



AACE International AACE-PSP Practice Questions

Shared by Blankenship on 13-10-2026

For More Free Questions and Preparation Resources

Check the Links on Last Page



Question 1

Question Type: MultipleChoice

What owner action could have mitigated the late completion of the project?

Options:

- A- Hire a more senior project manager.
- B- Self-perform more of the work.
- C- Use a procurement agent to monitor and expedite equipment deliveries.
- D- Prepare better structural steel drawings.

Answer:

C

Explanation:

Mitigating Late Completion:

A procurement agent could monitor and expedite long-lead equipment, reducing delivery delays that often affect project timelines.

Evaluation of Other Options:

A: Hiring a senior project manager may not address the specific issue.

B: Self-performing may not resolve procurement delays.

D: Better structural steel drawings relate to design, not equipment delays.

Verification with PSP Guidelines: PSP emphasizes early identification and mitigation of procurement risks (Ref: PSP Study Guide, Chapter 2B: Procurement and Supply Chain Management).

Question 2

Question Type: MultipleChoice

Based on the available scope information and required accuracy, different cost estimated models or methodologies are utilized Which of the following statements is NOT true?

Options:

- A- The Deterministic model is used when Class 3 through 1 estimates are required
- B- The Parametric model is used when Class 5 or Class 4 estimates are required
- C- The Deterministic model is used when Class 5 through 3 estimated are required
- D- The Parametric model is used when detailed quantities are not known

Answer:

C

Question 3

Question Type: MultipleChoice

If a cost estimate assumes that 240 hours will be expended on a given activity, and the projected crew size expected to perform that activity is 5 personnel working and 8-hour workday, What is the calculated duration for the activity?

Options:

- A- 8 days
- B- 6 days
- C- 4 days
- D- 5 days

Answer:

B

Explanation:

To calculate the duration:

Total hours required: 240 hours.

Daily work hours per crew: 5 workers 8 hours/day = 40 hours/day.

Duration = Total hours Daily work hours = $240 / 40 = 6$ days.

This calculation aligns with standard resource planning principles.

Question 4

Question Type: MultipleChoice

Due to a testing delay, release of the product for manufacture is delayed by 5 workdays and the product manual misses its print window at the printer. If the printer is delayed by 10 workdays, What is the delay to produce release?

Options:

- A- 15 days.
- B- 0 days.
- C- 5 days.
- D- 10 days.

Answer:

A

Explanation:

Situation Analysis:

A 5-day delay in product release impacts the printing window.

The printer is further delayed by 10 workdays.

Total Delay Impact Calculation:

The combined impact of the testing and printing delays = $5 + 10 = 15$ days.

This results in a cumulative delay in product release.

Cross-Verification:

Option B: Incorrect. Ignores delays entirely.

Option C: Incorrect. Assumes only one source of delay.

Option D: Incorrect. Underestimates delay impact.

Option A: Correct. Matches the calculated total delay.

