

CLASS: XII
ARTIFICIAL INTELLIGENCE (SUBJECT CODE - 843)
SESSION 2026-27

Unit 7: Generative AI – 50 MCQs

1. Generative AI is mainly used to:

- A. Store data
- B. Create new content
- C. Delete data
- D. Compress files

Ans: B

2. Which of the following is NOT generated by Generative AI?

- A. Images
- B. Text
- C. Audio
- D. Keyboard Hardware

Ans: D

3. Generative AI learns from:

- A. Existing datasets
- B. Printers
- C. Monitors
- D. Routers

Ans: A

4. ChatGPT is an example of:

- A. Generative AI
- B. Operating System
- C. Compiler
- D. Antivirus

Ans: A

5. Gemini is a:

- A. Spreadsheet
- B. Generative AI Tool
- C. Browser
- D. Database

Ans: B

6. Generative AI mainly works using:

- A. Deep Learning
- B. Networking
- C. Encryption
- D. HTML

Ans: A

7. GAN stands for:

- A. General AI Network
- B. Generative Adversarial Network
- C. Global AI Node
- D. Graphical AI Network

Ans: B

8. A GAN consists of:

- A. One network
- B. Two networks
- C. Three networks

D. Four networks

Ans: B

9. Which network creates fake samples in GAN?

A. Discriminator

B. Generator

C. Encoder

D. Decoder

Ans: B

10. The discriminator in GAN:

A. Generates images

B. Stores data

C. Identifies real and fake data

D. Compresses data

Ans: C

11. VAE stands for:

A. Variational Autoencoder

B. Virtual AI Engine

C. Variable AI Encoder

D. Visual Auto Engine

Ans: A

12. In VAE, the encoder converts data into:

A. Output layer

B. Latent Space

C. Database

D. Image file

Ans: B

13. Latent Space is:

A. Hidden compressed representation

B. Hardware memory

C. Operating system

D. Browser cache

Ans: A

14. GANs are best known for:

A. Realistic image generation

B. Data storage

C. Networking

D. Data entry

Ans: A

15. VAEs are useful for:

A. Data generation

B. Anomaly detection

C. Filling missing information

D. All of these

Ans: D

16. Discriminative models are mainly used for:

A. Classification

B. Content creation

C. Image generation

D. Video generation

Ans: A

17. Generative models focus on:

- A. Drawing boundaries between classes
- B. Understanding data distribution
- C. Data deletion
- D. Hardware design

Ans: B

18. Spam email detection is an example of:

- A. Generative Model
- B. Discriminative Model
- C. GAN
- D. VAE

Ans: B

19. Logistic Regression is a:

- A. Generative algorithm
- B. Discriminative algorithm
- C. Neural network layer
- D. Activation function

Ans: B

20. Random Forest is:

- A. Generative model
- B. Discriminative model
- C. GAN
- D. LLM

Ans: B

21. Which is a Generative AI model?

- A. GAN
- B. VAE
- C. LLM
- D. All of these

Ans: D

22. DALL-E is mainly used for:

- A. Image Generation
- B. Video Editing
- C. Spreadsheet Analysis
- D. Database Management

Ans: A

23. Stable Diffusion is associated with:

- A. Image Generation
- B. Networking
- C. Coding only
- D. Encryption

Ans: A

24. Text generation means:

- A. Writing human-like text
- B. Editing hardware
- C. Managing databases
- D. Compressing files

Ans: A

25. Perplexity is an example of:

- A. Text Generation Tool
- B. Antivirus
- C. Browser

D. Operating System

Ans: A

26. Google Lumiere is associated with:

A. Audio Generation

B. Video Generation

C. Text Generation

D. Database Design

Ans: B

27. Deepfake technology is mainly related to:

A. Fake media generation

B. Database backup

C. Networking

D. Cybersecurity

Ans: A

28. Voicebox is used for:

A. Audio Generation

B. Video Editing

C. Data Mining

D. Coding

Ans: A

29. MusicLM is developed by:

A. Google

B. Amazon

C. IBM

D. Oracle

Ans: A

30. LLM stands for:

A. Large Learning Machine

B. Large Language Model

C. Logical Language Model

D. Layered Learning Model

Ans: B

31. LLMs are trained on:

A. Massive text datasets

B. Only images

C. Only videos

D. Only audio

Ans: A

32. Transformers are primarily used in:

A. LLMs

B. Databases

C. Networks

D. Sensors

Ans: A

33. GPT-4o is developed by:

A. Google

B. Meta

C. OpenAI

D. Anthropic

Ans: C

34. Claude 3.5 is developed by:

- A. Anthropic
- B. OpenAI
- C. Google
- D. Microsoft

Ans: A

35. LLaMA is developed by:

- A. Google
- B. Meta
- C. OpenAI
- D. IBM

Ans: B

36. LLMs can perform:

- A. Translation
- B. Text Generation
- C. Question Answering
- D. All of these

Ans: D

37. A limitation of LLMs is:

- A. High computational cost
- B. Factually incorrect responses
- C. Biases
- D. All of these

Ans: D

38. Which of the following is a risk of LLMs?

- A. Privacy concerns
- B. Bias
- C. Harmful outputs
- D. All of these

Ans: D

39. Generative AI is considered:

- A. Strong AI
- B. Weak AI
- C. Super AI
- D. Quantum AI

Ans: B

40. Deepfakes may cause:

- A. Misinformation
- B. Privacy violations
- C. Reputational damage
- D. All of these

Ans: D

41. AI-generated content presented as one's own work is called:

- A. Validation
- B. Plagiarism
- C. Optimization
- D. Translation

Ans: B

42. Transparency in Generative AI means:

- A. Hiding AI use
- B. Disclosing AI-generated content
- C. Deleting prompts

D. Removing citations

Ans: B

43. Which ethical principle should be followed while using Generative AI?

A. Respect copyright

B. Verify information

C. Be transparent

D. All of these

Ans: D

44. Canva Text-to-Image generates:

A. Images from text prompts

B. Videos from images

C. Audio from text

D. Databases

Ans: A

45. A good prompt should be:

A. Vague

B. Descriptive and specific

C. Empty

D. Random

Ans: B

46. Gemini-Pro is optimized for:

A. Text-only prompts

B. Audio only

C. Video only

D. Images only

Ans: A

47. Gemini-Pro-Vision is optimized for:

A. Text and Images

B. Audio only

C. Coding only

D. Video only

Ans: A

48. Customized chatbots can be used in:

A. Education

B. Healthcare

C. Customer Support

D. All of these

Ans: D

49. The first step in creating a Gemini chatbot is:

A. Obtain API Key

B. Install Python

C. Train Model

D. Create Dataset

Ans: A

50. The future of Generative AI emphasizes:

A. Ethical development

B. Responsible use

C. Human-AI collaboration

D. All of these

Ans: D

Answer Key

1-B, 2-D, 3-A, 4-A, 5-B, 6-A, 7-B, 8-B, 9-B, 10-C
11-A, 12-B, 13-A, 14-A, 15-D, 16-A, 17-B, 18-B, 19-B, 20-B
21-D, 22-A, 23-A, 24-A, 25-A, 26-B, 27-A, 28-A, 29-A, 30-B
31-A, 32-A, 33-C, 34-A, 35-B, 36-D, 37-D, 38-D, 39-B, 40-D
41-B, 42-B, 43-D, 44-A, 45-B, 46-A, 47-A, 48-D, 49-A, 50-D.