**Suggested Answers to Assignments, Chapter 28, Basic Body Structure and Function**

| Written Assignment | Learning Objective(s) |
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| Assignment #1. Students complete Chapter 28 of *Lippincott Workbook for Nursing Assistants*. | 1–5 |

| Group Assignments | Learning Objective(s) |
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| Assignment #1. Students’ responses should include:   * Scenario 1   + Sweat is lost trying to cool the body   + Thirst tells you the body needs more water   + The body maintains fluid balance * Scenario 2   + Your respiratory and cardiovascular systems are working to send extra oxygen to the body’s tissues | 3 |
| Assignment #2. Students’ responses should include:   1. Integumentary system  * Skin, glands, hair, nails * Protects the body  1. Skeletal system  * Bones * Provides a frame and gives the body shape  1. Muscular system  * Muscles * Works with the skeletal system to enable movement  1. Respiratory system  * Lungs and airways * Allows oxygen to enter, and carbon dioxide to exit  1. Cardiovascular system  * Blood, heart, and blood vessels * Transports nutrients and oxygen to cells and carries waste products away  1. Nervous system  * Brain, spinal cord, and nerves * Controls the functioning of other organ systems and allows interaction with the environment through special senses  1. Endocrine system  * Glands located in certain areas of the body (hypothalamus, pituitary, thyroid, parathyroid, pancreas, thymus, adrenal glands, ovaries, testes) * Secretes hormones which control the function of certain organs  1. Digestive system  * Teeth, salivary glands, tongue, esophagus, stomach, small intestine, large intestine, liver, pancreas, gallbladder * Takes in food and water, digests food into nutrients, absorbs nutrients into the bloodstream, and removes solid waste in the form of feces  1. Urinary system  * Kidneys, ureters, bladder, urethra * Removes liquid waste in the form of urine  1. Reproductive system  * Allows the human to produce new life | 1, 2 |

| Clinical Assignment | Learning Objective(s) |
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| Assignment #1. Students list the diagnoses of the residents or patients they are caring for. Discussion should include:   * Disease categories   + Infectious   + Degenerative   + Nutritional   + Metabolic (endocrine)   + Immune   + Neoplastic   + Psychiatric * Risk factors   + Age   + Sex   + Heredity   + Lifestyle   + Occupation   + Chronic disease   + Emotional health | 5 |

| Web Assignment | Learning Objective(s) |
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| Assignment #1. Students can enter “disease and lifestyle” to find such web sites such as:  <http://www.wisegeek.com/what-are-lifestyle-diseases.htm> | 5 |