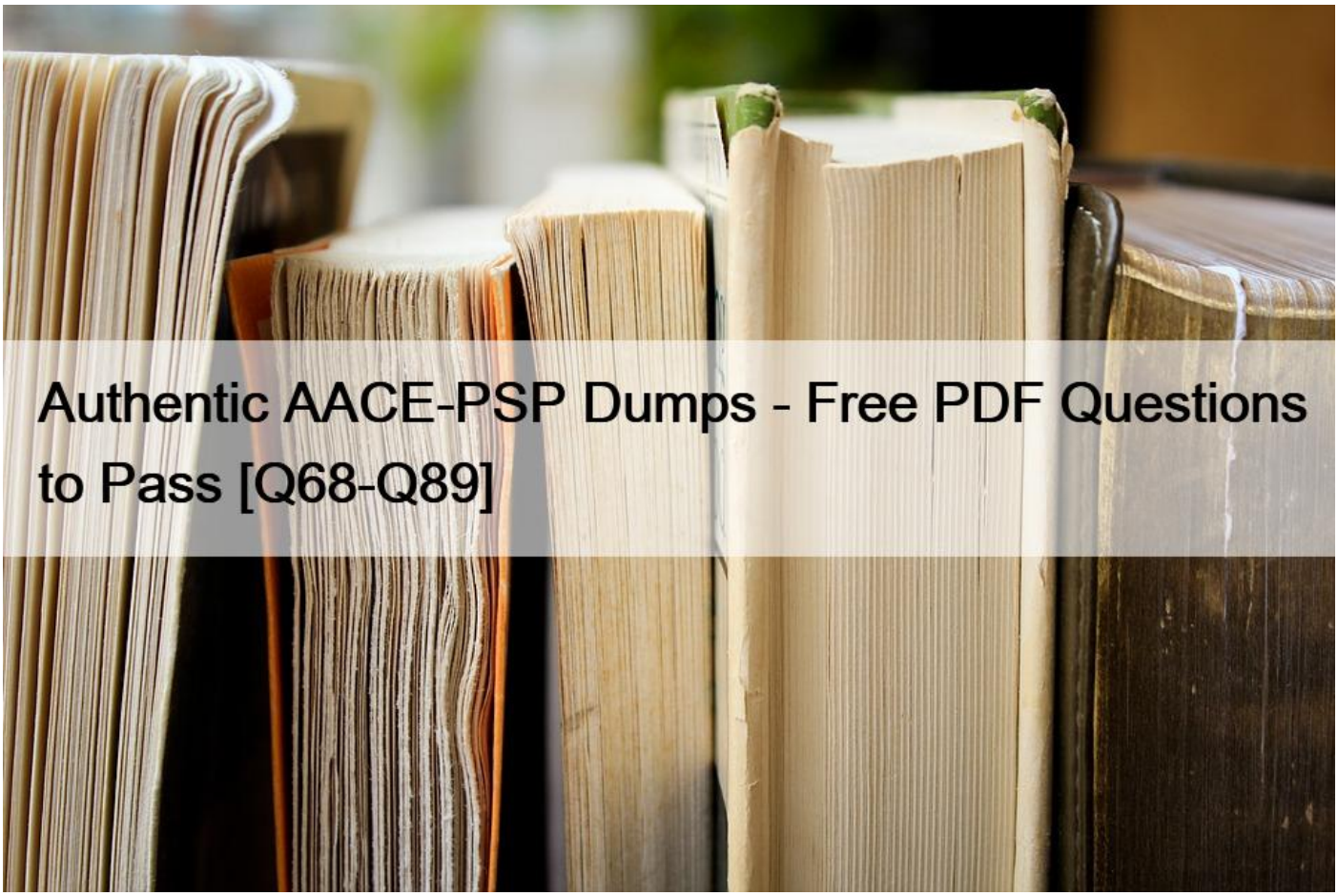
Authentic AACE-PSP Dumps - Free PDF Questions to Pass [Q68-Q89



Authentic AACE-PSP Dumps - Free PDF Questions to Pass
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The benefit of obtaining the Planning & Scheduling Professional (PSP) Exam Certification

Certifications offered by the Association for the Advancement of Cost Engineering (AACE) have been a mark of distinction for more than thirty years, and more and more employers are requiring these certifications as a prerequisite for jobs. PSP is one of AACE's commonly recognized qualifications that cover subjects related to the preparation and scheduling of projects. Obtaining an AACE qualification also leads to greater peer acceptance and increases job and income prospects.
While a licensed professional engineer is usually considered ?certified? in any field in which he or she works (imposing self-discipline to not ?practice outside one's areas of expertise?), for both licensed engineers and unlicensed technicians, the national mood is to require certification in specialty disciplines. A welcome response to the increased power of our software tools in education and training in theory as well as practice and qualification regulated by our professional societies, such as AACE (with the PSP exam noted above and PMI (with the PMI-SP exam).

