UI - How do the CISCO Reference model & dacte reberence architecture Correlate in an IoT architecture?

- How do the blocks to components in INT IBM Conceptual framework & oracle reference aschitecture correlate?

- What should setellence au hitecture Cover in IoT general Conceptual framework
 - What are three architectural domain functionalities in M2M architecture?
 - What are the open protocols, twols & frameworles generally used in MZM?
 - Collecte four layor orchitecture bears with seven herel IST architecture from

U.I. - list me features at CISCO Seberance merdes 294 = bist the Seculares et oruele seteresace andistatura -What does Mrm mean

- I. What is MEMS? What are the physical entoties which are sensed words an MEMS?
- 2. How are the Voltage inputs to ADC & sognal conditioning amplified designed when wing a sensor for temperature? How is the Sensed temperature Computed? Assume that the sensor measures temperature ahre between -10°C tond +40°C
 - 3. What does data-acquisition mean? What are the benefits of data acquisition by an application after data aggregation, compaction of fusion & enrichment data aggregation, compaction of fusion & enrichment of data takes place Isom a number of devices?
 - -4. What do you mean by date store? What are the different Schemes Ad a data store?
 - &. What does spotsal database mean? What are additional data fields that spotsal data posses?
 - 6. How are the analytics architechnelayers

 Wed in automotive Service Centre for Internet

 of automotive components?
 - 7. Roplain Data Informations Knowledge Wisdom
 Pyramid.

- How do you sense the things & identify product intermations using a bouloade seader? What are the applications of IsTs when wing ballode Bensons?
- 2. What is QR code? How doyou we QR code in the applications of IoTs?
- 3. How is industrial IoT used for predictive maintenance of machines in the Industry?
- 4. Draw an architectural diagram of the processes in automotive FoT to predictive & prevontive maintenance
 - 5. How is the webof things implemented?
- 6. How does a wrieless sensor criaist differ from 7. Blan the three-levyer architecture of a turneless
- sensor node. 8. What are the features of SQL
- 9. List the disserences between time-series dalabase System and ROBMS in Constructions
 - 10 What do batch transactions; streaming transactions L'seal-time transactories processor means.
 - 11. list the advantages of descreptive analytics at ACVMs dosta.
 - 12. How do predictive to prescriptive analytics differs

I when do you we am analog sensor & a digital sensor? 2. How is Sound sensed to voice recognized? 3. How is the motion of a moving object sensed 4. List the merits of participatory sonsing. 5. list the applications do industrial IoT. List the sensors needed in a Car for automotive 7. How is a software serial library weed? 8. How is an RFID identified for IOT applications? A. List the design challenges et WSN security Pos & Configuring of the nodes. N' [10 What does server management mean? 11 List the deathses of a data centre and the activities of a data centre managel. 12 Har does 39L ditber from NOSQL? 13 What does TSDB many? 15. List the uses of Analytics, 9 16 What does OLAP means? 18 How does big data ditter from structured ROMS analytics?

Bogunut 2 Units

& Malls

- 1. Why is an IDE required but prototyping the embedded device platform?
- 2. What are the Software Components
 required for connecting sensers & actualds to
 the Enternet?
- 3. Out line the benefits of using a Soc with a SD could for embedded & device prototyping.
- 4. What are the possible IoT applications
 of Beogle Bone × 15 board?
- s. What are the domesits of Usages
 of Maluino for FoT embedded image
 devices development Compared to
 Edison, Rpi er BB?

- 1. Write the Similarities & dissimilarities in upages of Asduino boards with Intel
- 2. Draw the architecture of Intel Gralileo board and list the weages of each board and list the weages of each. Component on the Intel Graliteo board.
 - 3. Draw the architecture of Raspherry Pi3
 made B+ board using the seatures
 - 4. What are the additional benefits of using Raspheory P; Compassed to Arduino for IoT embedded clerice development?
- 5. How does the library help in conforming Advino for the Wi-Fi connectority to Internet
- 6. What are the roles of major Components et IoT devices.

& software selected Be Miny Engliculous; 1. How is an embedded-device plattern hordware When are the Ethernet client & servetured? 4. How does Arduino Ethernet Shired Connect the IOT , MIM and IIOT applications of to the present dist the header biles teguised from the wine themet library. 3 What are deaphres which makes zwel TOE, Why is TOE on important toolfd 2. What are mosts in Aduine boards for 18 5. List the Armetioned progrems Inan Edison bounds suitable for IOT, MIM & embedded device components IIOT compared to Admina?

Services Ad- Wiry embedded Compubling 5. Give commples of spen source Acomplicates 1. Describe wages of Rosp born & Beogle Rospberry and mBed Boards for the FoT, J. Compare the deathers of Intel Buliles, At 20T Emplementation Bools, Web Bedukso, Intel and New Rouphorny Pi 3. How done do the sensors of & Beaglebone. Wit the fleatures achostas in the things connect Services, middleworre. & cloud 4. With the Ist applications Bal Bone. Boards for tot applications securely to the surfermet. 7 Two Who eve commoner. MLM & IIOT. platforms. ymones