



## EKG Technician Certification (ETC) Exam Blueprint

Job Task List	Weight	# of Items
<b>1. Medical Terminology</b>	10%	10
1.01 Medical Prefixes		
1.02 Medical Suffixes		
1.03 Root Words		
1.04 Cardiac and Circulatory Terminology		
<b>2. Anatomy And Physiology Of Heart</b>	20%	20
2.01 Anatomy of Heart		
2.02 Electrical conduction of Heart		
2.03 Blood Flow		
2.04 Cardiac Cycle		
2.05 Heart Sounds		
2.06 Heart Rate		
2.07 Cardiac Output		
2.08 Intercostal Spaces		
<b>3. Diseases/ Disorders Of Heart</b>	14%	14
3.01 Causes and treatment modalities of abnormal ventricular rhythms		
3.02 Causes and treatment modalities of abnormal junctional rhythms		
3.03 Causes and treatment modalities of abnormal atrial rhythms		
3.04 Causes and treatment modalities of abnormal sinus rhythms		
3.05 Myocardial Infarction		
3.06 Transient ischemic attack		
3.07 Atrial Fibrillation		
3.08 Hypertension		
<b>4. Electrocardiography</b>	36%	36
4.01 Components of EKG (e.g., 3 lead, 5 lead, 12 lead)		
4.02 Lead Placement		
4.03 Graph Paper Interpretation		
4.04 1500 Method		
4.05 300 Method		
4.06 R to R Wave Interval Method		
4.07 Identification of waveforms on rhythm strip		
4.08 Measurement of waveforms on rhythm strip		
4.09 Analysis of Heart Rate		
4.1 Analysis of Heart Rhythm		
4.11 Analysis of P Wave		
4.12 Analysis of PR Interval		
4.13 Analysis of QRS complex		
4.14 T wave interpretation		
4.15 U wave interpretation		
4.16 Artifacts		
4.17 Sinus Rhythm Analysis		
4.18 Atrial Rhythm Analysis		
4.19 Ventricular Rhythm Analysis		

4.20 Common Tracing Problems		
<b>5. Pharmacology</b>	8%	8
5.01 Dosage and frequency		
5.02 Nitroglycerine		
5.03 Hypertension medication		
5.04 Blood thinners		
5.05 Narcan		
<b>6. General Patient Care</b>	12%	12
6.01 Charting procedures		
6.02 Patient preparation procedures		
6.03 Patient consent procedures		
6.04 Patient placement		
6.05 Emergency Care Procedures		
6.06 HIPAA		
<b>Total:</b>	100%	100*

\* This number indicates the number of scored items on the certification exam. All AMCA certification exams are subject to pilot testing, meaning that there could be additional unscored items on the exam. The scored items will be from a current operational form of our exam. The unscored items will be new items that data is being collected on. The unscored items will not have any effect on the candidate's score and/or their pass/fail decision.

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