

## FINAL KEY FOR ANFR052023 – CHEMICAL ENGINEERING

← SET		→ SET	↑ SET	↓ SET
Question No.	Key	Question No.	Question No.	Question No.
1.	d	98.	47.	20.
2.	b	99.	48.	21.
3.	d	100.	49.	22.
4.	b	101.	50.	23.
5.	a	102.	51.	24.
6.	b	1.	99.	46.
7.	a	2.	100.	47.
8.	d	3.	101.	48.
9.	a	4.	102.	49.
10.	c	103.	150.	72.
11.	c	104.	151.	73.
12.	b	105.	152.	74.
13.	a	106.	153.	75.
14.	d	107.	154.	76.
15.	d	5.	1.	97.
16.	a	6.	2.	98.
17.	c	7.	3.	99.
18.	d	8.	4.	100.
19.	d	9.	5.	101.
20.	a	108.	52.	124.
21.	b	109.	53.	125.
22.	a	110.	54.	126.
23.	a	111.	55.	127.
24.	b	112.	56.	128.
25.	a	10.	103.	150.

*Ans*

*→*

*AB*

# FINAL KEY FOR ANFR052023 – CHEMICAL ENGINEERING

← SET		→ SET	↑ SET	↓ SET
Question No.	Key	Question No.	Question No.	Question No.
26.	b	11.	104.	151.
27.	c	12.	105.	152.
28.	a	13.	106.	153.
29.	b	14.	107.	154.
30.	d	113.	155.	175.
31.	c	114.	156.	176.
32.	d	115.	157.	177.
33.	c	116.	158.	178.
34.	b	117.	159.	179.
35.	a	15.	6.	1.
36.	c	16.	7.	2.
37.	c	17.	8.	3.
38.	b	18.	9.	4.
39.	c	118.	57.	25.
40.	a	119.	58.	26.
41.	c	120.	59.	27.
42.	b	121.	60.	28.
43.	c	122.	61.	29.
44.	c	19.	108.	50.
45.	b	20.	109.	51.
46.	d	21.	110.	52.
47.	d	22.	111.	53.
48.	c	23.	112.	54.
49.	c	123.	160.	77.
50.	a	124.	161.	78.

*Ans*

*8 2 1 1*

*AB*

## FINAL KEY FOR ANFR052023 – CHEMICAL ENGINEERING

← SET		→ SET	↑ SET	↓ SET
Question No.	Key	Question No.	Question No.	Question No.
51.	c	125.	162.	79.
52.	c	126.	163.	80.
53.	b	24.	10.	102.
54.	d	25.	11.	103.
55.	d	26.	12.	104.
56.	a	27.	13.	105.
57.	a	127.	62.	129.
58.	a	128.	63.	130.
59.	a	129.	64.	131.
60.	d	130.	65.	132.
61.	a	28.	113.	155.
62.	d	29.	114.	156.
63.	b	30.	115.	157.
64.	b	31.	116.	158.
65.	c	131.	164.	180.
66.	a	132.	165.	181.
67.	c	133.	166.	182.
68.	d	32.	14.	5.
69.	b	33.	15.	6.
70.	c	34.	16.	7.
71.	d	134.	66.	30.
72.	b	135.	67.	31.
73.	c	136.	68.	32.
74.	c	137.	69.	33.
75.	b	35.	117.	55.

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*

# FINAL KEY FOR ANFR052023 – CHEMICAL ENGINEERING

← SET		→ SET	↑ SET	↓ SET
Question No.	Key	Question No.	Question No.	Question No.
76.	b	36.	118.	56.
77.	d	37.	119.	57.
78.	a	38.	120.	58.
79.	a	138.	167.	81.
80.	b	139.	168.	82.
81.	c	140.	169.	83.
82.	d	141.	170.	84.
83.	b	39.	17.	106.
84.	c	40.	18.	107.
85.	b	41.	19.	108.
86.	d	42.	20.	109.
87.	b	43.	21.	110.
88.	c	142.	70.	133.
89.	c	143.	71.	134.
90.	d	144.	72.	135.
91.	b	145.	73.	136.
92.	c	44.	121.	159.
93.	b	45.	122.	160.
94.	d	46.	123.	161.
95.	c	47.	124.	162.
96.	c	146.	171.	183.
97.	d	147.	172.	184.
98.	b	148.	173.	185.
99.	d	149.	174.	186.
100.	d	48.	22.	8.