Topics of Planning & Scheduling Professional (PSP) Exam

The Planning & Scheduling Professional (PSP) Exam consists of two main sections, Planning and Scheduling, each further broken down into two sub-sections. The core topics for each of the two sections are listed below. These contents are likely to be used for the examination. However, on any particular delivery of the test, other similar topics could also appear.

Applicants are recommended to use these contents and/or other resources including **PSP exam dumps** where possible to provide background information on the exam objectives. The syllabus for the Planning & Scheduling Professional (PSP) Exam is listed below with detail of each section and their topics:

1. Planning - PLANNING DEVELOPMENT

Learning Objectives:

- Scaling of the planning process must be appropriate and equally weighted to each phase of work to achieve a balanced and usable product.- When conditions change, the planning process and deliverables should be examined and updated as necessary. The plan for one phase of a project offers a pattern for developing the plan or next phase of the project as well as the project as a whole.- Recognize that the planning process is a dynamic process repeated throughout each phase of a program or project life cycle.- Understand the fundamental concepts of the planning process and its terminology.- Effective implementation of a plan results in a schedule.

Objectives covered by this section:

INPUT & DATA

- Contract types- Constructability Methods- General and special conditions- Change management- Delivery methods

CONSIDERATIONS & CONSTRAINTS

- Stakeholder Consideration- Identification of Resources- Project Variables- Value Engineering

2. Planning - PLANNING PRODUCT

Objectives covered by this section:

OUTPUT & DELIVERABLES

- Phase Definition- Periodic Forecasts- Review by Stakeholders- Define Project Goals- Establish Work Breakdown Structure- Establish Cost Breakdown Structure- Define the Project Plan- Establish Organization Breakdown Structure- Define the Scope of Work- Baseline Plan- Sequencing & Phase Relationship

3. Scheduling - Schedule Development

Objectives covered by this section:

Input & Data

- Breakdown structure relationships- Schedule specification- Feedback from stakeholders- Define Schedule and scope- Cost estimation model

Creating Schedule

- Schedule basis documentation- Cost and resources- Milestones- Schedule quality analysis- Relationships

4. Scheduling - Schedule Maintenance & Controlling

Objectives covered by this section:

Maintain Schedule

- Schedule change management- Cost & resource management- Tracking schedule progress

Output and Deliverables

- Recovery schedules- Variances and trends- Schedule analysis- Progress reports and reviews- Management summary- Constructability review- Control level schedules **NO.68** 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?

* 15 days.
* 0 days.
* 5 days.
* 10 days.

NO.69 Which of the following are NOT considerations or constraints of the planning process for construction scheduling?

* Consideration of all stakeholders.
* Value engineering.
* Project variables.
* Interest rate of owner’s construction bonds.

NO.70 At the end of month one, did the delay to the parking structure foundation delay the project?

* NO.
* Yes, by 4 calendar days.
* Yes, by 14 calendar days.
* Yes, by 9 calendar days.

NO.71 In the “normal” schedule, excluding Activity 1000, what activity(s) are concurrent with Activity 3001?

		Logic			Normal Schedule		Crashed Schedule	
ID	Activity	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 25	52	$608,000	118	$692,000
5001	Drill and Grout Main 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

* 2003 and 7001.
* 2004.
* 4001, 5001 and 6001.
* 4001 and 5001.

NO.72 Activity 1001 started on the scheduled date but has slipped 10 days. Activity 10002 will slip 35 days. All remaining activities retain their original duration. What is the revised completion date?

		Logic			Normal Schedule		Crashed Schedule	
ID	Activity	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
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3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	$482,000	100	$515,000
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10001	Inlet Tower – Complete	11001	FS		25	$147,000	25	$147,000
	Valve House –	10001	FS		24	$132,000	24	$133,000

* 02-19-04
* 03-21-04
* 03-11-04
* 03-20-04

NO.73 You are developing a detailed critical path schedule for a proposed petrochemical plant. The schedule will become a part of the project baseline document, which will be sent to the company’s board of directors for its consideration. What document or resource is likely to be MOST valuable in determining the schedule’s work activity durations?