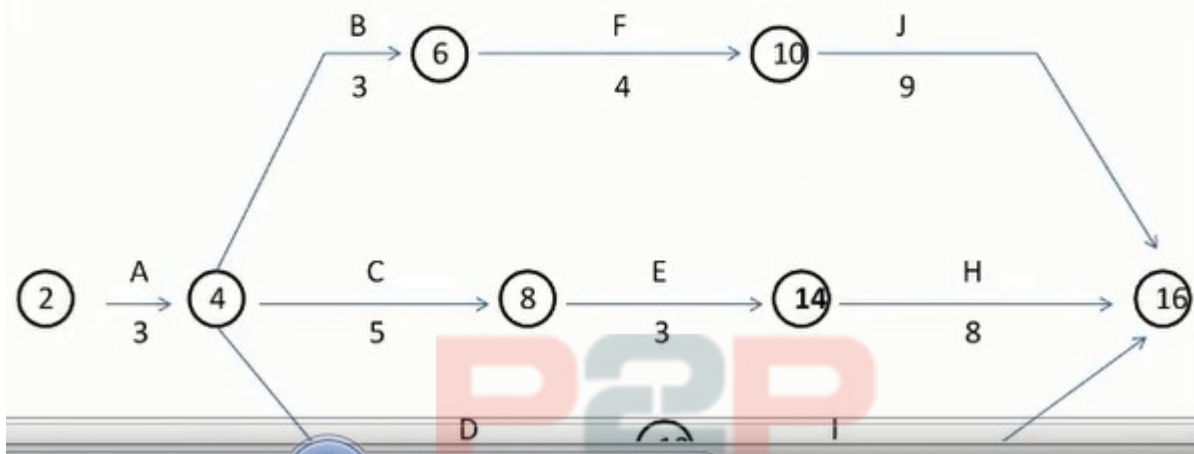
Question 5

Question Type: MultipleChoice

The activity with the most total float is:

Refer to the following table and diagram to answer the following questions. Consider this to be the entire network. The diagram is incomplete. This table represents activities, predecessors and durations for a hazardous waste incineration facility.

Activity	Description	Predecessors	Duration (months)
A	Develop information for public hearings	-	3
B	Hold public hearings	A	3
C	Develop draft plans and specifications	A	5
D	Contact stakeholders and others	A	7
E	Obtain permits	B, C	3
F	Order equipment for facility	B	4
G	Procure and prepare land.	B	6
H	Construct facility	D, E, F & G	8
I	Approval of operating procedures	D	6
J	Install equipment, staff, faculty	F	9



Options:

- A- Activity I.
- B- Activity C.
- C- Activity F.
- D- Activity D.

Answer:

C

Explanation:

Understand Total Float: Total float is the amount of time an activity can be delayed without affecting the project completion date.

Review the Network Diagram and Logic:

Activity F is not on the critical path, which allows for flexibility.

Analyzing the paths and slack in the diagram confirms that Activity F has the most total float.

Cross-Verification:

Option A: Incorrect. Activity I is on the critical path with no float.

Option B: Incorrect. Activity C is not the most flexible.

Option D: Incorrect. Activity D has limited slack.

Option C: Correct. Activity F has the maximum total float.

Question 6

Question Type: MultipleChoice

Using the normal schedule, theoretically construct a hammock for activities 6001-6003. What is the duration of the hammock?

Options:

A- 407 days

B- 255 days

C- 267 days

D- 477 days

Answer:

C

Question 7

Question Type: MultipleChoice

What owner action could have mitigated the late completion of the project?

Options:

- A- Hire a more senior project manager.
- B- Self-perform more of the work.
- C- Use a procurement agent to monitor and expedite equipment deliveries.
- D- Prepare better structural steel drawings.

Answer:

C

Explanation:

Mitigating Late Completion:

A procurement agent could monitor and expedite long-lead equipment, reducing delivery delays that often affect project timelines.

Evaluation of Other Options:

A: Hiring a senior project manager may not address the specific issue.

B: Self-performing may not resolve procurement delays.

D: Better structural steel drawings relate to design, not equipment delays.

Verification with PSP Guidelines: PSP emphasizes early identification and mitigation of procurement risks (Ref: PSP Study Guide, Chapter 2B: Procurement and Supply Chain Management).

Question 8

Question Type: MultipleChoice

Using the "normal" schedule, given Activity 3001 and the relationship with Activity 4001, what is indicated?

