<inst>**CHAPTER** </inst><?PearsonxmlValidateVersion 9.4.2?><?cplVersion 6.5.2.015?><chapter id="ch19" prefix="CHAPTER" label="19"><inst>**19**</inst>

<title id="ch19.title">Diabetic Emergencies and Altered Mental Status</title>

<grp role="application"><title>**Handout 19-1**<inst>**:** </inst></title><subtitle>Evaluating Content Mastery</subtitle><authorgroup><author><name><inst> </inst>Student’s Name</name></author></authorgroup>

<inst>EVALUATION

<grp role="label"><para></para></grp><division id="ch19div1sec04"><title id="ch19div1sec04.title">**Chapter 19 Quiz**</title>

<problemset><instruction><para>***Write the letter of the best answer in the space provided.***</para></instruction>

<mc-problem label="1" maxpoints="1"><inst>\_\_\_\_\_\_ **1.** </inst><question><para>Insulin can best be described as a(n):</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>amino acid.</para></answer><answer label="C"><inst> **C.** </inst><para>blood sugar.</para></answer>

<answer label="B"><inst> **B.** </inst><para>hormone.</para></answer><answer label="D"><inst> **D.** </inst><para>platelet.</para></answer></answers></mc-problem>

<mc-problem label="2" maxpoints="1"><inst>\_\_\_\_\_\_ **2.** </inst><question><para>The organ(s) responsible for the production of insulin is(are) the:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>liver.</para></answer><answer label="C"><inst> **C.** </inst><para>pancreas.</para></answer>

<answer label="B"><inst> **B.** </inst><para>kidneys.</para></answer><answer label="D"><inst> **D.** </inst><para>spleen.</para></answer></answers></mc-problem>

<mc-problem label="3" maxpoints="1"><inst>\_\_\_\_\_\_ **3.** </inst><question><para>All the following are signs or symptoms commonly associated with a diabetic emergency <emphasis>except:</emphasis></para></question>

<answers><answer label="A"><inst> **A.** </inst><para>an elevated heart rate.</para></answer><answer label="C"><inst> **C.** </inst><para>seizures.</para></answer>

<answer label="B"><inst> **B.** </inst><para>combativeness.</para></answer><answer label="D"><inst> **D.** </inst><para>hot, dry skin.</para></answer></answers></mc-problem>

<mc-problem label="4" maxpoints="1"><inst>\_\_\_\_\_\_ **4.** </inst><question><para>The mnemonic used to assess the mental status of a diabetic patient is:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>SAMPLE.</para></answer><answer label="C"><inst> **C.** </inst><para>DCAPBTLS.</para></answer>

<answer label="B"><inst> **B.** </inst><para>AVPU.</para></answer><answer label="D"><inst> **D.** </inst><para>OPQRST.</para></answer></answers></mc-problem>

<mc-problem label="5" maxpoints="1"><inst>\_\_\_\_\_\_ **5.** </inst><question><para>Glucose is administered by the EMT in the form of a:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>tablet.</para></answer><answer label="C"><inst> **C.** nasal spray</inst><para>nas.</para></answer>

<answer label="B"><inst> **B.** </inst><para>liquid for injection.</para></answer><answer label="D"><inst> **D.** </inst><para>gel.</para></answer></answers></mc-problem>

<mc-problem label="6" maxpoints="1"><inst>\_\_\_\_\_\_ **6.** </inst><question><para>The route by which glucose is administered is:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>orally.</para></answer><answer label="C"><inst> **C.** </inst><para>subcutaneously.</para></answer>

<answer label="B"><inst> **B.** </inst><para>intravenously.</para></answer><answer label="D"><inst> **D.** </inst><para>intramuscularly.</para></answer></answers></mc-problem>

<mc-problem label="7" maxpoints="1"><inst>\_\_\_\_\_\_ **7.** </inst><question><para>The type of diabetes that requires a patient to inject supplemental doses of insulin is:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>type I.</para></answer><answer label="C"><inst> **C.** </inst><para>maturity-onset diabetes.</para></answer>

