

2002

Data for Question 20 (4 points)

Mandatory employee contributions: 1% of compensation.

Actuarial cost method: Aggregate.

Valuation interest rate: 7% per year.

Selected valuation results as of 1/1/2002:

Present value of projected benefits provided by employer contributions	\$1,280,000
Present value of projected benefits provided by mandatory employee contributions	100,000
Actuarial (market) value of assets excluding accumulated employee contributions	195,000
Accumulated employee contributions	30,000
Present value of future compensation	5,400,000
2002 compensation	600,000

Credit balance in funding standard account as of 12/31/2001: \$0.

Question 20

In what range is the minimum required employer contribution for 2002 as of 12/31/2002?

- (A) Less than \$124,000
- (B) \$124,000 but less than \$129,000
- (C) \$129,000 but less than \$134,000
- (D) \$134,000 but less than \$139,000
- (E) \$139,000 or more

2003

Data for Question 14 (3 points)

The plan has mandatory employee contributions.

Actuarial cost method: Aggregate.

Valuation interest rate: 7% per year.

Selected valuation results as of 1/1/2003:

Actuarial (market) value of assets	\$275,000
Present value of total benefits	2,000,000
Present value of future employee contributions	250,000

Credit balance in funding standard account as of 12/31/2002: \$0.

Data for all participants in the plan as of 1/1/2003:

<u>Age</u>	<u>Number of Participants</u>
53	30
55	20

Question 14

In what range is the employer normal cost for 2003 as of 1/1/2003?

- (A) Less than \$175,000
- (B) \$175,000 but less than \$185,000
- (C) \$185,000 but less than \$195,000
- (D) \$195,000 but less than \$205,000
- (E) \$205,000 or more

2013

Data for Question 29 (2 points)

Type of plan: Multiemployer final average pay plan.

Funding method: Aggregate.

Mandatory employee contributions: 2.5% of compensation.

Credit balance as of 12/31/2013: \$0.

Selected valuation results as of 1/1/2014:

Present value of future benefits	\$7,200,000
Actuarial (market) value of assets including past employee contributions	4,500,000
Present value of future compensation	35,000,000
Total compensation for participants below age 65	3,500,000

Question 29

In what range is the employer normal cost as of 1/1/2014?

- (A) Less than \$190,000
- (B) \$190,000 but less than \$215,000
- (C) \$215,000 but less than \$240,000
- (D) \$240,000 but less than \$265,000
- (E) \$265,000 or more

2013

Data for Question 56 (3 points)

Type of plan: Multiemployer.

Actuarial cost method: Aggregate.

The plan requires mandatory employee contributions.

Selected information for the 2014 valuation:

Actuarial (market) value of assets	\$4,500,000
Present value of future benefits	10,000,000
Present value of future employee contributions	200,000
Present value of future compensation	6,500,000
Assumed annual compensation for 2014	1,000,000

Question 56

In what range is the employer normal cost as of 1/1/2014?

- (A) Less than \$825,000
- (B) \$825,000 but less than \$845,000
- (C) \$845,000 but less than \$865,000
- (D) \$865,000 but less than \$885,000
- (E) \$885,000 or more