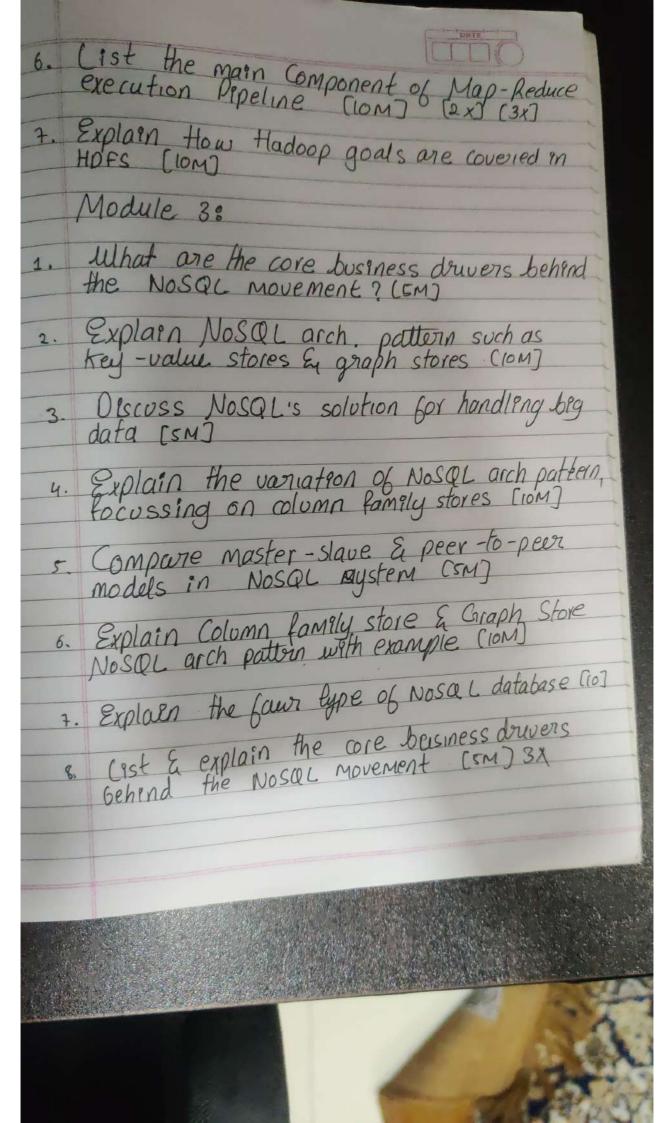
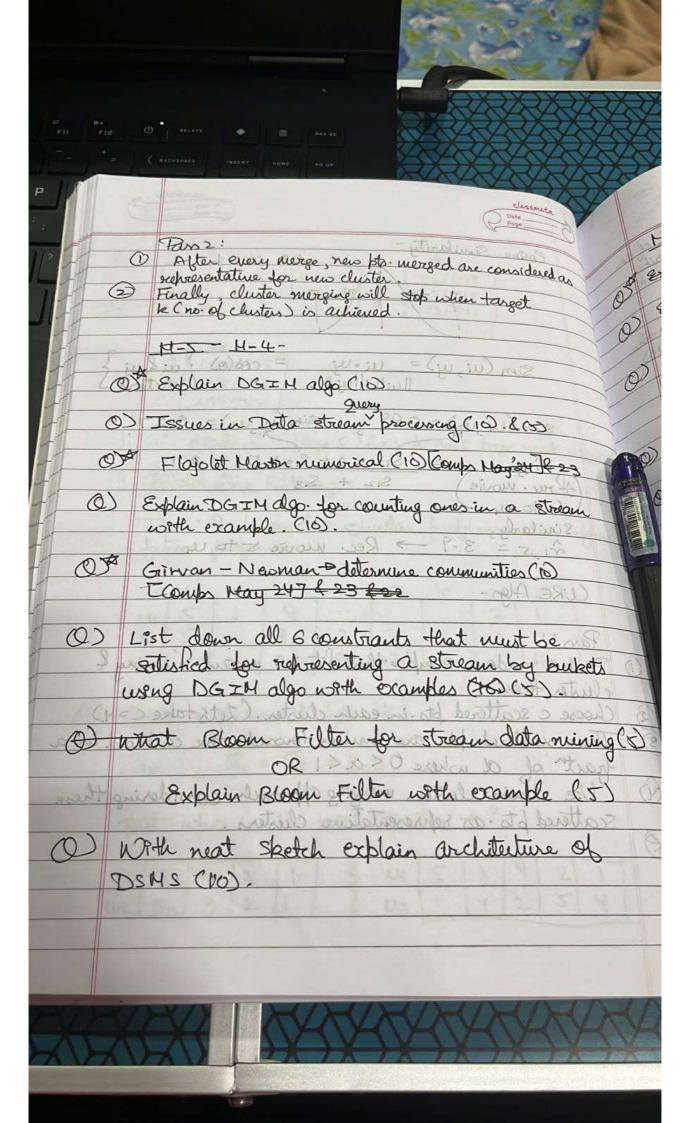
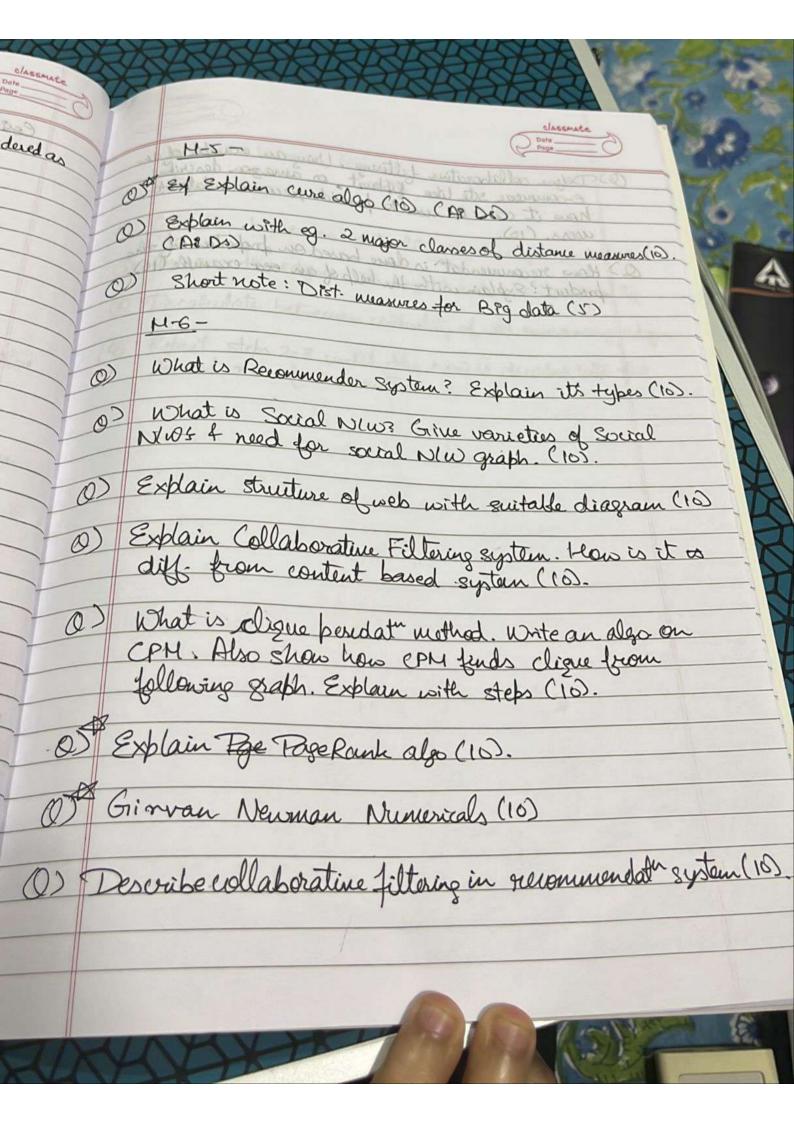
A