<answer label="B"><inst> **B.** </inst><para>type II.</para></answer><answer label="D"><inst> **D.** </inst><para>diabetic ketoacidosis.</para></answer></answers></mc-problem>

<mc-problem label="8" maxpoints="1"><inst>\_\_\_\_\_\_ **8.** </inst><question><para>If a patient drinks large amounts of water, has acetone breath, and has warm skin, you would suspect:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>hypoglycemia.</para></answer><answer label="C"><inst> **C.** </inst><para>hyperglycemia.</para></answer>

<answer label="B"><inst> **B.** </inst><para>epilepsy.</para></answer><answer label="D"><inst> **D.** </inst><para>stroke.</para></answer></answers></mc-problem>

<mc-problem label="9" maxpoints="1"><inst>\_\_\_\_\_\_ **9.** </inst><question><para>The most common cause of seizures in infants and children six months to three years of age is:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>congenital brain defects.</para></answer><answer label="C"><inst> **C.** </inst><para>fever.</para></answer>

<answer label="B"><inst> **B.** </inst><para>traumatic head injuries.</para></answer><answer label="D"><inst> **D.** </inst><para>hypoxia.</para></answer></answers></mc-problem>

<mc-problem label="10" maxpoints="1"><inst>\_\_\_\_\_\_ **10.** </inst><question><para> The condition in which a person has a temporary loss of consciousness with spontaneous recovery is called<emphasis:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>atrophy.</para></answer><answer label="C"><inst> **C.** </inst><para>unresponsiveness.</para></answer>

<answer label="B"><inst> **B.** </inst><para>syncope.</para></answer><answer label="D"><inst> **D.** </inst><para>dizziness.</para></answer></answers></mc-problem>

<mc-problem label="11" maxpoints="1"><inst>\_\_\_\_\_\_ **11.** </inst><question><para>The type of seizure characterized by unconsciousness and major motor activity is called:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>complex partial seizure.</para></answer><answer label="C"><inst> **C.** </inst><para>Jacksonian seizure.</para></answer>

<answer label="B"><inst> **B.** </inst><para>focal sensory seizure.</para></answer><answer label="D"><inst> **D.** </inst><para>tonic-clonic seizure.</para></answer></answers></mc-problem>

<mc-problem label="12" maxpoints="1"><inst>\_\_\_\_\_\_ **12.** </inst><question><para>The phase of a tonic-clonic seizure in which the body jerks about violently is the:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>tonic phase.</para></answer><answer label="C"><inst> **C.** </inst><para>postictal phase.</para></answer>

<answer label="B"><inst> **B.** </inst><para>clonic phase.</para></answer><answer label="D"><inst> **D.** </inst><para>petit mal phase.</para></answer></answers></mc-problem>

<mc-problem label="13" maxpoints="1"><inst>\_\_\_\_\_\_ **13.** </inst><question><para>The condition in which a stroke severely limits a patient’s ability to use words is called:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>ischemia.</para></answer><answer label="C"><inst> **C.** </inst><para>aphasia.</para></answer>

<answer label="B"><inst> **B.** </inst><para>dyspnea.</para></answer><answer label="D"><inst> **D.** </inst><para>syncope.</para></answer></answers></mc-problem>

<mc-problem label="14" maxpoints="1"><inst>\_\_\_\_\_\_ **14.** </inst><question><para>If a patient exhibits impaired speech, numbness on one side of the body, and sagging facial muscles, you would suspect:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>hypoglycemia.</para></answer><answer label="C"><inst> **C.** </inst><para>hyperglycemia.</para></answer>

<answer label="B"><inst> **B.** </inst><para>epilepsy.</para></answer><answer label="D"><inst> **D.** </inst><para>a stroke.</para></answer></answers></mc-problem>

<mc-problem label="15" maxpoints="1"><inst>\_\_\_\_\_\_ **15.** </inst><question><para>An unconscious patient suffering from a stroke should be transported:</para></question>

<answers><answer label="A"><inst> **A.** </inst><para>in a prone position.</para></answer><answer label="C"><inst> **C.** </inst><para>with feet elevated.</para></answer>

