Endpoint Being Tested: http://127.0.0.1:5000/extra_questions

Case: *Successfully generated extra practice questions*

Request Method: POST

Inputs:

```
{
  "lecture_id": 2
}
```

Expected Output:

```
HTTP Status Code: 200 and JSON with 'lecture_id' and 'questions'
```

Actual Output:

```
HTTP Status Code: 200
JSON: {"lecture_id": 2, "questions": [{"question": "The lecturer uses Replit.com
to demonstrate Python programming.  What crucial advantage does this platform
offer beginners?", "options": {"A": "It requires no prior software installation.",
"B": "It automatically corrects syntax errors.", "C": "It provides pre-built AI
assistance for coding.", "D": "It offers advanced debugging tools unavailable
elsewhere."}, "correct_answer": "A"}, {"question": "In the context of the
lecture's example, what does the 'repository' in Replit represent?", "options":
{"A": "A folder containing system files.", "B": "A temporary storage space for
code execution.", "C": "A location for storing and managing code.", "D": "A pre-
defined set of programming exercises."}, "correct_answer": "C"}, {"question": "The
lecturer demonstrates creating a 'staircase' pattern using asterisks (*). What
fundamental programming concept does this example primarily illustrate?",
"options": {"A": "The use of complex algorithms.", "B": "The importance of error
handling.", "C": "Sequential execution of commands.", "D": "The limitations of
simple print statements."}, "correct_answer": "C"}, {"question": "The lecturer
highlights the difficulty of creating the reverse staircase pattern manually. What
core programming challenge does this exemplify?", "options": {"A": "The complexity
of string manipulation.", "B": "The limitations of the print function.", "C": "The
need for automation and iteration.", "D": "The inherent difficulty of reverse
engineering code."}, "correct_answer": "C"}, {"question": "The concluding
question, 'Is there any way we can automate this?', foreshadows the introduction
of which important programming concept in future lectures?", "options": {"A":
"Object-oriented programming.", "B": "Data structures and algorithms.", "C":
"Loops and iterative processes.", "D": "Advanced debugging techniques."},
"correct_answer": "C"}]}
```

Result: Success

Case: *Transcript not found for lecture ID*

Request Method: POST

Inputs:

```
{
  "lecture_id": 99999999
}
```

Expected Output:

```
HTTP Status Code: 404 and error message
```

Actual Output:

```
HTTP Status Code: 404
JSON: {"Error": "Transcript not found or empty"}
```

Result: Success

Case: *Internal server error while generating questions*

Request Method: POST

Inputs:

```
{
  "lecture_id": -999
}
```

Expected Output:

```
HTTP Status Code: 500 and error message
```

Actual Output:

```
HTTP Status Code: 404
JSON: {"Error": "Transcript not found or empty"}
```

Result: Failed
