**MIS 548 Module 3 Knowledge Check 2; Text Mining, Sentiment Analysis, and Social Analytics - Answers**

Which of the following application areas of text mining is used to group similar documents without having a predefined set of categories?

A Summarization

B Information extraction

C Categorization

D Clustering

## Explanation

Answer D is correct

Fill in the blank with the appropriate term related to text mining.

Correct Answer | Your Answer

Polysemes, also known as homonyms, are syntactically identical words with different meanings.

**Note :** Your response need not be case-sensitive.

## Explanation

**Polysemes**, also known as homonyms, are syntactically identical words with different meanings.

In text mining, the inputs to the process include unstructured data, such as Word documents, PDF files, text excerpts, and e-mail messages.

A ● True

B ○ False

## Explanation

Answer A is correct.

Which of the following applications of natural language processing (NLP) deals with the automatic translation of images of handwritten, typewritten, or printed text into machine-editable textual documents?

A ○ Text proofing

B ○ Speech recognition

C ○ Natural language generation

D ● Optical character recognition

## Explanation

Answer D is correct.

Which of the following challenges is **not** associated with the implementation of natural language processing (NLP)?

A Part-of-speech tagging

B Text segmentation

C Word sense ambiguation

D Syntactic ambiguity

## Explanation

Answer C is correct.

Fill in the blank with the appropriate term related to text mining.

Correct Answer | Your Answer

In the Mining for Lies case study, a text-based deception-detection method used by Fuller et al. was based on a process known as message feature min, which relies on elements of data and text mining techniques.

**Note :** Your response need not be case-sensitive.

## Explanation

In the Mining for Lies case study, a text-based deception-detection method used by Fuller et al. was based on a process known as **message feature mining**, which relies on elements of data and text mining techniques.