Certified Rhythm Analysis Technician (CRAT)

Examination Matrix

This examination matrix is provided to illustrate the general distribution of questions and the relative weight or emphasis given to a skill or content area on the examination.

Content Category	Approximate Percentage of Examination
A. Registering Patients	5%
B. Maintaining Cardiac Monitoring Device Support	3%
C. Educating Clients	8%
D. Administering Cardiac Test	10%
E. Analyzing Rhythms	68%
F. Processing Cardiac Test Findings	6%
TOTAL	**100%**

Knowledge List

The list below describes general areas of knowledge that are needed in order to perform the tasks identified. This knowledge will apply across multiple tasks.

Regulatory and compliance standards (e.g., OSHA, HIPAA, informed consent, medical records)

Medical ethics

Communication with the client

Communication with staff and faculty

Patient safety

Emergency response

Basic cardiovascular anatomy and physiology

Cardiac rhythm analysis and interpretation

ECG troubleshooting

Documentation of findings

Medical terminology

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Task List – Proposed

The task list below describes the activities that a Rhythm Analysis Technician is expected to perform on the job. All examination questions are linked to these tasks.

Duties and Tasks		% of Exam
A	**Registering Patients**	**5%**
1	Validate provider order	
2	Verify patient identification	
3	Collect patient demographics	
4	Review patient history	
5	Supply cardiac monitoring device equipment to patient	
B	**Maintaining Cardiac Monitoring Device Support**	**3%**
1	Confirm electrode placement	
2	Clean client equipment	
3	Minimize electrical mechanical interference (EMI)	
C	**Educating Clients**	**8%**
1	Provide educational materials to clients	
2	Explain cardiac monitoring service	
3	Educate clients on cardiac monitoring device saftey	
4	Educate clients on self-monitoring	
D	**Administering Cardiac Test**	**10%**
1	Place cardiac monitoring device	
2	Collect ECG results	
3	Obtain patient symptoms	
4	Recognize standard ECG settings	

Duties and Tasks		% of Exam
E	**Analyzing Rhythms**	**68%**
1	Identify normal ECG components	
2	Identify sinus rhythm	
3	Identify atrial rhythm	
4	Identify junctional rhythm	
5	Identify AV conduction defects	
6	Identify ventricular rhythms	
7	Identify asystole	
8	Recognize artifacts	
9	Identify paced rhythms	
10	Identify cardiac anatomy and physiology	
F	**Processing Cardiac Test Findings**	**6%**
1	Triage ECG results	
2	Compile test findings	
3	Conduct follow-up activities	
Total		**100%**