AgentOutputSchema MCQs

1. When constructing an AgentOutputSchema with a custom output_type that is not a subclass of BaseModel or dict, what happens?

A) It raises a UserError immediately.
B) It always treats it as plain text.
C) It wraps the type inside a dictionary with a single key "response".
D) It serializes the type to a JSON string before validation.

Correct: C

2. Why does AgentOutputSchema sometimes wrap output types inside a dictionary?

A) To reduce nesting complexity of JSON Schema.
B) Because some types cannot be represented directly as JSON Schema objects.
C) To enforce strict_json_schema validation always.
D) To make all outputs compatible with BaseModel.

Correct: B

3. In validate_json, if _is_wrapped is True but the validated JSON does not contain the key "response", what happens?

A) It returns an empty dictionary.
B) It automatically adds "response": None.
C) It raises a ModelBehaviorError and attaches a SpanError for tracing.
D) It silently ignores the missing key and returns raw JSON.

Correct: C

4. Which of the following output types will not be wrapped in "response" by AgentOutputSchema?

A) pydantic.BaseModel
B) typing_extensions.TypedDict
C) dataclass
D) list[str]

Correct: A, B

5. What does the function _is_subclass_of_base_model_or_dict check for?

A) If the output_type is a subclass of dict only.
B) If the output_type is a subclass of BaseModel or dict.
C) If the output_type is a subclass of TypedDict only.
D) If the output_type is a dataclass.

Correct: B

6. In _type_to_str, what happens if the type has generic arguments like list[str]?

A) It returns 'list'.

B) It returns 'list[str]'.
C) It raises an error.
D) It returns 'typing.List'.

Correct: B

7. What does is_plain_text() return True for?

A) Only dict.
B) str or None.
C) BaseModel.
D) TypedDict.

Correct: B

8. Why does AgentOutputSchema enforce strict_json_schema by default?

A) To simplify developer debugging.
B) To increase the likelihood of correct JSON output from the model.
C) To ensure BaseModel works correctly.
D) To disable schema validation.

Correct: B

9. If strict_json_schema=True and the schema cannot be enforced, what happens?

A) The type is silently accepted.
B) A UserError is raised.
C) The schema is ignored.
D) The model output is wrapped.

Correct: B

10. What happens if you pass a simple int as output_type to AgentOutputSchema?

A) It is treated as plain text.
B) It is wrapped inside {"response": int}.
C) It raises a UserError.
D) It becomes a string.

Correct: B

11. What is the role of _WRAPPER_DICT_KEY in AgentOutputSchema?

A) It defines the JSON schema name.
B) It is the key 'response' used when wrapping non-BaseModel/dict types.
C) It stores strict_json_schema setting.
D) It identifies function_tool calls.

Correct: B

12. What does _json.validate_json do inside validate_json()?

A) Converts JSON into dict only.
B) Validates JSON against the given TypeAdapter.

C) Returns the schema definition.
D) Ignores invalid JSON.

Correct: B

13. If validate_json() sees a wrapped type but receives a primitive (e.g., int), what happens?

A) It returns the int.
B) It raises a ModelBehaviorError.
C) It silently wraps it.
D) It discards the value.

Correct: B

14. What is returned by name() in AgentOutputSchema?

A) Always 'response'.
B) A string representation of the output_type.
C) The model name.
D) The JSON schema type.

Correct: B

15. Why are dataclasses wrapped in 'response'?

A) They are subclasses of BaseModel.
B) They cannot be directly represented as JSON Schema.
C) They are treated as plain text.
D) They disable strict mode.

Correct: B

16. Which function is responsible for converting schema into strict mode?

A) validate_json
B) ensure_strict_json_schema
C) _is_subclass_of_base_model_or_dict
D) _type_to_str

Correct: B

17. What happens if you pass just 'list' as output_type instead of list[str]?

A) It is treated as BaseModel.
B) origin=None, so wrapping occurs.
C) It is treated like TypedDict.
D) It bypasses wrapping.

Correct: B

18. What is the purpose of attaching SpanError in validate_json failures?

A) To log tracing errors for debugging.
B) To automatically fix JSON.
C) To ignore user errors.

D) To convert schema to BaseModel.

Correct: A

19. What happens if output_type=None is passed to AgentOutputSchema?

A) It is treated as plain text.
B) It raises UserError.
C) It is wrapped in 'response'.
D) It becomes a dict.

Correct: A

20. Can ModelSettings be reused across multiple agents?

A) No, it's tied to one agent only.
B) Yes, it can be shared by multiple agents.
C) Only if strict_json_schema=False.
D) Only with TypedDict output.

Correct: B