

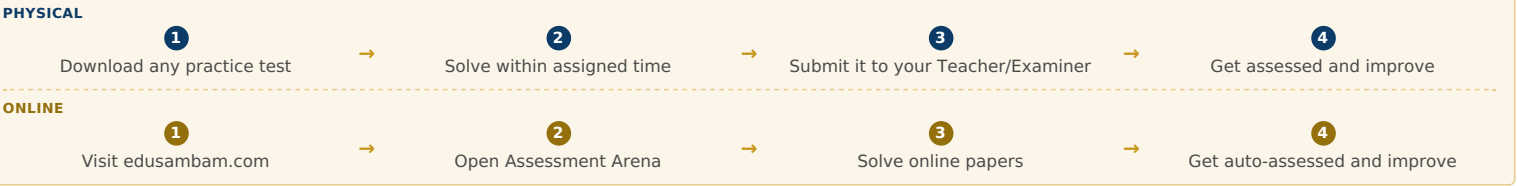
EDUSAMBAM ASSESSMENT SERIES

AI Agents & Natural Language Processing

PRINTABLE PRACTICE WORKSHEET

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YOUR PHYSICAL & ONLINE SELF-ASSESSMENT ROADMAP



Candidate Name:		Roll No.:	
Class / Grade:		Date:	
School / Institution:		Test Centre:	

Subject	Artificial Intelligence (AI)	Topic	AI Agents & Natural Language Processing	Total Marks	100
Total Questions	45	Time Allowed	1 Hour (60 minutes)	Version	A

GENERAL INSTRUCTIONS

1. Read each question carefully before answering.
2. For Section A and Section B, mark one answer only.
3. For Sections C and E, write your answer clearly in the space provided.
4. For Section D, write the correct letter from Column B against each item in Column A.
5. Do not use correction fluid. Keep all answers clear and legible.
6. This worksheet is prepared from the EDUSAMBAM practice assessment supplied for this paper.

PAPER PATTERN

Section	Questions	Marks Each	Total
Section A — Multiple Choice	15	2	30
Section B — True / False	10	2	20
Section C — Fill in the Blank	10	2	20
Section D — Column Matching	5 pairs	2	10
Section E — Short Answer	5	4	20
Total	45	—	100

Section A — Multiple Choice

30 marks

1. What is an AI agent?

Basic • 2 pts

A. A piece of computer hardware

A. A type of internet browser

C. A file storage format

D. An AI system that can take actions and complete tasks, not just generate text

Answer: ☐A ☐B ☐C ☐D

2. How does an AI agent typically differ from a simple chatbot?

Basic • 2 pts

A. It cannot respond in text at all

B. It can carry out actions and tasks on the user's behalf, not just reply

C. It only works offline

D. It has no connection to AI whatsoever

Answer: ☐A ☐B ☐C ☐D

3. What kinds of tools might an AI agent use to complete a task?

Basic • 2 pts

A. Web browsers, APIs, or code execution

B. Only a pencil and paper

C. Nothing — agents cannot use any tools

D. Only physical robots

Answer: ☐A ☐B ☐C ☐D

4. What does it mean for an AI agent to "plan" a task?

Basic • 2 pts

A. It draws a picture of the task

B. It refuses to complete the task

C. It breaks a goal into a sequence of steps and carries them out

D. It waits indefinitely for further instructions

Answer: ☐A ☐B ☐C ☐D

5. What does the term "agentic AI" describe?

Intermediate • 2 pts

A. AI that can only draw pictures

B. AI that combines reasoning, tool use, and action to achieve a goal

C. AI that runs exclusively on mobile phones

D. A type of computer virus

Answer: ☐A ☐B ☐C ☐D

6. Which of these is an example of an AI agent in action?
A. A wall calendar
C. A printed instruction manual
Answer: ☐A ☐B ☐C ☐D

B. A static webpage
D. An assistant that researches, books, and confirms a flight on a user's behalf

Intermediate · 2 pts

7. Why is human oversight important when using AI agents?
A. Because agents can take real actions, and mistakes can have real consequences
C. Because oversight makes agents run faster
Answer: ☐A ☐B ☐C ☐D

B. Because agents are always 100% error-free
D. Because it is legally required for all software

Intermediate · 2 pts

8. What is natural language processing (NLP)?
A. A method for repairing computer hardware
C. A type of internet cable
Answer: ☐A ☐B ☐C ☐D

B. The field of AI focused on understanding and generating human language
D. A programming language used to build websites

Intermediate · 2 pts

9. Which of the following is a common NLP task?
A. Charging a phone battery
C. Automatically translating text between languages
Answer: ☐A ☐B ☐C ☐D

B. Printing a document
D. Formatting a spreadsheet

Intermediate · 2 pts

10. What is "tokenization" in NLP?
A. Breaking text into smaller units such as words or subwords
C. Converting text into a printed document
Answer: ☐A ☐B ☐C ☐D

B. Deleting all punctuation permanently
D. Encrypting a password

Intermediate · 2 pts

11. Which everyday technologies are powered by NLP?
A. Calculators only
C. USB cables
Answer: ☐A ☐B ☐C ☐D

B. Digital thermometers
D. Voice assistants, chatbots, and search engines

Intermediate · 2 pts

12. What does sentiment analysis do?
A. Measures how fast text is typed
C. Counts the number of words in a document
Answer: ☐A ☐B ☐C ☐D

