1. Processes contain the business \_\_\_\_\_ that transform data and produce the required results.

a. logic  
b. dictionary

1. structures
2. records

Analysis:

a. Correct.

b. Incorrect. See [Page 181]

c. Incorrect. See [Page 181]

d. Incorrect. See [Page 181]

1. A data \_\_\_\_\_, which is represented as a line with a single or double arrow on a DFD, is a path for data to move from one part of an information system to another.

a. element  
b. repository

1. store
2. flow

Analysis:

a. Incorrect. See [Page 182]

b. Incorrect. See [Page 182]

c. Incorrect. See [Page 182]

d. Correct.

1. On lower-level DFDs with multiple processes, it is recommended that no more than \_\_\_\_\_ process symbols be included.
2. 6
3. 7
4. 8
5. 9

Analysis:

a. Incorrect. See [Page 187]

b. Incorrect. See [Page 187]

c. Incorrect. See [Page 187]

d. Correct.

1. When a data flow diagram is partitioned, the higher-level diagram is referred to as the \_\_\_\_\_ diagram.
2. control
3. context
4. parent
5. child

Analysis:

a. Incorrect. See [Page 191]

b. Incorrect. See [Page 191]

c. Correct.

d. Incorrect. See [Page 191]

1. Complex systems, which have many processes, require analysts to create lower-level DFDs until all processes are identified as \_\_\_\_\_.
2. control structures
3. types
4. functional primitives
5. sinks

Analysis:

a. Incorrect. See [Page 192-193]

b. Incorrect. See [Page 192-193]

c. Correct.

d. Incorrect. See [Page 192-193]

1. A(n) \_\_\_\_\_, also known as a data structure, is a meaningful combination of related data elements that is included in a data flow or retained in a data store.
2. field
3. record
4. logical structure
5. domain

Analysis:

a. Incorrect. See [Page 197]

b. Correct.

c. Incorrect. See [Page 197]

d. Incorrect. See [Page 197]

1. \_\_\_\_\_, which is an attribute that is recorded and described in a data dictionary, refers to whether a data element contains numeric, alphabetic, or character values.
2. Selection
3. Iteration
4. Type
5. Alias

Analysis:

a. Incorrect. See [Page 199]

b. Incorrect. See [Page 199]

c. Correct.

d. Incorrect. See [Page 199]

1. Modular design is based on combinations of three logical structures, which are called sequence, selection, and \_\_\_\_\_.
2. iteration
3. length
4. type
5. alias

Analysis:

a. Correct.

b. Incorrect. See [Page 204]

c. Incorrect. See [Page 204]

d. Incorrect. See [Page 204]

1. A process that continues to print payroll checks until it reaches the end of the payroll file is an example of \_\_\_\_\_.
2. balancing
3. looping
4. leveling
5. sequencing

Analysis:

a. Incorrect. See [Page 205]

b. Correct.

c. Incorrect. See [Page 205]

d. Incorrect. See [Page 205]

1. A(n) \_\_\_\_\_ table can be simplified because some rules might be duplicates, redundant, or unrealistic.
2. Yourdon
3. Gane and Sarson
4. diverging
5. multicondition

Analysis:

a. Incorrect. See [Page 207]

b. Incorrect. See [Page 207]

c. Incorrect. See [Page 207]

d. Correct.