

**Q.3 State True or False providing due justification for your answers:** (a) AI models will eventually replace human judgment in all fields. (b) Increasing the number of layers in a neural network always improves accuracy. (c) Deep learning models do not require feature engineering. (d) AI can be used to generate deepfake videos that are indistinguishable from reality. (e) AI should always be open-source to ensure transparency. [10]