**MID SEM QUESTIONS**

Q.

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| Compare and contrast Edge Computing with Cloud Computing. What are the advantages and disadvantages of each approach?                       2+2 M |
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Q**.**

With respect to Edge Computing reference architecture 2.0, differentiate between Three-layer deployment view Vs. Four-layer deployment view. Explain different scenarios can be included in each of the cases.

 3+2 M

Q.

How does edge computing impact data privacy and security? Explain one example each in "Healthcare Monitoring", "Industrial IoT (IIoT)" and "Smart Cities".               2+3 M

Q.

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| Imagine a scenario in which edge computing is used to monitor and control a renewable energy grid. Explain how real-time data analysis and decision-making at the edge contribute to the stability and efficiency of the grid.                           5 M |
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Q.

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| What are the different types of frameworks developed using the ECN logical nodes and products built using those frameworks? Give one example scenario for each product.                       5 M |
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Q.

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| Consider a scenario in agriculture where edge computing is employed for precision farming. Explain how real-time data from sensors and drones can optimize crop management and resource usage.            1+5 M |
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