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19/18 2027

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Q1] Explain TPS in terms of "Input - Process - Output"

→ ① TPS (Transaction processing system) supports the monitoring, collections, storage and processing of the data from the organisations basic business transactions each of which generates data.

② Input or Business Event or Transaction has source documents, manual data entry, semi- data entry, fully automated data entry

③ Process or Transaction processing systems programs are recording, summarizing, sorting, updating, merging

④ Output which is obtained can be given as counts and summary reports or inputs to other information systems, feedback to system operator or customer.

⑤ Input functions: securing and inputting the data of the transactions.

⑥ Output functions: Producing the report and record of the input data to be used for future references and validating the transaction.

⑦ storage functions: storing the data from both input and output operations and ensuring the availability of data for operations like information access, retreival, sorting and updating.

⑧ Processing functions: computing, calculating, sorting and defining the input data to get the desired output.

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eg :- Payroll system (TPS)

Input	Process	Output
- Time cards - Emp lists - wages and salary data	- Calculate pay - Calculate cost of benefits - Updating Ledger and logs	- Paychecks & Receipts - Account Balances - management Reports