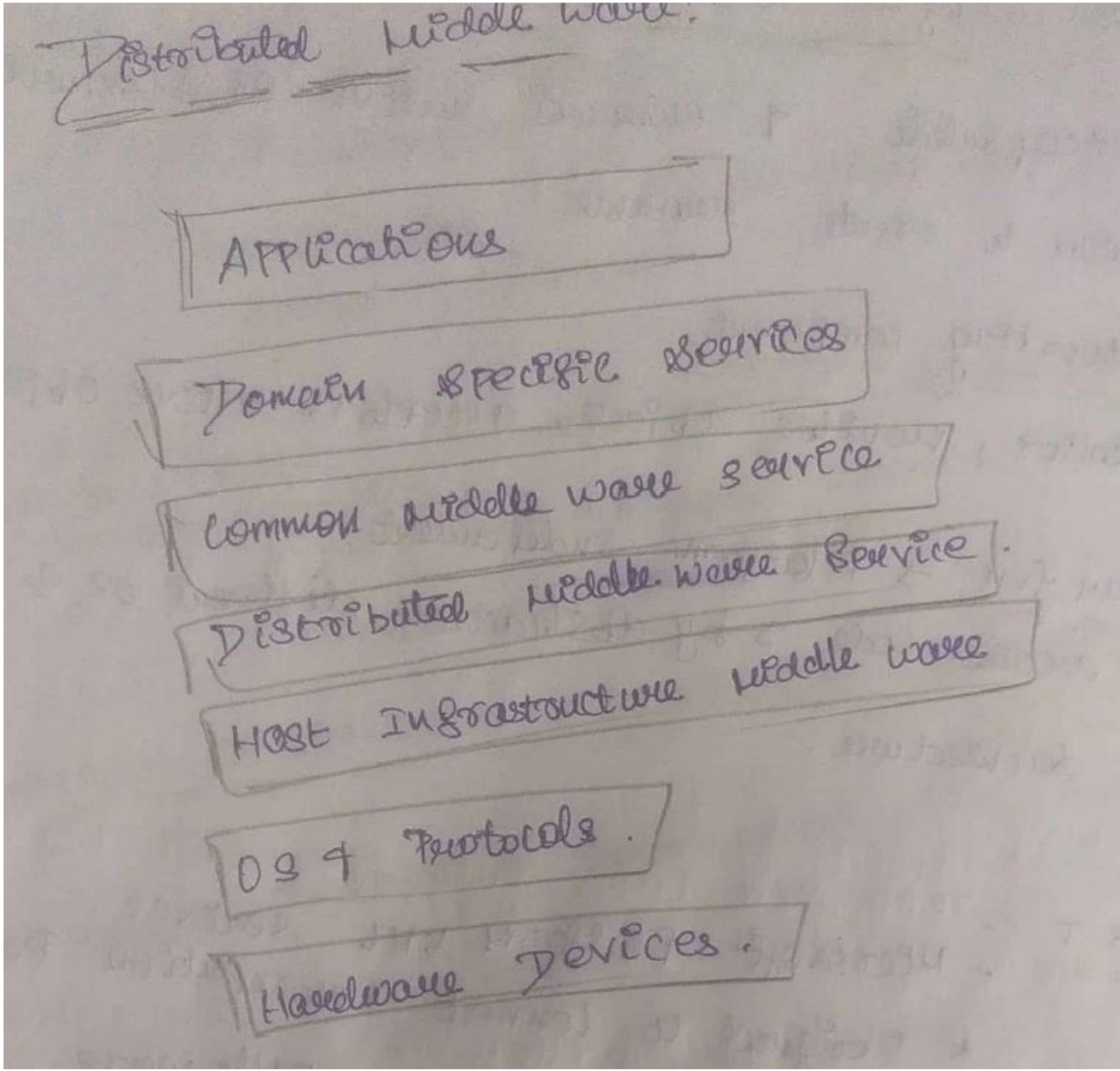


2M MARKS:

2) **RTCP: Real-time communication (RTC)** is a category of software protocols and communication hardware media that gives real-time guarantees, which is necessary to support real-time guarantees of real-time computing.[1] Real-time communication protocols are dependent not only on the validity and integrity of data transferred but also the timeliness of the transfer.

3)



4)

→ collaborative signal processing (csp)

* Signal processing (sp) is an Electrical Engg sub field forces on analysing, modifying & Synthesise signals such as sound, image, scientific measurement

csp & sp → process signals → to Extract info from that collaboration means work together

* csp → process signal to extract information from that

5) Data collection is the process of gathering and measuring information on variables of interest, in an established systematic fashion that enables one to answer stated research questions, test hypotheses, and evaluate outcomes.

6) sensors:

- a) automotive
- b) manufacturing
- c) Aviation
- d) Marine

actuators:

- a) Robotics
- b) BP monitoring
- c) Glucose level
- d) Home care

7) The clock synchronization can be achieved by 2 ways: External and Internal Clock Synchronization.

1. External clock synchronization is the one in which an external reference clock is present. It is used as a reference and the nodes in the system can set and adjust their time accordingly.

2. Internal clock synchronization is the one in which each node shares its time with other nodes and all the nodes set and adjust their times accordingly.