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Q.1. The fourth industrial revolution will be based on artificial intelligence which in turn, depend on 'data'. What are the factors affecting the location of AI industry globally? Where does India stand in this context?

Fourth Industrial Revolution or Industry 4.0 is believed to be the new age of industrial development in the fields of Internet of Things (IoT), Artificial Intelligence, Robotic and Automated Manufacturing, etc.

The growing spheres of these industries lays great emphasis on data that aids in the process of machine learning and the need for highly skilled individuals in the field of computing and machine learning.

Use of Data:

- (i) Large volumes of data aid in developing patterns.
- (ii) Used in consumer behaviour predictions.
- (iii) Forecast weather.
- (iv) Predict future ~~share~~ economic conditions of the capital market, etc.

Factors Affecting location of Artificial Intelligence Industries:

(i) Highly Skilled Labour:

People with computing knowledge and data processing knowledge is needed to create algorithms and train machine learning.

(ii) Infrastructure:

Continuous supply of electricity for servers, land, cooling capabilities, etc are the required infrastructures.

(iii) Industry friendly data protection laws:

Though data protection laws are at their nascent stage of development countries with laws that gives greater flexibility for data handling to industries would attract more FDI.

Where does India stand?

India known for its exports of IT-related services and infrastructure capability can greatly achieve an accelerated Industry 4.0. It is need of the hour to upskill the workforce and create friendly laws to attract FDI in the sector.