* Industry publications.

* Critical path schedules prepared by you for similar completed projects.
* The Petrochemical Industry New Plant Task Duration Handbook.
* The cost estimate for the plant prepared by your firm’s estimating department.

NO.74 Based on the stated costs, what percentage of the total cost comes from the 2000 series of activities?
* 3.9% (1 : 25.708)
* 2.3% (1 : 43.501).
* 9.1% (1 : 11.000).
* 8.6% (1 : 11.591)

NO.75 Assuming a total of 30 lifts per crane per day, what is the maximum number of lifts that could be accomplished using 3 small tower cranes over a 5-day period?

Small Tower Crane

Typical capacity for a Small Crane

Maximum Load 5 tons

Minimum Load 1.5 tons

Operation	Time (in minutes)
Sling Up	5
Hoist Up	4
Discharge	3
Clear Unload Area	3
Hoist Down	2

* 450 lifts
* 300 lifts
* 45 lifts
* 150 lifts

NO.76 How much Total Float does drafting the product manual have?

PSP Scenario #4

Product Development has established the following items with the duration required for each need to be accomplished in order for the release of a new product. Once Product Testing is complete, both Release for Manufacture and Drafting of a Product manual can proceed. Proofing and correction of the manual is required prior to printing. Manufacturing and printing of the manual are required to package and make the product available.

ID	Activity Description	Duration	Predecessors
A	Complete Product Testing	30	-
B	Release for Manufacture	0	A
C	Draft Product Manual	20	A
D	Manufacture Product	60	B
E	Proof Product Manual	10	C
F	Print Project Manual	20	E
G	Package Product	10	D, F
H	Product Available Date	0	G

* 15 workdays.
* 0 workdays.
* 10 workdays.
* 5 workdays.

NO.77 Which is NOT an industry-recognized methodology for quantifying critical delay?
* Gantt Chart.
* Periodic Windows.
* Collapsed As-Built.
* Time Impact.

NO.78 Free float is the
* Difference between the early dates and late dates of an activity.
* Amount of time the early start of an activity can be delayed without impacting the early start of the successor activity.
* Difference between the early finish dates and late finish dates of an activity.
* Difference In float value of the critical path activities and the float value of the specific activity being analyzed.

NO.79 Midway through the project you received an executed change order for this project, adding thirty-three days to the contract for weather delays. In its simplest form, how would your next project update display the changed condition?

		Logic			Normal Schedule		Crashed Schedule	
ID	Activity	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
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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	132	$1,708,000	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

* After Activity 1000, add a new Activity 1050 with a start-to-start relationship to Activity 1000, and tie the end of this new activity with a finish-to-finish relationship to the final activity of the project.
* After Activity 1000, add a new Activity 1010 with a finish-to-start relationship to Activity 1000, and tie the end of this new activity with a finish-to-start relationship to the final activity of the project.
* After Activity 1001, add a new Activity 1011 with a finish-to-start relationship to Activity 1000, and tie the end of this new activity with a finish-to-start relationship to the final activity of the project.

NO.80 Using the “normal” schedule, if you start Activity 7001 on April 1, 2002, and using a 5-day workweek, what the finish date for Activity 7001?

		Logic			Normal Schedule		Crashed Schedule	
ID	Activity	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
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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	[illegible]	$[illegible]08,000	118	$692,000
5001	Drill and Grout Dam Site	6001	FS		102	$637,000	92	$650,000
[illegible]	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
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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
[illegible]	Valve House –	10001	FS		24	$132,000	24	$133,000

* 06-11-02.
* 06-04-02.
* 06-18-02.
* 06-05-02.

NO.81 Theoretically construct a summary activity for activities 2001 through 2004. Using the “normal” schedule, what is the cost of the hammock?

		Logic			Normal Schedule		Crashed Schedule	
ID	Activity	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
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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			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
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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

* $271,000
* $299,000
* $139,000
* $289,000

NO.82 Determine the correct formula and date for the late finish for Activity 2001.

