




**Certified Emergency Nurse (CEN)  
Examination Content Outline**

**Total Items**

| 1. Cardiovascular Emergencies   | 19 |
|---|----|
| <ul style="list-style-type: none"> <li>A. Acute coronary syndrome</li> <li>B. Aneurysm and dissection</li> <li>C. Cardiopulmonary arrest</li> <li>D. Dysrhythmias</li> <li>E. Endocarditis</li> <li>F. Heart failure</li> <li>G. Hypertension</li> <li>H. Pericardial tamponade</li> <li>I. Pericarditis</li> <li>J. Peripheral vascular disease</li> <li>K. Thromboembolic disease (e.g., deep vein thrombosis [DVT])</li> <li>L. Cardiovascular trauma</li> <li>M. Cardiogenic shock and obstructive shock</li> </ul> |    |
| 2. Respiratory Emergencies  | 18 |
| <ul style="list-style-type: none"> <li>A. Aspiration</li> <li>B. Asthma</li> <li>C. Chronic obstructive pulmonary disease (COPD)</li> <li>D. Infections</li> <li>E. Inhalation injuries</li> <li>F. Obstruction</li> <li>G. Pleural effusion</li> <li>H. Pneumothorax</li> <li>I. Noncardiac pulmonary edema</li> <li>J. Pulmonary embolus</li> <li>K. Respiratory distress syndrome</li> <li>L. Respiratory trauma</li> <li>M. Pulmonary hypertension</li> </ul>   |    |
| 3. Neurological Emergencies   | 18 |
| <ul style="list-style-type: none"> <li>A. Neurological disorders (e.g., multiple sclerosis, myasthenia gravis, Guillain-Barré syndrome)</li> <li>B. Headache (e.g., temporal arteritis, migraine)</li> <li>C. Increased intracranial pressure (ICP)</li> <li>D. Meningitis</li> <li>E. Seizure disorders</li> </ul>   |    |

|  <p style="text-align: center;"><b>Certified Emergency Nurse (CEN)<br/>Examination Content Outline</b></p>  | Total Items |
|---|-------------|
| <ul style="list-style-type: none"> <li>F. Stroke</li> <li>G. Transient ischemic attack (TIA)</li> <li>H. Head and spinal cord trauma</li> <li>I. Neurogenic shock</li> </ul>  |             |
| <b>4. Gastrointestinal, Genitourinary, Gynecology, and Obstetrical</b>  | <b>18</b>   |
| <b>A. Gastrointestinal</b>  |             |
| <ul style="list-style-type: none"> <li>1. Acute abdomen</li> <li>2. Appendicitis</li> <li>3. Peritonitis</li> <li>4. Bowel perforation</li> <li>5. Cyclic vomiting syndrome</li> <li>6. Bleeding</li> <li>7. Cholecystitis</li> <li>8. Cirrhosis</li> <li>9. Diverticulitis</li> <li>10. Esophageal varices</li> <li>11. Foreign bodies</li> <li>12. Hepatitis</li> <li>13. Intussusception</li> <li>14. Obstructions</li> <li>15. Pancreatitis</li> <li>16. Gastrointestinal trauma</li> </ul> |             |
| <b>B. Genitourinary</b>   |             |
| <ul style="list-style-type: none"> <li>1. Genitourinary infections</li> <li>2. Priapism</li> <li>3. Renal calculi</li> <li>4. Testicular torsion</li> <li>5. Genitourinary trauma</li> <li>6. Urinary retention</li> </ul>  |             |
| <b>C. Gynecology</b>  |             |
| <ul style="list-style-type: none"> <li>1. Dysfunctional uterine bleeding</li> <li>2. Gynecological infections</li> <li>3. Ovarian disorders (e.g., cyst, torsion, rupture)</li> <li>4. Sexual assault and battery</li> <li>5. Gynecological trauma</li> </ul>   |             |