ID	Activity	Logic			Normal Schedule		Crashed Schedule	
		Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	\$3,080,000	910	\$2,902,900
1001	Preliminary Civil Work	1000 2001 7001	SS FS FS		85	\$563,000	67	\$728,000
2001	River Diversion Stage 1	2002	FS		92	\$150,000	75	\$190,000
2002	River Diversion Stage 2	2003	FS		38	\$25,000	28	35,000
2003	River Diversion Dam	2004 3001	FS FS		15	\$18,000	11	\$20,000
2004	River Diversion to Pipeline	3001 7001	FS FS		38	\$96,000	38	\$96,000
3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	\$482,000	100	\$515,000
4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45 45	152	\$608,000	118	\$692,000
5001	Drill and Grout Dam Site	6001	FS		102	\$637,000	92	\$650,000
6001	Rock Fill: to elevation 25	6002	FS		140	\$1,352,000	105	\$1,470,000
6002	Rock Fill: to elevation 38	6003	FS		115	\$969,000	95	\$1,125,000
6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	\$1,360,000	113	\$1,540,000
7001	Permanent Roads	11001 9004	FS FS		48	\$180,000	38	\$205,000
8001	Valve House Embankment	9004	FS		28	\$28,000	22	\$36,000
9001	Spillway – Concrete	11001 9002 9003	FS FS FS		175	\$1,120,000	155	\$1,305,000
9002	Dam Concrete Facing – Concrete	1001 9005	FS FS		180	\$1,260,000	160	\$1,485,000
9003	Inlet Tower – Concrete 1 of 2	9005	FS	7	70	\$275,000	65	\$295,000
9004	Valve House – Concrete	10002	FS	7	72	\$245,000	66	\$265,000
9005	Inlet Tower – Concrete 2 of 2	10001	FS	7	35	\$28,000	35	\$28,000
10001	Inlet Tower – Complete	11001	FS		25	\$147,000	25	\$147,000
10002	Valve House –	10001	FS		24	\$132,000	24	\$133,000

Options:

- A- These activities are concurrent with Activity 4001 starting 15 days after the start of Activity 3001.
- B- These activities are concurrent with Activity 4001 starting 15 days earlier than the start of Activity 3001.
- C- The activities occur in series with a 15-day lag.
- D- The activities run concurrently.

Answer:

A

Explanation:

Analyze the Relationship Details: The table shows that Activity 3001 ('Excavation, Dam Site') and Activity 4001 ('Excavation, Spillway') have a Start-to-Start (SS) relationship with a lag of 15 days. A Start-to-Start relationship indicates that the successor activity (4001) can only start after a specified lag period once the predecessor activity (3001) begins.

Understand the Concept of Lag: In scheduling terminology, lag refers to a delay or waiting period between the start (or finish) of one activity and the start (or finish) of a dependent activity. Here, the 15-day lag means that Activity 4001 will commence 15 days after Activity 3001 has started.

Interpret the Relationship: The SS relationship combined with a lag indicates that the two activities (3001 and 4001) are not starting exactly at the same time but are still overlapping or concurrent. This concurrency happens after the lag period elapses.

Verify PSP Study Guide and Relevant Terminology: According to AACE International's Recommended Practices and the PSP Certification Study Guide:

Start-to-Start relationships are widely used to model overlapping work in schedules where one activity can start before its predecessor is fully complete (PSP Study Guide, Chapter on Scheduling Relationships and Constraints).

Lags provide flexibility to model realistic conditions where tasks start partially overlapping or with delays (PSP Study Guide, Section 2.2.4 Relationships).

Cross-Check the Answer Options:

Option A (Correct): Matches the described logic -- 'These activities are concurrent with Activity 4001 starting 15 days after the start of Activity 3001.'

Option B: Incorrect -- Lag is applied to the successor activity, meaning 4001 cannot start earlier than 3001.

Option C: Incorrect -- This relationship (SS with a lag) indicates concurrency, not series.

Option D: Incorrect -- Though concurrent, the lag makes the start times offset by 15 days, so

they do not start at the same time.

PSP Study Guide (2019), Chapter 2A -- Schedule Development, Section 2.2.4 -- Relationships.

AACE International Recommended Practices, RP 10S-90, 'Cost Engineering Terminology.'

Total Cost Management Framework, Concepts of Activity Relationships and Scheduling Dependencies.



To Get Premium Files for AACE-PSP Visit

<https://www.p2pexams.com/products/aace-psp>

For More Free Questions Visit

<https://www.p2pexams.com/aace-international/pdf/aace-psp>

20%
DISCOUNT

P2P
exams