Part 2
Research & concept analysis questions

Question 1:

Difference between frontend and backend application:

Frontend application:

. in that frontend application was interect with the browser

. in that application was user can see and interact.

.handles UI like buttons,forms,colors,images,layout

.tectnologies like:

.html

.css

.js

.angular

.make the site look good and easy to use

Eg:

Login page

Backend applications:

.That application was user cannot see

.this application was runs on the server

This application handles database,authentication.

Tectnologies:

Python

Java

Php

Answer no 2:

API:

API = Application Programming Interface

It was bridge between the two application talk each other

It carries request from your app- server

 To brings the response back-to
your phone

Weather application uses APIs work:

Step1: first your phone was a message enabled you location on

Step2: Then app send a request to the weatherAPI

Step3:weather server receives the request.

Step4:server sends back the weather data

Step5:weather app displayes to the user

Answer no 3:

Cloud computing:

Cloud computing means uses the online servers, storage ,database and software over the internet instead of running them on your own computer.

Examples:

Netflix:

Using cloud to streaming movies to millions of users.

Stores the amount of huge cinema data.

Whatsapp:

Stored messages ,media ,backup in the cloud

Amazon:

Runs e-commerce website to the cloud

Offers cloud to other companies.

Answer no:4

Generative AI:

Generate ai is artificial intelligence that can create new data

Real word use cases:

Content creation:

Blog articles,social media post,digital marketing.

Image & design generation:

logo,Poster,art,articles etc

Chatbot:

Virtual assistant,coustomer support,booking tickets etc

Answer no:5;

Devops and database:

Devops is a culture,set of tools work easier to the software developers.and operation teams.
 In the use devops:

Faster software delivery

Fewer bugs

Fully automation

Database:

The database was store,organize and manage data.

Types of database:

Relational database and

Eg:

Postgresql,mysql

 nosql database:

Eg:

mongodb,firebase