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|  |           |
|--|-----------|
| <b>D. Obstetrical</b>  |           |
| <ol style="list-style-type: none"> <li>1. Abruptio placenta</li> <li>2. Ectopic pregnancy</li> <li>3. Emergent delivery</li> <li>4. Hemorrhage (e.g., postpartum bleeding)</li> <li>5. Hyperemesis gravidarum</li> <li>6. Neonatal resuscitation</li> <li>7. Placenta previa</li> <li>8. Postpartum infection</li> <li>9. Preeclampsia, eclampsia, and HELLP syndrome</li> <li>10. Preterm labor</li> <li>11. Threatened/spontaneous abortion</li> <li>12. Obstetric trauma</li> </ol>   |           |
| <b>5. Mental Health Emergencies</b>  | <b>11</b> |
| <ol style="list-style-type: none"> <li>A. Aggressive and violent behavior</li> <li>B. Anxiety disorders (e.g., PTSD, anxiety, panic attack)</li> <li>C. Mood disorders (e.g., bipolar, depression)</li> <li>D. Homicidal and Suicidal ideation</li> <li>E. Thought disorders (e.g., psychosis, schizophrenia)</li> <li>F. Situational crisis (e.g., terminal diagnosis, job loss, relationship issues, unexpected death)</li> <li>G. Intentional overdose and ingestions</li> </ol>  |           |
| <b>6. Medical Emergencies</b>  | <b>14</b> |
| <ol style="list-style-type: none"> <li>A. Allergic reactions and anaphylaxis</li> <li>B. Hematologic disorders</li> <li>C. Electrolyte and fluid imbalance</li> <li>D. Endocrine disorders</li> <li>E. Immunocompromise (e.g., HIV/AIDS, oncology/chemotherapy, transplant patient)</li> <li>F. Renal failure</li> <li>G. Sepsis</li> <li>H. Hypovolemic and distributive shock</li> <li>I. Substance use and abuse (e.g., alcohol and drug interactions, side effects, unintentional overdose)</li> <li>J. Withdrawal syndrome</li> </ol> |           |



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|  |           |
|--|-----------|
| <b>7. Musculoskeletal and Wound Emergencies</b>  | <b>13</b> |
| <b>A. Musculoskeletal</b>  |           |
| <ol style="list-style-type: none"> <li>1. Amputation</li> <li>2. Compartment syndrome</li> <li>3. Ligament tendon injuries (e.g., sprains, strains, ruptures)</li> <li>4. Fractures (e.g., open, closed, fat embolus)</li> <li>5. Dislocations</li> <li>6. Inflammatory conditions (e.g., costochondritis)</li> <li>7. Osteomyelitis</li> </ol>  |           |
| <b>B. Wound</b>  |           |
| <ol style="list-style-type: none"> <li>1. Avulsions and degloving injuries</li> <li>2. Wound infections</li> <li>3. Injection injuries (e.g., grease gun, paint gun)</li> <li>4. Lacerations</li> <li>5. Penetrating injuries (e.g., guns, nail guns)</li> <li>6. Wound bleeding (e.g., uncontrolled external hemorrhage)</li> </ol>   |           |
| <b>8. Maxillofacial and Ocular Emergencies</b>   | <b>11</b> |
| <b>A. Maxillofacial</b>  |           |
| <ol style="list-style-type: none"> <li>1. Abscess (e.g., peritonsillar, dental)</li> <li>2. Epistaxis</li> <li>3. Facial nerve disorders (e.g., Bell's palsy, trigeminal neuralgia)</li> <li>4. Maxillofacial infections (e.g., Ludwig's angina, otitis, sinusitis, mastoiditis)</li> <li>5. Acute vestibular dysfunction (e.g., labyrinthitis, Ménière's disease)</li> <li>6. Maxillofacial trauma</li> </ol> |           |
| <b>B. Ocular</b>   |           |
| <ol style="list-style-type: none"> <li>1. Abrasions</li> <li>2. Burns</li> <li>3. Foreign bodies</li> <li>4. Increased intraocular pressure</li> <li>5. Ocular infections (e.g., conjunctivitis, iritis)</li> <li>6. Retinal artery occlusion</li> <li>7. Retinal detachment</li> <li>8. Ocular trauma (e.g., hyphema, laceration, globe rupture)</li> <li>9. Ulcerations and keratitis</li> </ol>             |           |



