

## Part I. Answer these questions by marking the best answer among the choices given:

1. Ensuring essential communication in medical devices includes ...
  - a) People working harder to communicate with each other
  - b) Employing redundant methods of communicating vital information
  - c) Sufficiently loud auditory alarm signal
2. In the real world, the medical devices are demanded to ...
  - a) Have a limited user workload
  - b) To be less rugged
  - c) To prioritize user input
3. People easily associate an turning a knob clockwise with an increase in the rate of gas flow because of ...
  - a) Operation training
  - b) Experience with similar devices
  - c) Conventional mapping
4. Designers of medical devices should refine their designs through ...
  - a) Usability testing
  - b) Electrical testing
  - c) Mechanical testing
5. Most medical device users like devices that are ...
  - a) Designed for hospital use only
  - b) Simple with only needed features
  - c) Equipped with many extra features
6. When buttons on the medical device front panel have both different labels and different colors, this is called ...
  - a) Device appeal
  - b) Robust critical controls
  - c) Redundant coding

## Part II. Mark the following statement as either True (T) or False (F):

7. Medical devices designed with multiple operational modes must clarify the present operating mode to the user.
8. When possible, medical monitoring device designs should help users forecast patient variables.
9. Usability test participants should include someone from the design team in addition to doctors and nurses.
10. Device user interface designs usually violate a human factors engineering guideline.
11. Medical device users always receive complete and proper training before using a given device.
12. Designers should treat warnings as the main option for preventing problems in medical devices.