

DUMPS ARENA

**Certified Cost Consultant / Cost Engineer
(AACE International)**

Test Prep CCE-CCC

Version Demo

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QUESTION NO: 1

A major theme park is expanding the existing facility over a five-year period. The design phase will be completed one year after the contract is awarded. Major engineering drawings will be finalized two years after the design contract is awarded and construction will begin three years after the award of the design contract. New, unique ride technology will be used and an estimate will need to be developed to identify these costs that have no historical data.

The following question requires your selection of CCC/CCE Scenario 26 (2.5.50.1.2) from the right side of your split screen, using the drop down menu, to reference during your response/choice of responses.

Which statement best describes the type of information available for a design phase estimate?

- A.** Home office detail, specific vendor quotes, preliminary quantities with labor and material factors applied
- B.** Square footage of buildings, factored indirects, types of rides and exhibits identified, utility requirements, conceptual layouts
- C.** Detailed construction drawings, quantity takeoffs, detailed labor hours and material costs applied, quotes from all major subcontractors
- D.** Utility requirements, detailed building plans and (- specifications, types of rides and exhibits identified, all vendor quotes or estimates received from subcontractors

ANSWER: D**QUESTION NO: 2**

You have estimated that the present day price for a piece of equipment is \$350,000. The delivery of the equipment is scheduled 30 months from today. The price of the equipment has been separated into the following categories:

Category	Percent
Steel	30
Copper	30
Manufacturing Labor	40

Based on information from forecasting services, the current cost index value and the expected inflation rate for each commodity is as follows:

INFLATION RATE (projected)

Commodity	Current Index	Year 1	Year 2	Year 3	Year 4
Steel	2.40	2.5%	2.5%	3.0%	2.0%
Copper	4.20	1.0%	1.5%	2.0%	2.0%
Manufacturing Labor	6.50	2.5%	3.0%	3.0%	3.5%

The following question requires your selection of CCC/CCE Scenario 6 (2.7.50.1.3) from the right side of your split screen, using the drop down menu, to reference during your response/choice of responses.

Calculate the mean unit cost.

- A. \$48.09
- B. \$48.22
- C. \$48.35
- D. \$46.59

ANSWER: D

QUESTION NO: 3

You are analyzing historic unit costs for 18" Class 5 reinforced concrete pipe in a database. The unit costs include all costs - material, labor, equipment, and other, for the excavation, bedding, pipe and backfill. Refer to the following table.

BID DATE	LOCATION	ESTIMATED QUANTITY	UNIT COST
3/11/03	Cincinnati, OH, USA	147	\$55.00
9/14/05	Eau Clair, WI, USA	143	\$34.50
8/17/06	Louisville, KY, USA	462	\$37.30
8/31/05	Atlanta, GA, USA	530	\$55.00
11/19/04	Atlanta, GA, USA	308	\$40.00
1/26/05	Atlanta, GA, USA	45	\$26.78
2/21/07	Denver, CO, USA	256	\$46.59
4/18/06	Colorado Springs, CO, USA	176	\$75.00
4/18/06	Colorado Springs, CO, USA	80	\$65.00

The following question requires your selection of CCC/CCE Scenario 6 (2.7.50.1.3) from the right side of your split screen, using the drop down menu, to reference during your response/choice of responses.

What is the relative frequency of unit costs amounting to \$55.00/unit?

- A. 22.22%
- B. \$55.00
- C. 2
- D. 338.5

ANSWER: A

QUESTION NO: 4

A major theme park is expanding the existing facility over a five-year period. The design phase will be completed one year after the contract is awarded. Major engineering drawings will be finalized two years after the design contract is awarded and construction will begin three years after the award of the design contract. New, unique ride technology will be used and an estimate will need to be developed to identify these costs that have no historical data.

The recognition of loss of value of a natural resource used in the production process is referred to as:

- A. Capital reduction
- B. Net loss

- C. Depreciation
- D. Depletion

ANSWER: D

QUESTION NO: 5

The four steps to writing are:

- A. Introduction, paragraph, conclusion, works cited
- B. Start, write, complete, revise
- C. Abstract, body conclusion, bibliography
- D. Plan, write, cool, revise

ANSWER: D

QUESTION NO: 6

An agricultural corporation that paid 53% in income tax wanted to build a grain elevator designed to last twenty-five (25) years at a cost of \$80,000 with no salvage value. Annual income generated would be \$22,500 and annual expenditures were to be \$12,000.

Answer the question using a straight line depreciation and a 10% interest rate.

If \$50 was invested at 6.0% on January 1, year 1, what would be the value of year-end withdrawals made in equal amounts each year for 10 years and leaving nothing in the fund after the tenth withdrawal?

- A. \$6.80
- B. \$3.10
- C. \$5.35
- D. \$2.22

ANSWER: A

QUESTION NO: 7

A work breakdown structure (WBS) is developed because:

- A.** It avoids omissions of key product activities through a systematic planning process; removes the complexity of the project by dividing it into manageable units; and provides a framework.
- B.** It defines specific tasks within a project from which schedules can be developed; it aids in linking activities with resources; it facilitates communication; and it allows integration of project plans
- C.** It can be illustrated by individual bars for major phases, such as permitting, funding, engineering, procurement construction, commission/startup
- D.** It can be illustrated by a simple bar, with important milestones represented by symbols at the planned time of occurrence

ANSWER: B

QUESTION NO: 8

An agricultural corporation that paid 53% in income tax wanted to build a grain elevator designed to last twenty-five (25) years at a cost of \$80,000 with no salvage value. Annual income generated would be \$22,500 and annual expenditures were to be \$12,000.

Answer the question using a straight line depreciation and a 10% interest rate.

The following question requires your selection of CCC/CCE Scenario 17 (4.2.50.1.1) from the right side of your split screen, using the drop down menu, to reference during your response/choice of responses.

What is the "book value (BV) of the asset at the end of 5 years?

- A.** \$64,000
- B.** \$16,000
- C.** \$3,200
- D.** \$60,000

ANSWER: A

QUESTION NO: 9

You have been hired as the cost engineer for a mechanical contractor and have been provided the following information:

Total budgeted hours 12,000
The planned project duration in days 130

Rules of credit are as follows:

Pipe received	5%
Hangers installed	10%
Pipe in place	30%
Welded	50%
Flushed	5%

The following question requires your selection of CCC/CCE Scenario 2 (2.3.50.1.2) from the right side of your split screen, using the drop down menu, to reference during your response/choice of responses.

6,573 hours have been expended to date. Planned completion at this time is 60%. The project is determined to be 55% complete. How many hours have been earned?

- A. 6,600
- B. 6,960
- C. 7,200
- D. 6,573

ANSWER: D

QUESTION NO: 10

An agricultural corporation that paid 53% in income tax wanted to build a grain elevator designed to last twenty-five (25) years at a cost of \$80,000 with no salvage value. Annual income generated would be \$22,500 and annual expenditures were to be \$12,000.

Answer the question using a straight line depreciation and a 10% interest rate.

The main financial objective of many enterprises is:

- A. To maximize the total long-term economic return
- B. Subject to a well-conceived quality control plan
- C. To balance opportunities and risks
- D. Dependent on the backlog projects and the availability of resources

ANSWER: A