



# CPSGT Examination Blueprint

## Effective July 1, 2013

The CPSGT examination consists of 75 multiple choice items. Of these, 60 items count toward the candidates' scores and 15 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 basic calculations, basic knowledge of computers.

### A Successful Candidate Will Have Basic Knowledge Of:

Sleep apnea and diagnostic criteria, practice parameters for sleep apnea, adult testing procedures for sleep apnea, instrumentation, scoring rules for sleep stages, arousals, respiratory events, EEG waveform morphology, sleep physiology, respiratory physiology, cardiac physiology, intervention/treatment/CPAP therapy.

### DOMAIN 1: STUDY PERFORMANCE/INSTRUMENTATION 60%

#### TASK A: Collect and review patient information 7-13%

- 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 PSG and CPAP titration 7-9%

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

#### TASK C: Identify and apply sensors 13-20%

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

#### TASK D: Calibrate 4-8%

- i. Recording device
- ii. Physiologic verification

#### TASK E: Perform Procedures 11-16%

- i. Adult PSG protocol
- ii. Unattended portable monitoring



**TASK F: Document during testing 5-11%**

- i. Observations at regular interviews
- ii. Significant findings
- iii. External disrupting influences
- iv. Interventions

**TASK G: Identify and respond to issues 11-16%**

- i. Basic artifacts
- ii. Equipment malfunction
- iii. Physiologic/clinical events
- iv. Emergencies
- v. Patient needs

**TASK H: Clean/disinfect equipment <1%**

**DOMAIN 2: SCORING AND DATA PROCESSING 20%**

**TASK A: Adult Scoring 19-20%**

- i. Sleep stages
- ii. Arousals
  - a. Spontaneous
  - b. Event associated
- iii. Respiratory events
- iv. Desaturations
- v. AHI calculation
- vi. Narrative summary

**TASK B: Verify data is recorded and saved <1%**

**DOMAIN 3: PERFORM CPAP TITRATION 20%**

**TASK A: Contraindications 1-4%**

**TASK B: Titrate CPAP 16-19%**

- i. Adult therapy guidelines
- ii. Intentional leak levels
- iii. Appropriate CPAP interface
  - a. Patient acclimation
  - b. Proper interface fit
- iv. Troubleshooting
  - a. Interface intolerance
  - b. Pressure intolerance
  - c. Humidification