

## Power Bl Assignment - L

1 what do you mean by B1? Explain

Business Intelligence (BI) refers to the procedusal and technical infrastructure that collects, stores, and analyzes the data produced by a

company's activities

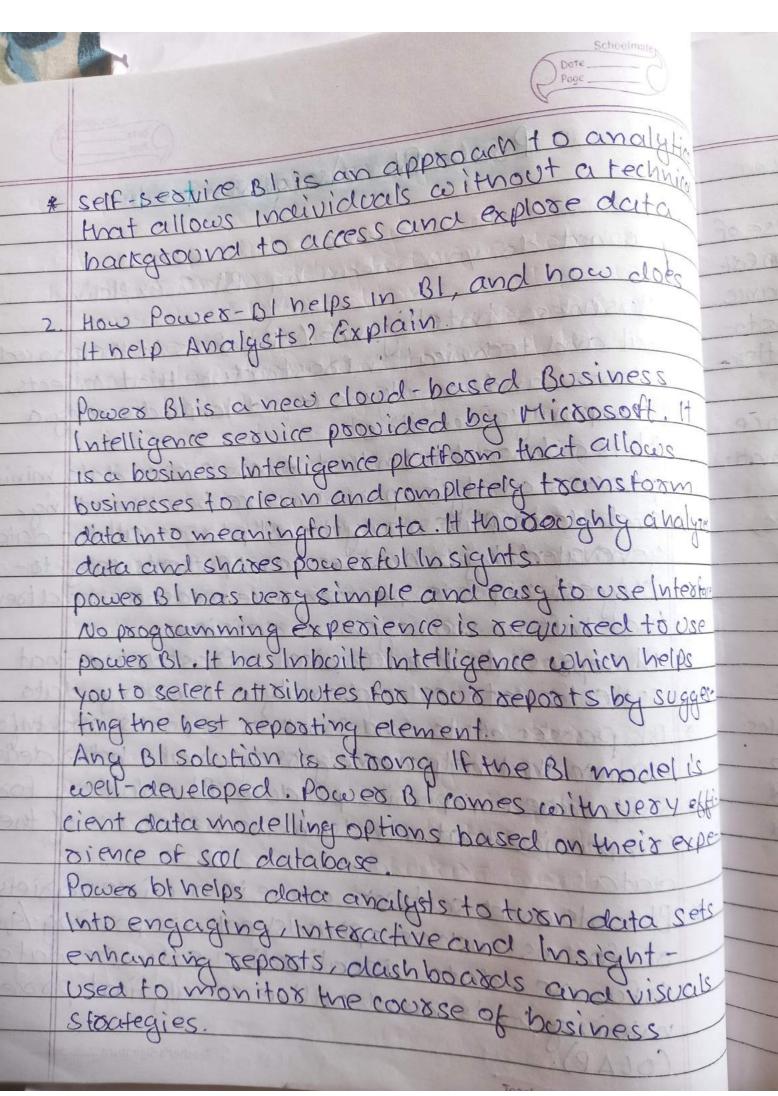
Bl is a broad term that encompasses data mining process analysis, performance benchmarking, and descriptive analytics. Bl parses all the data generated by a business and presents easy-to-digest reports, performance measures, and trends that Inform management denisions:

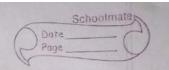
\* BI represents the fahnical infoastoucture that collects, stooks and analyzes company data

\* BI passes clata and produces reports and information that help managers to make better decision

\* Softwage companies produce BI solutions for companies that wish to make better use of their data

\* BI tools and software come in a wide vadiety of forms such as spheadsheets, reporting givers sofware, data visualization sofware, data mining tools, and online analytical procession (OLAP).





Data analytics with Power BI poom otes the discovery of Information and the democratisation of data through Its unique data visualisation capabilities, that improve the quality of companies informative systems and help executives make auta-driven decisions.

power BI streamlines data analysts work and makes It easy to connect it was form and visualise data.

## 3. Explain Descriptive analytics?

· Descriptive analytics is the process of parsing historical data to better understand the changes that have occurred in a business.

