Answer: D) Increased digestion

Q9: During sympathetic activation, what effect does it have on the respiratory system?

espiratory system:

A) Increased breathing rate

- B) Decreased breathing rate
- C) No effect on breathing
- D) Constriction of airways

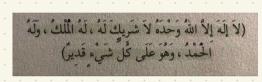
Answer: A) Increased breathing rate

Q10: Which of the following is a characteristic of the sympathetic nervous system's response to stress?

A) Increased salivation
B) Increased blood flow to digestive organs

- C) Dilation of pupils
- D) Decreased heart rate

Answer: C) Pilation of pupils



Q11: What is the primary effect of alpha-1 receptor activation?

- A) Vasodilation
- B) Decreased heart rate
- C) Vasoconstriction
- D) Increased cardiac output

Answer: C) Vasoconstriction

Q12: Which alpha blocker drug is commonly used to treat hypertension and glaucoma?

A) Clonidine

B) Prazosin C) Phenylephrine

D) Dobutamine

Answer: B) Prazosin

Q13: Which of the following is a long-acting beta-2 agonist commonly used in the management of asthma and COPD?

A) Albuteriol B) Salmeterol

C) Epinephrine D) Terbutaline

Answer: B) Salmeterol

Q14: Which alpha blocker is often used to manage symptoms of benign prostatic hyperplasia (BPH)? a) Atenolol

b) Tamsulosin

c) Lisinopril d) Metoprolol

Answer: b) Tamsulosin

Q15: What is the primary neurotransmitter deficiency associated with Parkinson's disease?

a) Serotonin b) Dopamine

c) Acetylcholine d) Norepinephrine

Answer: b) Dopamine

Q16: : What is the primar	v	ro	le	of	a	cet	١v	Ick	nol	lin	e iı	n ·	the	: Ис	2r	V 0	US	S	VS	te	m?	
A) Muscle contraction	•						•												•			
B) Digestion			٠		٠		٠					٠	•			•				٠		
C) Blood clotting																						

synaptic cleft?

A) Amylase

B) Catalase

C) Acetylcholinesterase

D) Lipase

Answer: C) Acetylcholinest

Q18: What type of receptor does acetylcholine p neuromuscular junction?

A) Beta-adrenergic receptor B) Nicotinic receptor

C) Muscarinic receptor

D) Alpha-adrenergic receptor

Answer: B) Nicotinic receptor

Q19: What is a common side effect of atropine overdose?

a) Hypertension

b) Hypoglycemia

c) Bradycardia

d) Dry mouth and blurred vision

Answer: d) Dry mouth and blurred vision

Q20: Which beta blocker is commonly used in the treatment of angina and post-myocardial infarction?

a) Propranol

b) Metoprolol

c) Atenool

d) Nebivool

Answer: b) Metoprolol

﴿ وَأَن لَيْسَ لِلْإِنسَنِ إِلَّا مَاسَعَى ﴿ وَأَنَّ سَعْيَهُ, سَوْفَ يُكرَىٰ ﴿ ثُمَّ يُحُزَىٰهُ ٱلْجُنَاءَ ٱلْأَوْفَىٰ ﴿ وَأَنَّ إِلَىٰ رَبِّكَ ٱلْمُنتَهَىٰ ﴿ وَأَنَّهُ اللهِ مَا تَا وَأَحْيا ﴿ وَأَنَّاهُ وَهُوَ أَمَاتَ وَأَحْيا ﴾ وَأَنَّهُ وَهُوَ أَمَاتَ وَأَحْيا ﴾