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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Introduction to Large Language Models (LLMs)

(course)

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Course outline

About NPTEL ()

How does an NPTEL online course work? ()

Week 1 ()

● Lec 01 : Introduction and Recent Advances (unit?

Week 1 : Assignment 1

The due date for submitting this assignment has passed.

Due on 2025-02-05, 23:59 IST.

Assignment submitted on 2025-02-04, 20:09 IST

1) Based on Distributional Semantics, which of the following statements is/are true?   *1 point*

(i) The meaning of a word is defined by its relationship to other words.
(ii) The meaning of a word does not rely on its surrounding context.

- ○ Both (i) and (ii) are correct
- ○ Only (ii) is correct
- ◉ Only (i) is correct
- ○ Neither (i) nor (ii) is correct

No, the answer is incorrect.
Score: 0
Accepted Answers:
Neither (i) nor (ii) is correct

2) Which of the following words have multiple senses?   *1 point*

- ☑ light
- ☑ order
- ☑ letter
- ☑ buffalo

Yes, the answer is correct.
Score: 1
Accepted Answers:
light
order
letter
buffalo

3) Consider the following sentences: *1 point*

Sentence 1: Amit forgot to set an alarm last night.
Sentence 2: Amit woke up late today.

Does Sentence 1 entail Sentence 2?

○ True

◉ False

Yes, the answer is correct.
Score: 1
Accepted Answers:
False

4) What issues can be observed in the following text?   *1 point*

On a much-needed #workcation in beautiful Goa. Workin & chillin by d waves!

☑ Idioms

☑ Non-standard English

☐ Tricky Entity Names

☑ Neologisms

No, the answer is incorrect.
Score: 0
Accepted Answers:
Non-standard English
Neologisms

5) Consider the following sentences: *1 point*

Sentence 1: The bats flew out of the cave at sunset.
Sentence 2: Rohan bought a new bat to practice cricket.

Question: Does the word "bat" have the same meaning in both sentences?

○ Yes

◉ No

Yes, the answer is correct.

Score: 1
Accepted Answers:
No

6) Which of the following statements is/are true?   ***1 point***

☐ Apple is a hypernym of fruit.

☑ Leaf is a meronym of tree.

☐ Flower is a holonym of petal.

☑ Parrot is a hyponym of bird.

Partially Correct.
Score: 0.67

Accepted Answers:
Leaf is a meronym of tree.
Flower is a holonym of petal.
Parrot is a hyponym of bird.

7) _____ deals with word formation and internal structure of words.   ***1 point***

○ Pragmatics

○ Discourse

○ Semantics

◉ Morphology

Yes, the answer is correct.
Score: 1

Accepted Answers:
Morphology

8) Consider the following sentences: ***1 point***

Sentence 1: Priya told Meera that she had completed the report on time.
Sentence 2: Meera was impressed by her dedication.

Which of the following statements is/are true?

☐ In Sentence 1, "she" refers to Meera.

☑ In Sentence 1, "she" refers to Priya.

☑ In Sentence 2, "her" refers to Priya.

☐ In Sentence 2, "her" refers to Meera.

Yes, the answer is correct.
Score: 1

Accepted Answers:
In Sentence 1, "she" refers to Priya.
In Sentence 2, "her" refers to Priya.

9) In semantic role labelling, we determine the semantic role of each argument with respect to the _____ of the sentence.

○ noun phrase

○ subject

◉ predicate

○ adjunct

Yes, the answer is correct.
Score: 1

Accepted Answers:
predicate

10) Which of the following statements is/are true?   ***1 point***

(i) Artificial Intelligence (AI) is a sub-field of Machine Learning.
(ii) LLMs are deep neural networks for processing text.
(iii) Generative AI (GenAI) involves only Large Language Models (LLMs).

○ Only (i) and (ii) are correct

◉ Only (ii) is correct

○ Only (ii) and (iii) are correct

○ All of (i), (ii), and (iii) are correct

○ Neither (i), (ii), or (iii) is correct

Yes, the answer is correct.
Score: 1

Accepted Answers:
Only (ii) is correct