B. Determines the emotional tone of a piece of text
D. Checks a file for viruses

Advanced · 2 pts

13. What is machine translation?
A. Using AI to automatically translate text from one language to another
C. Converting a video file into an audio file
Answer: ☐A ☐B ☐C ☐D

B. Physically moving a computer to another country
D. Translating computer code into machine code

Advanced · 2 pts

14. In NLP, what is the difference between syntax and semantics?
A. There is no difference between them
C. Syntax concerns grammar and structure, semantics concerns meaning
Answer: ☐A ☐B ☐C ☐D

B. Syntax is about audio, semantics is about video
D. Semantics only applies to numbers

Advanced · 2 pts

15. What NLP task converts spoken words into text?
A. Image classification
C. Data encryption
Answer: ☐A ☐B ☐C ☐D

B. Speech recognition
D. File compression

Advanced · 2 pts

Section B — True / False

20 marks

16. AI agents can take actions on a user's behalf, not just generate text.
A. True ☐ **B.** False ☐

Basic · 2 pts

17. Every chatbot is automatically considered a fully agentic AI system.
A. True ☐ **B.** False ☐

Basic · 2 pts

18. AI agents may use tools such as web browsers or APIs to complete tasks.
A. True ☐ **B.** False ☐

Basic · 2 pts

19. AI agents require no human oversight because they always act correctly.
A. True ☐ **B.** False ☐

Basic · 2 pts

20. NLP is the field of AI focused on understanding and generating human language.
A. True ☐ **B.** False ☐

Intermediate · 2 pts

21. Tokenization means breaking text into smaller units such as words or subwords.
A. True ☐ **B.** False ☐

Intermediate · 2 pts

22. Sentiment analysis determines the emotional tone of a piece of text.
A. True ☐ B. False ☐

23. Machine translation has nothing to do with natural language processing.
A. True ☐ B. False ☐

24. NLP powers technologies such as voice assistants and chatbots.
A. True ☐ B. False ☐

25. AI agents can plan and execute multi-step tasks with minimal supervision.
A. True ☐ B. False ☐

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Section C — Fill in the Blank

20 marks

26. An AI _____ is a system that can take actions and complete tasks, not just generate text responses.
Answer: _____

27. AI agents often use _____ such as web browsers, APIs, or code execution to complete tasks.
Answer: _____

28. _____ AI combines reasoning, tool use, and action to complete goals.
Answer: _____

29. _____ is the field of AI focused on understanding and generating human language.
Answer: _____

30. Breaking text into smaller units such as words or subwords is called _____.
Answer: _____

31. _____ analysis determines the emotional tone of a piece of text.
Answer: _____

32. _____ translation uses AI to automatically translate text between languages.
Answer: _____

33. NLP powers technologies such as chatbots, search engines, and voice _____s.
Answer: _____

34. Because AI agents can act autonomously, _____s and human oversight are important safety measures.
Answer: _____

35. AI agents can plan and complete _____-step tasks with minimal supervision.
Answer: _____

Basic • 2 pts

Basic • 2 pts

Basic • 2 pts

Basic • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Intermediate • 2 pts

Section D — Column Matching

10 marks

36-40. Match each term to its correct definition.

Column A	Answer	Column B
AI Agent	_____	A. AI that combines reasoning, tool use, and action to achieve goals
Agentic AI	_____	B. Breaking text into smaller units such as words or subwords
Tokenization	_____	C. Determining the emotional tone of a piece of text
Sentiment Analysis	_____	D. Automatically translating text from one language to another
Machine Translation	_____	E. A system that can take actions and complete tasks on a user's behalf

Section E — Short Answer

20 marks

41. What is an AI agent?

42. How is an AI agent different from a simple chatbot?

Advanced • 4 pts

Advanced • 4 pts

Advanced · 4 pts

Advanced · 4 pts

Advanced · 4 pts

Candidate Signature: _____ **Invigilator Signature:** _____

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Checked By: _____

Date Checked: _____

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AI Agents & Natural Language Processing — Answer Key

Teacher reference: equivalent grammatically correct wording is acceptable for open-ended items when the meaning is preserved.

Section A — Multiple Choice

1. D

2. B

3. A

4. C

5. B

6. D

7. A

8. B
9. C

10. A

11. D

12. B

13. A

14. C

15. B

Section B — True / False

16. True

17. False

18. True

19. False

20. True
21. True

22. True

23. False

24. True

25. True

Section C — Fill in the Blank

26. agent

27. tools

28. agentic

29. natural language processing

30. tokenization
31. sentiment

32. machine

33. assistant

34. guardrail

35. multi

Section D — Column Matching

36. AI Agent — E

37. Agentic AI — A

38. Tokenization — B
39. Sentiment Analysis — C

40. Machine Translation — D

Section E — Short Answer (Model Answers)

41. action; task; autonomous; tool; complete

42. action; task; beyond text; execute; autonomous; behalf

43. language; text; understand; generate

44. translation; sentiment; speech; chatbot; classification; recognition

45. guardrail; mistake; safety; control; risk; oversight; error