



RPSGT Examination Blueprint

Effective July 1, 2013

The RPSGT examination consists of 200 multiple choice items. Of these, 150 items count toward the candidates' scores and 50 are pretest items that are not scored.

General Knowledge Required:

Medical terminology, safety, verbal and written communication skills, ethics, patient confidentiality, basic patient care and emergency procedures, basic math skills and calculations, computer skills.

The Successful Candidate Will Have Knowledge Of:

Sleep disorders and diagnostic criteria, sleep related co-morbidities, anatomy and physiology, neurophysiology, cardiac physiology, respiratory physiology, sleep physiology, scoring rules, practice parameters, testing procedures, medications and over-the-counter products, basic knowledge of computers, EEG waveform morphology, instrumentation, intervention/treatment/therapy modalities, treatment modalities.

DOMAIN 1: STUDY PERFORMANCE/INSTRUMENTATION 40%

TASK A: Collect and review patient information 3-7%

- i. Clinician's orders
- ii. History and physical
- iii. Medications
- iv. Patient interview
- v. Questionnaires
- vi. Patient accommodations
- vii. At-risk patients

TASK B: Prepare for the procedure 2-5%

- i. Patient/family orientation and expectations
- ii. Equipment
- iii. Supplies
- iv. Montages

TASK C: Identify and apply sensors 2-3%

- i. Anatomically appropriate locations
- ii. Site preparation and application
- iii. Impedance verification

TASK D: Calibrate 2-3%

- i. Recording device
- ii. Ancillary equipment
- iii. Physiologic verification

TASK E: Perform Procedures 13-20%

- i. Adult test protocols
- ii. Pediatric test protocols
- iii. Multiple Sleep Latency Test (MSLT)
- iv. Maintenance of Wakefulness Test (MWT)
- v. Unattended portable monitoring



TASK F: Document during testing 2-3%

- i. Observations at regular intervals
- ii. Significant findings
- iii. Waveform variations
- iv. External disrupting influences
- v. Interventions

TASK G: Identify and respond to issues 7-13%

- i. Artifacts
- ii. Equipment malfunction
- iii. Recording parameters
- iv. Physiologic/clinical events
- v. Emergencies
- vi. Patient needs

TASK H: Clean/disinfect equipment <1%

DOMAIN 2: SCORING AND DATA PROCESSING 20% |

TASK A: Adult and Pediatric Scoring 12-13%

- i. Sleep stages
- ii. Arousals
 - a. Spontaneous
 - b. Event associated
- iii. Respiratory events
- iv. Desaturations
- v. Movements
- vi. Cardiac events
- vii. Verify accuracy of scored data

TASK B: Reporting 5-8%

- i. Calculations
- ii. Graphic summary (e.g., histogram)
- iii. Narrative summary
- iv. Abnormal behavior
- v. Create report and verify accuracy

TASK C: Archive data <1%

DOMAIN 3: PERFORM THERAPEUTIC TREATMENT AND INTERVENTION 30%

TASK A: Contraindications 2-3%

TASK B: Titrate PAP and oxygen 25-27%

- i. Adult/pediatric therapy guidelines
- ii. Proper mode of intervention
- iii. Intentional leak levels
- iv. Appropriate PAP interface
 - a. Patient acclimation
 - b. Proper interface fit
- v. Troubleshooting
 - a. Interface intolerance
 - b. Pressure intolerance
 - c. Humidification

TASK C: Alternative therapies <1-2%

DOMAIN 4: THERAPY ADHERENCE AND MANAGEMENT 10%

TASK A: Healthy sleep habits 1-3%

TASK B: Importance of therapy 1-3%

TASK C: Physiology of OSA 2-4%

TASK D: Mechanics of PAP therapy 2-4%

TASK E: Desensitization techniques 1-3%

TASK F: Compliance 1-3%