<answer label="B"><inst> **B.** </inst><para>on her side.</para></answer><answer label="D"><inst> **D.** </inst><para>in a tripod position.</para></answer></answers></mc-problem></problemset></division></grp>

<grp role="application"><title>**Handout 19-2:**<inst> </inst></title><subtitle>Reinforcing Content Mastery</subtitle><authorgroup><author><name><inst> </inst>Student’s Name</name></author></authorgroup>

<inst>REINFORCEMENT</inst>

<grp role="label"><para></para></grp><division id="ch19div1sec05"><title id="ch19div1sec05.title">**In the Field**</title>

<problemset><instruction><para>***Read the following real-life situation. Then answer the questions that follow.***</para></instruction></problemset>

<vignette><para>The emergency medical dispatcher sends you to the MacKenzies’ residence on 2648 Mountain View Road. Upon your arrival, the patient’s granddaughter leads you and your partner into the living room. You observe a female patient in her late 60s or early 70s sitting on the sofa. The patient appears confused and is slurring her speech.</para>

<para>Your partner introduces herself, then completes a quick physical assessment. The patient exhibits drooping facial muscles and right-sided paralysis. Her pupils are unequal in size. Vital signs include a pulse rate of 120 and blood pressure of 160/80 mmHg.</para>

<problemset><general-problem label="1." maxpoints="1" type="genq"><inst> **1.** </inst><question><para>What condition do these signs and symptoms suggest?</para></question></general-problem>

<general-problem label="2." maxpoints="1" type="genq"><inst> **2.** </inst><question><para>What typically causes this condition?</para></question></general-problem>

<general-problem label="3." maxpoints="1" type="genq"><inst> **3.** </inst><question><para>What patient care measures should you take with this patient?</para></question></general-problem>

<general-problem label="4." maxpoints="1" type="genq"><inst> **4.** </inst><question><para>How would you transport this patient?</para></question></general-problem></problemset></vignette></division></grp>

<grp role="application"><title>**Handout 19-3**<inst>**:** </inst></title><subtitle>Reinforcing Content Mastery</subtitle><authorgroup><author><name><inst> </inst>Student’s Name</name></author></authorgroup>

<grp role="label"><para></para></grp><division id="ch19div1sec06"><title id="ch19div1sec06.title">**Chapter 19 Review**</title>

<problemset><instruction><para>***Write the word or words that best complete each sentence in the space provided.***</para></instruction>

<orderedlist numeration="arabic" spacing="normal" inheritnum="ignore" role="para" continuation="restarts"><listitem><para><inst> **1.** </inst>The body’s basic source of energy is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol>.</para></listitem>

<listitem><para><inst> **2.** </inst>Blood sugar cannot pass from the bloodstream into the body’s cells without a hormone known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol>.</para></listitem>

<listitem><para><inst> **3.** </inst>If, for some reason, insulin production \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol>, glucose remains in circulation, increasing the concentration of sugar in the blood.</para></listitem>

<listitem><para><inst> **4.** </inst>The most common medical emergency for the diabetic is a condition called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol>, or low blood sugar.</para></listitem>

<listitem><para><inst> **5.** </inst>Quick administration of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol>, when it can be done without threatening the airway, is critical to the outcome of a hypoglycemic emergency.</para></listitem>

<listitem><para><inst> **6.** </inst>Document the mental status of a diabetic patient using the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol> scale.</para></listitem>

<listitem><para><inst> **7.** </inst>To administer oral glucose to a patient who is awake, an EMT should use a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol>.</para></listitem>

<listitem><para><inst> **8.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_</inst><inlinewol type="wol1"><inst></inst></inlinewol> diabetes can often be controlled without supplemental insulin through supervised diet and oral medication.</para></listitem>

<listitem><para><inst> **9.** </inst>The condition in which a diabetic suffers from overly high blood sugar is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol>.</para></listitem>

<listitem><para><inst> **10.** </inst>When the normal electrical activity of the brain becomes irregular because of injury, infection, or disease, a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol> may result.</para></listitem>