Vsing a range of historic data and benchmarking, decision-makers obtain a holistic view of performance and trends on which to base bu-Siness strategy.

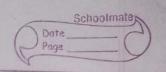
· It can help to identify the ciseas of strength

examples of matrics used in clescriptive analytics inculde year-over-year pricing changes, month-over-month sales growth, thenomber of useas, no the total revenue per subscriber.

analytics, such as predictive and prescriptive analytic

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4. Explain Predictive avalytics? The team predictive availytics refers to the use of statistics and modeling techniques to make predictive available of the predictive availabl ctions about future outcomes and performance Aredictive analytics looks at consent and history dical data patterns to determine IF those patter ins are likely to emerge again. Industries and disciplines , such as Inscrange and marketing, use predictive techniques to make Important decisions. Predictive models help make weather forecasts develop video games, translate voice-to-text messages, customer service decisions, and develop investment postfolios Today, companies are inundated with data from log files to images and videor and all of this data resides in disparate data repositate across an organization. To gain insights from this data, data scientists use deep learning and machine learning algorithms to five partleths and make predictions about future events. and the mean and exertence partition, only in a SURREMON IN respect to the property of the inspired physiological participation charles the such de phedicine and president



s. Explain perspective analytics?

s Explain prescriptive Analytics?

Prescriptive analytics is a type of data analytics that attempts to answer the question what do we need to do to achieve this 'It Involves the use of termology to help businesses make better decisions through the analysis of raw data. Prescriptive analytics specifically factors information about possible situations or scenarios; available resources, past performance, and current performance, and suggests a rourse of action or strategy. It can be used to make decisions on any time horizon, from immediate to long-term. It is the opposite of descriptive analytics, which examines decisions and octomes after the fact.

when used effectively, it can help organizations make decisions based on facts and probability-weighted projections has tead of conclusions

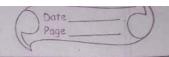
based on Instinct.

Prescriptive analytics is not fool proof, as it's only as effective as its imputs.

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6. Waite five seal-life avestions that Pocos 1. Wating On Figures mayor business decision thaving to hold off on mayor figures from the collect figures from because you'te unable to collect figures from because you've unable to sift through nemero deports on a served to find what you need mo have been considered not mad soutine back the day, but business has progressed, and waiting for data reports is no longer accepting Power BI allows you to access your company's data analytics almost instantly on top of that It also makes the data easy to decipher with advanced visualizations which can be Shazed at the town of a botton. 2. Using Data From Old Reports while being able to share documents (such a quanterly reports) with employees through the cloud was exciting when It first came out It leaves too much doom for human extod: Using Power BI reclines the possibility of exil by allowing reports to be own in seconds using only the most custory data. This ensures that deposts can't be altered and eliminate and eliminate notes the time spent sifting through Files to



find the cooperf data.

3. Excessive Time Spent Preparing for Presentations

Presentation preparation can be time taking. On top of collecting all of the data you want to share, the Information has to then be put Into a viscually appealing presentation. If you want to Include chasts, graphs and images, presentations can take a significant amount of time to produce. In addition to that, by the time the presentation is complete, the data will already be outdated.

Power BI can quickly and easily create visual representations of your data and provide sturning and accordate presentations for your meetings. Using Power BI's automated reporting tools can save hours of preparation.

Seing Unable to find specific Datasets

Sitting through spreadsheets in search of

specific data sets in time-consoming and
inefficient. One of the most useful power BI

Solutions is the ability to easily search for

ata and data-sets.

Power BI allows IT members to publish data catalogs for others to view. This makes It easier

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for you to find the duta sets needed to po 5. Not Being Able to Determine your Level of while bosiness Intelligence offers a lot of use Information, not everyone knows how to use 14. Even with the nombers in plain view it can be difficult to deformine whether or not Your business is successful and concert area need improvement. Using power Bl's Over & Answer Feature, It's now possible to asky us software these questions asing natural language Ask what your profits were for that month or how wistomer subscription numbers compare to last year's. The natural language technology makes It en and you don't have to woody about putting you questions in any specific format. The too will also donce your attention to any plobb areas that need to be addressed revisoria you don't miss even the smallest opportunitie to make a proofit.

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