		Logic			Normal Schedule		Crashed Schedule	
ID	Activity	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
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4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45		$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
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6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	$1,360,000	113	$1,540,000
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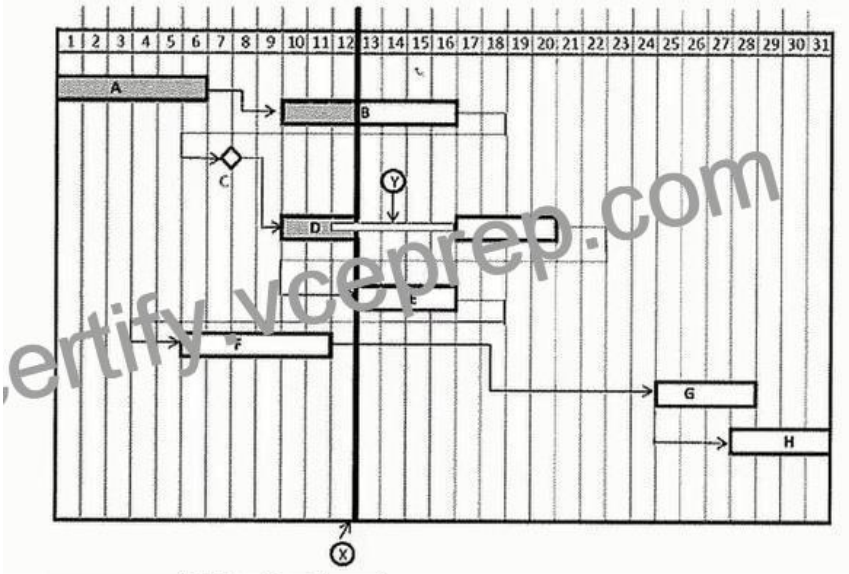
10001	Inlet Tower – Complete	11001	FS		25	$147,000	25	$147,000
10002	Valve House –	10001	FS		24	$132,000	24	$133,000

* LF.2001 – 1 day -> 08-28-01.
* LS.2002- 1 day-> 08-29-01.
* LS.2002 + 1 day -> 08-30-01.
* LS.2002 – 1 day -> 08-28-01.

NO.83 Which activity is drawn in the incorrect position?

Refer to the time-scaled network diagram and other information to answer the following questions. Please consider this to be the entire network.



	Original Duration
Activity A	5
Activity B	5
Activity C	0
Activity D	5
Activity E	4
Activity F	3
Activity G	4

* Activity G.
* Activity E.
* Activity C.
* Activity D.

NO.84 A driving relationship is _____.
* A critical relationship.
* A finish-to-start relationship.
* The link between two related activities.
* The link between a predecessor and the activity whose dates it controls.

NO.85 If the administrative constraints for developing the precedence diagram, as provided in the contract documents, indicate that no individual construction activities shall have a longer duration of two months, how many activities in the “normal” schedule would be affected?

		Logic			Normal Schedule		Crashed Schedule	
ID	Activity	Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	$3,080,000	910	$2,902,900
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4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45	[illegible]	[illegible]	118	$692,000
5001	Drill and Grout Dam Site	6001	FS		102	$637,000	92	$650,000
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6002	Rock Fill: to elevation 38	6003	FS		115	$969,000	95	$1,125,000
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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
[illegible]	Valve House –	10001	FS		24	$132,000	24	$133,000

* 12.
* 14.
* 13.
* Cannot be determined.

NO.86 What owner action could have mitigated the late completion of the project?
* Hire a more senior project manager.
* Self-perform more of the work.
* Use a procurement agent to monitor and expedite equipment deliveries.
* Prepare better structural steel drawings.

NO.87 If a detailed estimate is NOT available to assist in the formulation of activity durations but unit quantities have been

identified, what information can be utilized to estimate work package/activity durations?

* The Eichleay formula
* Historical production rates
* Time impact analysis
* Black-Scholes model

NO.88 The expected remaining cost needed to complete an activity, group of activities or the project is the_____.

* Budget at completion (BAC)
* Budgeted cost of work performed (BCWP)
* Estimate to complete (ETC)
* Estimate at completion (EAC)

NO.89 Determine the correct formula and date for the late finish for Activity 9004.

		Logic			Normal Schedule		Crashed Schedule	
ID	Activity	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	[illegible]	[illegible]	118	$692,000
5001	Drill and Grout Main Site	6001	FS		102	$637,000	92	$650,000
[illegible]	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
[illegible]	Valve House –	10001	FS		24	$132,000	24	$133,000

* LS.10002 + 1 day -> 11-29-03.
* LS.10002 Lag.7 + i day -> 11-20-03.
* LS.10002 – 1 day -> 11-27-03.
* LS.10002 – Lag.7 – l day -> 11-20-03.

Difficulty in Writing Planning & Scheduling Professional (PSP) Exam

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