<listitem><para><inst> **11.** </inst>The most common cause of seizures in infants and children six months to three years old is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol>.</para></listitem>

<listitem><para><inst> **12.** </inst>Never place anything in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol> of a seizure patient.</para></listitem>

<listitem><para><inst> **13.** </inst>Two or more convulsive seizures lasting 5 to 10 minutes or more is defined as the condition called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol>.</para></listitem>

<listitem><para><inst> **14.** </inst>The type of seizure characterized by unconsciousness and major motor activity is called a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst> - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_</inst></inlinewol> seizure.</para></listitem>

<listitem><para><inst> **15.** </inst>A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_<inlinewol type="wol1"><inst></inst></inlinewol> takes place when an artery in the brain ruptures or becomes blocked.</para></listitem></orderedlist></problemset></division></grp>

<grp role="application"><title>**Handout 19-4**<inst>**:** </inst></title><subtitle>Reinforcing Content Mastery</subtitle><authorgroup><author><name><inst> </inst>Student’s Name</name></author></authorgroup>

<grp role="label"><para></para></grp><division id="ch19div1sec07"><title id="ch19div1sec07.title">**Listing the Basics of Diabetic Emergencies**</title>

<problemset><instruction><para>***Complete the following lists.***</para></instruction>

<orderedlist numeration="arabic" spacing="normal" inheritnum="ignore" role="para" continuation="restarts"><listitem><para><inst> **1.** </inst>List four common causes of hypoglycemia.</para>

<para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para></listitem><listitem><para><inst> **2.** </inst>List the four main steps in the assessment of a diabetic emergency.</para>

<para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para></listitem><listitem><para><inst> **3.** </inst>List the four categories that can cause dizziness and syncope.</para>

<para><inlinewol type="wol1"><inst></inst></inlinewol><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para></listitem><listitem><para><inst>**4.** </inst>List the three criteria for administering glucose to a diabetic patient.</para>

<para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para></listitem><listitem><para><inst> **5.** </inst>List the four steps in the administration of glucose.</para>

<para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para><para><inlinewol type="wol1"><inst></inst></inlinewol></para></listitem></orderedlist></problemset></division></grp><grp role="application"><title>**Handout 19-5:**<inst> </inst></title><subtitle>Reinforcing Content Mastery</subtitle><authorgroup><author><name><inst> </inst>Student’s Name</name></author></authorgroup>

<grp role="label"><para></para></grp><division id="ch19div1sec08"><title id="ch19div1sec08.title">**Classifying the Signs and Symptoms of Altered Mental Status**</title>

<problemset><instruction><para>***Use the following chart to classify the signs and symptoms that you would expect to find with patients experiencing altered mental status.***</para></instruction>

|  |  |  |  |
| --- | --- | --- | --- |
| <informaltable id="informaltable2" float="0" frame="none"><tgroup cols="4" colsep="0" rowsep="0" align="left"><colspec colnum="1" colname="c1" align="left" colwidth="25"/><colspec colnum="2" colname="c2" align="left" colwidth="25"/><colspec colnum="3" colname="c3" align="left" colwidth="25"/><colspec colnum="4" colname="c4" align="left" colwidth="25"/><spanspec spanname="s1" namest="c1" nameend="c4" align="left"/><thead><row><entry valign="top"><para>**System**</para></entry> | <entry valign="top"><para>**Hyperglycemia**</para></entry> | <entry valign="top"><para>**Hypoglycemia**</para></entry> | <entry valign="top"><para>**Stroke**</para></entry></row></thead> |
| <tbody><row><entry valign="top"><para>**Onset**</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry spanname="s1" valign="top"><division id="ch19div1sec09"><title id="ch19div1sec09.title">**Cardiovascular**</title></division></entry></row> |
| <row><entry valign="top"><para>Pulse</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry valign="top"><para>Blood Pressure</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry valign="top"><para>Skin</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry spanname="s1" valign="top"><division id="ch19div1sec10"><title id="ch19div1sec10.title">**Respiratory**</title></division></entry></row> |
| <row><entry valign="top"><para>Respirations</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry valign="top"><para>Breath Odor</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry spanname="s1" valign="top"><division id="ch19div1sec11"><title id="ch19div1sec11.title">**Nervous**</title></division></entry></row> |
| <row><entry valign="top"><para>Headache</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry valign="top"><para>Mental Status</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry valign="top"><para>Seizures</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry spanname="s1" valign="top"><division id="ch19div1sec12"><title id="ch19div1sec12.title">**Gastrointestinal**</title></division></entry></row> |
| <row><entry valign="top"><para>Mouth</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry valign="top"><para>Vomiting</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry valign="top"><para>Abdominal Pain</para></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row> |
| <row><entry valign="top"><division id="ch19div1sec13"><title id="ch19div1sec13.title">**Ocular Vision**</title></division></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry> | <entry valign="top"><para/></entry></row></tbody></tgroup></informaltable> |

