

Used Samuel - 0.

Elect ECEC2

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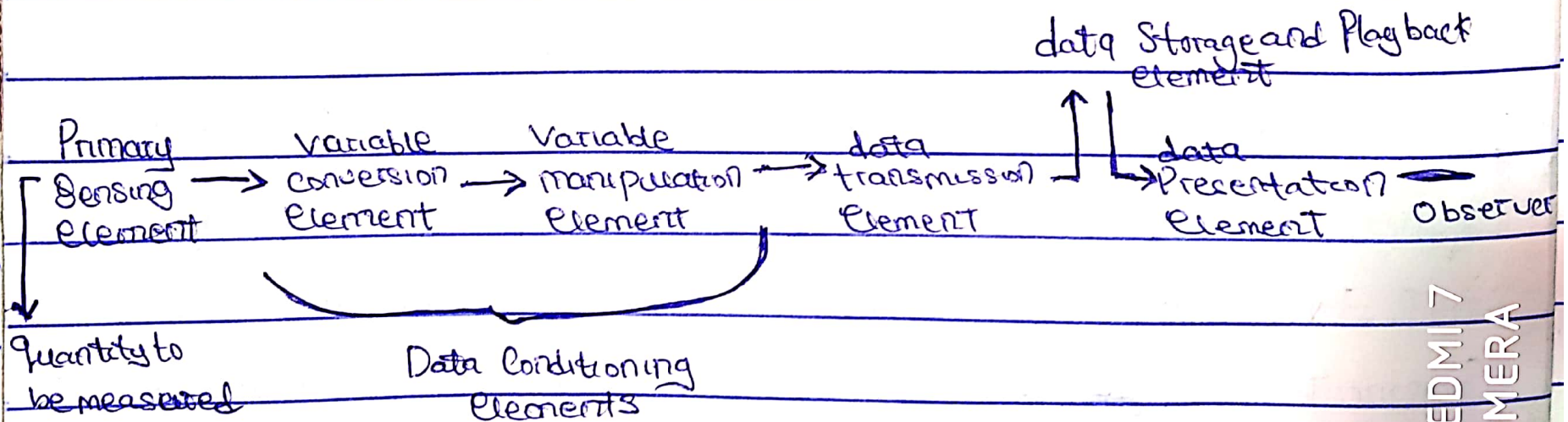
① Sensors for Biomedical Application:- Sensors are used to gain the information on the body and pathology. This is central to industrial applications being used for process control, monitoring and safety. Examples are analog sensors and digital sensors, IR sensor, ultrasonic sensors, pressure sensors, proximity sensors and so on.

Actuators for Biomedical Application:- ~~actuators~~ medical engineering and life-science disciplines have multi-faceted requirements for motion and positioning equipment! The spectrum spans from ultrasonic transducers to simple low-energy drive components to high-precision positioning systems and ultra-fast ~~actuators~~ devices for valve and pumping applications. These devices meet these needs and have a long track record of reliability and ruggedness in the industry which are actuators. Examples are micropumps, nebulizers, bubble detectors and pipettors.

QUESTION 2

The components of measurement / measuring instrument

- 1) Primary Sensing element - detector transducer
- 2) Variable Conversion element - Analog / digital Converter
- 3) Variable manipulation element - Voltage amplifier
- 4) Signal conditioning element - Signal Conditioning device
- 5) Data transmission element - Satellites
- 6) Data Presentation element - Ammeters, Voltmeter



Question 3

Bedpan - For patients who are unconscious or too weak to set up or walk to the toilet to defecate.

Gauze sponge - To absorb blood and other fluids as well as clean wounds