

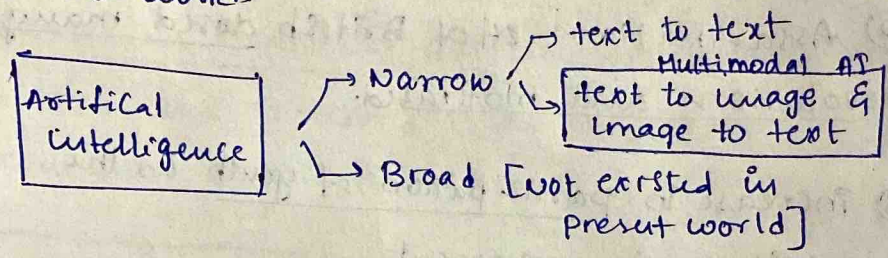
11/10/2023

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Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
(Specimen Answer Booklet - For Practice Purpose Only)

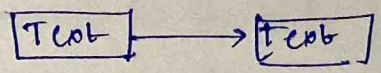
① What is multimodal artificial intelligence how it differs from conventional AI? Discuss its applications. (150W)

Artificial intelligence is the fastest growing technology in present world, where ground battles are shifted towards technological battles to rule the world.



Text to Text / Conventional AI

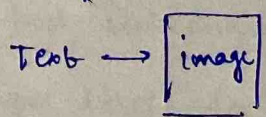
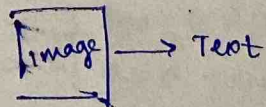
- (i) AI processes input text and provide the output in text form
- (ii) one mode/one dimensional



(iii) eg. general chat GPT,

Multimodal AI

- (i) AI that process input text and provide image and vice versa.
[Can input the image and process the output in text]
- (ii) Multi dimensions activation.



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Applications of Multimodal AI

→ ① Medical sector

↓
Can use in MR Scanning, where
the scanned image can be formed
into text.

→ ② virtual reality

↓
To add the multiple dimensional
senses.

→ ③ Face To curb the hate speech in the social media platforms from pictorial forms.

eg. face book | meta

→ ④ video image processing eg. Youtube

→ ⑤ science field.

↓
Picture to text form to identify
the difference in genes of Bacterial
virus.

15 min
Multimodal Artificial Intelligence is the upgr-
aded form of general text AI that enhan-
ces the use of AI in many other field. India
need to put its efforts in technological upgradati-
on to stand in the battle of Technology.