<link linkend="informaltable2" preference="1" role="generated"></link></problemset></division></grp><answerset><title>**Chapter 19 Answer Key**</title>

<division id="ch19div1sec14"><title id="ch19div1sec14.title">**Handout 19-1:**</title> <para><link linkend="ch19" preference="0">Chapter 19<xref linkend="ch19" label="19"><inst>19</inst></xref></link> Quiz</para><answerset>

<answer label="1" type="ans"><inst> **1.** </inst><para>B</para></answer>

<answer label="2" type="ans"><inst> **2.** </inst><para>C</para></answer>

<answer label="3" type="ans"><inst> **3.** </inst><para>D</para></answer>

<answer label="4" type="ans"><inst> **4.** </inst><para>B</para></answer>

<answer label="5" type="ans"><inst> **5.** </inst><para>D</para></answer>

<answer label="6" type="ans"><inst> **6.** </inst><para>A</para></answer>

<answer label="7" type="ans"><inst> **7.** </inst><para>A</para></answer>

<answer label="8" type="ans"><inst> **8.** </inst><para>C</para></answer>

<answer label="9" type="ans"><inst> **9.** </inst><para>C</para></answer>

<answer label="10" type="ans"><inst> **10.** </inst><para>B</para></answer>

<answer label="11" type="ans"><inst> **11.** </inst><para>D</para></answer>

<answer label="12" type="ans"><inst> **12.** </inst><para>B</para></answer>

<answer label="13" type="ans"><inst> **13.** </inst><para>C</para></answer>

<answer label="14" type="ans"><inst> **14.** </inst><para>D</para></answer>

<answer label="15" type="ans"><inst> **15.** </inst><para>B</para></answer></answerset></division>

<division id="ch19div1sec15"><title id="ch19div1sec15.title">**HAndout** **19-2:**</title><para>In the Field</para><answerset>

<answer label="1" type="ans"><inst> **1.** </inst><para>A stroke</para></answer>

<answer label="2" type="ans"><inst> **2.** </inst><para>Causes are <emphasis role="strong">**(a)**</emphasis> when an artery in the brain becomes blocked, preventing oxygenated blood from reaching the areas supplied by the artery, or <emphasis role="strong">**(b)**</emphasis> when an artery ruptures, causing bleeding into the brain.</para></answer>

<answer label="3" type="ans"><inst> **3.** </inst><para>Ensure an open airway; Administer high-concentration oxygen; Calm the patient; Transport.</para></answer>

<answer label="4" type="ans"><inst> **4.** </inst><para>In a semi-sitting position</para></answer></answerset></division>

<division id="ch19div1sec16"><title id="ch19div1sec16.title">**HANdout** **19-3:**</title> <para><link linkend="ch19" preference="0">Chapter 19<xref linkend="ch19" label="19"><inst>19</inst></xref></link> Review</para><answerset>

<answer label="1" type="ans"><inst> **1.** </inst><para>glucose</para></answer>

<answer label="2" type="ans"><inst> **2.** </inst><para>insulin</para></answer>

<answer label="3" type="ans"><inst> **3.** </inst><para>decreases</para></answer>

