Solution:

To do both parts, let's first create a table that shows comparative results.

Year	Sales	Accounts Receivables (EOY)	Bad Debts (Written Off)	% of Sales	% of AR
2011	680,000	90,000	12,000	1.76%	13.33%
2012	750,000	97,000	15,500	2.07%	15.97%
2013	750,000	103,000	14,000	1.87%	13.59%
2014	850,000	114,000	16,500	1.94%	14.47%
Total	**3,030,000**	**404,000**	**58,000**	**1.94%**	**14.36%**

Using this trend, we see that the estimated percentage is 1.94% if we go by sales & 14.36% if we go by the accounts receivables method.

Since we are using allowance method, the bad debt expense will be equal to the allowance for uncollectible account's credit in the year.

(1)

Using the percentage of sales method,

Allowance for 2025 = 1.94% of $840,000 = $16,296

Thus, we get:

Bad Debt Expense (2015) = $16,296

Allowance for Uncollectible Accounts net balance

= $16,100 + $16,296 - $17,630 = $14,766

(2)

Using the percentage of accounts receivable method,

Allowance for 2025 = 14.36% of $110,000 = $15,796

Thus, we get:

Bad Debt Expense (2015) = $15,796

Allowance for Uncollectible Accounts net balance

= $16,100 + $15,796 - $17,630 = $14,266