Module 1:

- · Compare traditional databases & big data system (SM) (2x)
- 2. How big data problems are handled by Hadoop system (SM) [3x]
- 3. Mention four characteristic of big data. Elaborate these charateristic with nespect to social Media CSMJ [AX]
- 4. What is Hadoop and Why it Matters com
- explain itis component (IOM) [3x] [4x]
- . Module 2:
- 1 Explain the arch of HDFS [10 Marks]
- 2. Write a Map Reduce pseudo code for matrix vector pultiplication (10M) (3x)
- 3. Ilbrête a Map Reduce pseudo code for a word count problem (10M) (2x)
- 4. Explaga relational Algebra Operation in Mapreduce (10m)
- 5 What 95 function of Map Tasks 90 Mapkedus framework ? Explain with help of example (SM)







O) Define collaborative filtering. Using an example of an e-commence site like Ripkart, or amazon describe how it can be used to oprovide recommendation to users. (10). a) How recommendate is done based on proporties of the product? Explain with the help of an oco example (10). What is Regundender System? Explain its What is social wices (nive vanieties of NEWS + need for sound will graph. (10) structure of up to the suitable diff from content based surjun (10) hat is also pendat method. water Also shee how CPM tindo this Userius orable. Explain with stop (13) blain The Perekunk also (10). Giovan Newsdan Municipaly (10) Escribe collaborative Litain in recommendation