<answer label="4" type="ans"><inst> **4.** </inst><para>hypoglycemia</para></answer>

<answer label="5" type="ans"><inst> **5.** </inst><para>glucose</para></answer>

<answer label="6" type="ans"><inst> **6.** </inst><para>AVPU</para></answer>

<answer label="7" type="ans"><inst> **7.** </inst><para>tongue depressor</para></answer>

<answer label="8" type="ans"><inst> **8.** </inst><para>Type II</para></answer>

<answer label="9" type="ans"><inst> **9.** </inst><para>hyperglycemia</para></answer>

<answer label="10" type="ans"><inst> **10.** </inst><para>seizure</para></answer>

<answer label="11" type="ans"><inst> **11.** </inst><para>high fever</para></answer>

<answer label="12" type="ans"><inst> **12.** </inst><para>mouth</para></answer>

<answer label="13" type="ans"><inst> **13.** </inst><para>status epilepticus</para></answer>

<answer label="14" type="ans"><inst> **14.** </inst><para>tonic-clonic</para></answer>

<answer label="15" type="ans"><inst> **15.** </inst><para>stroke</para></answer></answerset></division>

<division id="ch19div1sec17"><title id="ch19div1sec17.title">**HAndout** **19-4:**</title> <para>Listing the Basics of Diabetic Emergencies</para><answerset>

<answer label="1" type="ans"><inst> **1.** </inst><para>Hypoglycemia may result when a patient takes too much insulin, reduces sugar intake by not eating, overexercises and uses sugar faster than usual, or vomits a meal and empties the stomach of sugar.</para></answer>

<answer label="2" type="ans"><inst> **2.** </inst><para>Perform the initial assessment; Perform a focused history and physical exam; Determine if the patient is alert enough to be able to swallow; Take baseline vital signs</para></answer>

<answer label="3" type="ans"><inst> **3.** </inst><para>Hypovolemic; Metabolic; Environmental; Cardiovascular</para></answer>

<answer label="4" type="ans"><inst> **4.** </inst><para>The patient has a history of diabetes; The patient’s mental status is altered; The patient is awake enough to swallow</para></answer>

<answer label="5" type="ans"><inst> **5.** </inst><para>Ensure signs and symptoms of altered mental status with a known history of diabetes; Ensure the patient is conscious; Administer glucose; Perform ongoing assessment</para></answer></answerset></division>

<division id="ch19div1sec18"><title id="ch19div1sec18.title">**HAndout** **19-5:** </title><para>Classifying the Signs and Symptoms of Altered Mental Status</para><answerset>

<answer><para><emphasis role="strong">**Hyperglycemia:**</emphasis> Onset—slow; Pulse—rapid; Blood Pressure—low; Skin—warm, red, dry; Respirations—deep and rapid; Breath Odor—acetone odor; Headache—absent; Mental Status—restlessness, unconsciousness; Seizures—absent; Mouth—dry, intense thirst; Vomiting—common; Abdominal Pain—frequent; Ocular Vision—dim</para></answer>

<answer><para><emphasis role="strong">**Hypoglycemia:**</emphasis> Onset—sudden; Pulse—normal (may be rapid); Blood Pressure—normal; Skin—cold, pale, moist; Respirations—normal or shallow; Breath Odor—not distinctive; Headache—present; Mental Status—intoxicated appearance, anxious, combative, unconsciousness; Seizures—possible; Mouth—drooling, slurred speech; Vomiting—uncommon; Abdominal Pain—absent; Ocular Vision—double vision (diplopia)</para></answer>

<answer><para><emphasis role="strong">**Stroke:**</emphasis> Onset—sudden; Pulse—normal; Blood Pressure—normal; Skin—cool and clammy; Respirations—difficult, snoring; Breath Odor—not distinctive; Headache—possible but uncommon; Mental Status—dizziness, confusion, unconsciousness; Seizures—possible; Mouth—one-sided facial droop with drooling, slurred speech; Vomiting—possible; Abdominal Pain—absent; Ocular Vision—unequal pupils, impaired vision</para></answer></answerset></division></answerset></section></chapter>