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class: MCA -I
Sub: POWER - BI (Major elective)
Date: 28-11-2025
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Type: CCE 4

Q1) Explain the key feauter, of the power BI service and discuse how it supports cloud-based analytics and collaborative reporting.

Power BI Service is the cloud-based platform of power BI that allows user to share, collaborate and acceee reports and dashboards online.

i) Cloud storage and accessibility:
Reports and datasets are stored in the cloud allowing user to access them any time, anywhere using a browser or mobile app.

ii) Dashboards and report:
User can create interactive dashboards that consolidate multiple reports, providing a unified view of bussinese metrics.

iii) Data Refresh and Real time analytics:
power BI service can schedule automatic data refreshes and support real time data streaming ensuring analytics are always up to date.

iv) Collaboration and sharing:
Team can share reports and dashboard with colleagues set permissions and collaborate in real-time.

v) Integration with other Service :

    power BI service integrates with Microsoft 365, Azure and other 3-rd partly application for seamless data flow.

vi) workspaces :

    Users can organize reports into workspaces for team collaboration, version control and controlled access.

Support for cloud-based Analytics & collaboration.
- Cloud storage ensures centralized and secure access to datasets and reports.
- Real-time analytics allows teams to make faster data-driven decisions.
- shared workspace and dashboards foster collaboration and consistent reporting across the organization.

Q2) Describe the Steps involved in publishing reports to the power BI service and explain the significance of each step in ensuring successfull deployment.

publishing reports from power BI Desktop to power BI service involves the following steps :

i). Create the Report in power BI Desktop:
    import and transform data design visuals and build the report.
    significance: Ensure the reports is accurate visually appealing and ready for deployment.

ii). Sign in to power BI service:
    use your organizational account to log in to power BI service.

Significance: Authenticate the user and. allow access to cloud Storage and Sharing features.

iii). Click 'publish' from power BI Desktop:
    Choose the workspace in power BI services where the report will be uploaded.
    Significance: Transfer the report from local. desktop to the cloud. for access by others.

iv) Configure Dataset settings and Data refresh:
    Setup scheduled. refresh or gateway connection if the data source in on-premises.
    Significance: Keeps the report up-to-date with live or refresh data.

v) Share or collaborate on the report:
    Share with colleques , assign permission. or pin visuals to dashboard.
    Significance: Enable collaborative analytics. ensuring team can use insights effectively.