

# RAG Evaluation Report

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Course ID: 31

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## Basic Performance

Total Questions: 40

Successful Responses: 40

Response Rate: 100.00%

Average Answer Length: 281 chars

## Core RAG Metrics

Context Precision: 82.0%

Context Recall: 92.0%

Answer Correctness: 27.8%

Faithfulness: 44.3%

Answer Relevance: 23.3%

Semantic Similarity: 32.3%

## Quality Metrics

Factual Accuracy: 21.1%

Completeness: 26.3%

## NLP Evaluation Metrics

BLEU-1: 42.2%

BLEU-4: 20.4%

ROUGE-1: 109.8%

ROUGE-2: 64.7%

ROUGE-L: 40.0%

METEOR: 27.1%

BERT Precision: 42.2%

BERT Recall: 109.8%

BERT F1: 54.3%

## Overall Assessment

Overall RAG Quality Score: 50.3%

Performance Grade: Good