ECG Quiz

Name:	Date:
Quiz Objective: This quiz aims to test your knowledge about EC interpretation. This involves understanding the meaning of variou and recognizing the ECG patterns associated with different heart	s waveforms and interval
Instructions:	
Read each question carefully. Choose the correct answer based understanding of the subject.	on your knowledge and
The quiz consists of 20 multiple-choice questions. Four possible question: A, B, C, and D. Check the box of the letter of your choice	
Score:	
1. What does the P wave on an ECG represent?	
☐ A. Ventricular depolarization	
☐ B. Atrial depolarization	
☐ C. Ventricular repolarization	
☐ D. Atrial repolarization	
2. What does the QRS complex on an ECG represent?	
☐ A. Ventricular depolarization	
☐ B. Atrial depolarization	
☐ C. Ventricular repolarization	
☐ D. Atrial repolarization	
3. What does the T wave on an ECG represent?	
☐ A. Ventricular depolarization	
☐ B. Atrial depolarization	
☐ C. Ventricular repolarization	
☐ D. Atrial repolarization	
4. What is the normal range of the PR interval on an ECG?	

☐ A. 0.12 to 0.20 seconds

☐ B. 0.20 to 0.40 seconds
☐ C. 0.05 to 0.10 seconds
☐ D. 0.10 to 0.20 seconds
5. What heart condition is typically characterized by a sawtooth pattern on ECG?
☐ A. Ventricular fibrillation
☐ B. Atrial fibrillation
☐ C. Atrial flutter
☐ D. Ventricular tachycardia
6. What does ST-segment elevation suggest on an ECG?
☐ A. Myocardial ischemia
☐ B. Myocardial infarction
☐ C. Pericarditis
☐ D. All of the above
7. Which ECG changes are characteristic of hyperkalemia?
☐ A. Peaked T waves
☐ B. Absent P waves
☐ C. Prolonged PR interval
☐ D. Shortened QT interval
8. Which heart block is characterized by progressively longer PR intervals until a QRS complex is dropped?
☐ A. First-degree AV block
☐ B. Second-degree AV block Mobitz I (Wenckebach)
☐ C. Second-degree AV block Mobitz II
☐ D. Third-degree AV block
9. What does the U wave on an ECG represent?
☐ A. Ventricular depolarization
☐ B. Atrial depolarization
☐ C. Late ventricular repolarization
☐ D. It has no clinical significance
10. What is the normal range of the QRS duration on an ECG?
☐ A. 0.10 to 0.20 seconds

☐ B. 0.06 to 0.10 seconds
☐ C. 0.04 to 0.10 seconds
☐ D. 0.10 to 0.12 seconds
11. Which ECG changes are characteristic of hypokalemia?
☐ A. Flattened T waves
☐ B. Peaked T waves
☐ C. Prolonged PR interval
☐ D. Shortened QT interval
12. What does a delta wave on an ECG suggest?
☐ A. Ventricular fibrillation
☐ B. Wolff-Parkinson-White syndrome
☐ C. Atrial fibrillation
☐ D. Bundle branch block
13. Which arrhythmia is characterized by irregularly irregular rhythm and absent P waves?
☐ A. Ventricular fibrillation
☐ B. Atrial fibrillation
☐ C. Atrial flutter
☐ D. Ventricular tachycardia
14. In a typical ECG tracing, which of the following intervals most indicates ventricular repolarization?
☐ A. PR interval
☐ B. QT interval
☐ C. QRS complex
□ D. ST segment
15. Atrial flutter typically presents with what "flutter" rate?
☐ A. 150-250 beats per minute
☐ B. 50-150 beats per minute
☐ C. 250-350 beats per minute
☐ D. 350-450 beats per minute

sec	conds?
	A. First-degree AV block
	B. Second-degree AV block Mobitz I (Wenckebach)
	C. Second-degree AV block Mobitz II
	D. Third-degree AV block
17.	Torsades de pointes is a specific type of which of the following arrhythmias?
	A. Ventricular fibrillation
	B. Ventricular tachycardia
	C. Atrial fibrillation
	D. Atrial flutter
18.	Which of the following is a common cause of ST-segment depression on an ECG?
	A. Myocardial infarction
	B. Myocardial ischemia
	C. Pericarditis
	D. Hyperkalemia
19.	What is the significance of an inverted T wave on an ECG?
	A. It's a normal finding with no significance
	B. It may indicate myocardial ischemia or infarction
	C. It signifies a bundle branch block
	D. It denotes ventricular hypertrophy
	Which heart block is characterized by a complete dissociation between P waves and S complexes?
	A. First-degree AV block
	B. Second-degree AV block Mobitz I (Wenckebach)
	C. Second-degree AV block Mobitz II
	D. Third-degree AV block

16. Which conditions are characterized by a PR interval consistently longer than 0.20

Scoring:

Each question is worth 1 point. Your total score will be the sum of all correct answers. *You will find the answer key of this quiz on the next page.*

Answer Key:

- 1. B
- 2. A
- 3. C
- 4. A
- 5. C
- 6. D
- 7. A
- 8. B
- 9. C
- 10. B
- 11. A
- 12. B
- 13. B
- 14. B
- 15. C
- 16. A
- 17. B
- 18. B
- 19. B
- 20. D