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|  |           |
|--|-----------|
| <b>9. Environment and Toxicology Emergencies, and Communicable Diseases</b>  | <b>14</b> |
| <b>A. Environment</b>  |           |
| <ol style="list-style-type: none"> <li>1. Burns</li> <li>2. Chemical exposure (e.g., organophosphates, cleaning agents)</li> <li>3. Electrical injuries</li> <li>4. Envenomation emergencies</li> <li>5. Submersion injury</li> <li>6. Temperature-related emergencies</li> <li>7. Animal bites (e.g., rabies, infection)</li> </ol> |           |
| <b>B. Toxicology</b>   |           |
| <ol style="list-style-type: none"> <li>1. Acids and alkalis</li> <li>2. Carbon monoxide</li> <li>3. Cyanide</li> </ol>   |           |
| <b>C. Communicable Diseases</b>  |           |
| <ol style="list-style-type: none"> <li>1. <i>C. Difficile</i></li> <li>2. Vaccine-preventable diseases (e.g., measles, mumps, pertussis, chicken pox, diphtheria)</li> <li>3. Influenza</li> <li>4. Multi-drug resistant organisms (e.g., MRSA, VRE)</li> <li>5. Tuberculosis</li> <li>6. Hemorrhagic fevers</li> </ol>              |           |
| <b>10. Professional Issues</b>   | <b>14</b> |
| <b>A. Nurse</b>  |           |
| <ol style="list-style-type: none"> <li>1. Ethical dilemmas</li> <li>2. Evidence-based practice</li> <li>3. Lifelong learning</li> <li>4. Impaired nurse and drug diversion</li> <li>5. Workplace violence</li> <li>6. Stress management (e.g., burnout, compassion fatigue, PTSD)</li> <li>7. Just Culture</li> </ol>                |           |
| <b>B. Patient</b>  |           |
| <ol style="list-style-type: none"> <li>1. Discharge planning</li> <li>2. End-of-life and Palliative Care (e.g., organ and tissue donation, advance directives, care withholding, family presence)</li> <li>3. Forensic evidence collection</li> <li>4. Pain management and procedural sedation</li> </ol>                            |           |

|    |  | Total Items |
|--|--|-------------|
| <p align="center"><b>Certified Emergency Nurse (CEN)<br/>Examination Content Outline</b></p>   |  |             |
| <ul style="list-style-type: none"> <li>5. Patient safety</li> <li>6. Patient satisfaction</li> <li>7. Transfer and stabilization</li> <li>8. Transitions of care</li> <li>9. Cultural considerations (e.g., interpretive services, privacy, decision making)</li> <li>10. Abuse and neglect</li> <li>11. Human trafficking</li> <li>12. Gender equity (e.g., inclusion, gender transition)</li> </ul>                            |  |             |
| <b>C. System</b>   |  |             |
| <ul style="list-style-type: none"> <li>1. Delegation of tasks to assistive personnel</li> <li>2. Disaster management</li> <li>3. Mass casualty</li> <li>4. Federal regulations (e.g., HIPAA, EMTALA)</li> <li>5. Patient consent for treatment</li> <li>6. Performance and process improvement</li> <li>7. Risk management</li> <li>8. Symptom surveillance (e.g., mandatory reporting of diseases, symptom clusters)</li> </ul> |  |             |
| <b>D. Triage</b>   |  |             |
| <b>Total</b>   |  | <b>150</b>  |