2/1/23

8 2 1 1

*(Handwritten signature)*

## FINAL KEY FOR ANFR052023 – CHEMICAL ENGINEERING

← SET		→ SET	↑ SET	↓ SET
Question No.	Key	Question No.	Question No.	Question No.
101.	c	49.	23.	9.
102.	b	50.	24.	10.
103.	d	150.	74.	34.
104.	b	151.	75.	35.
105.	d	152.	76.	36.
106.	a	153.	77.	37.
107.	c	154.	78.	38.
108.	b	51.	125.	59.
109.	b	52.	126.	60.
110.	c	53.	127.	61.
111.	c	54.	128.	62.
112.	b	55.	129.	63.
113.	c	155.	175.	85.
114.	a	156.	176.	86.
115.	d	157.	177.	87.
116.	b	158.	178.	88.
117.	d	56.	25.	111.
118.	b	57.	26.	112.
119.	c	58.	27.	113.
120.	b	59.	28.	114.
121.	d	159.	79.	137.
122.	c	160.	80.	138.
123.	c	161.	81.	139.
124.	d	162.	82.	140.
125.	b	60.	130.	163.

*2/16*

*A 21 =*

*ADB*

## FINAL KEY FOR ANFR052023 – CHEMICAL ENGINEERING

← SET		→ SET	↑ SET	↓ SET
Question No.	Key	Question No.	Question No.	Question No.
126.	c	61.	131.	164.
127.	c	62.	132.	165.
128.	d	163.	179.	187.
129.	b	164.	180.	188.
130.	c	165.	181.	189.
131.	b	63.	29.	11.
132.	c	64.	30.	12.
133.	d	65.	31.	13.
134.	c	66.	32.	14.
135.	d	166.	83.	39.
136.	c	167.	84.	40.
137.	c	168.	85.	41.
138.	a	67.	133.	64.
139.	c	68.	134.	65.
140.	c	69.	135.	66.
141.	b	70.	136.	67.
142.	b	169.	182.	89.
143.	c	170.	183.	90.
144.	d	171.	184.	91.
145.	d	172.	185.	92.
146.	a	71.	33.	115.
147.	c	72.	34.	116.
148.	d	73.	35.	117.
149.	a	74.	36.	118.
150.	b	75.	37.	119.

*2/16*

*8 2 1 6*

*APB*

## FINAL KEY FOR ANFR052023 – CHEMICAL ENGINEERING

← SET		→ SET	↑ SET	↓ SET
Question No.	Key	Question No.	Question No.	Question No.
151.	b	173.	86.	141.
152.	a	174.	87.	142.
153.	c	175.	88.	143.
154.	d	176.	89.	144.
155.	c	76.	137.	166.
156.	a	77.	138.	167.
157.	c	78.	139.	168.
158.	b	79.	140.	169.
159.	c	177.	186.	196.
160.	c	178.	187.	197.
161.	b	179.	188.	198.
162.	a	180.	189.	199.
163.	c	181.	190.	200.
164.	b	80.	38.	15.
165.	a	81.	39.	16.
166.	c	82.	40.	17.
167.	b	83.	41.	18.
168.	d	84.	42.	19.
169.	d	182.	90.	42.
170.	a	183.	91.	43.
171.	d	184.	92.	44.
172.	d	185.	93.	45.
173.	a	85.	141.	68.
174.	b	86.	142.	69.
175.	c	87.	143.	70.

2/15

8 2 1 1

APB

## FINAL KEY FOR ANFR052023 – CHEMICAL ENGINEERING

← SET		→ SET	↑ SET	↓ SET
Question No.	Key	Question No.	Question No.	Question No.
176.	d	88.	144.	71.
177.	c	186.	195.	190.
178.	b	187.	196.	191.
179.	b	188.	197.	192.
180.	c	189.	198.	193.
181.	a	190.	199.	194.
182.	c	191.	200.	195.
183.	d	89.	43.	120.
184.	b	90.	44.	121.
185.	b	91.	45.	122.
186.	c	92.	46.	123.
187.	c	197.	191.	93.
188.	b	198.	192.	94.
189.	a	199.	193.	95.
190.	b	200.	194.	96.
191.	b	93.	145.	170.
192.	c	94.	146.	171.
193.	c	95.	147.	172.
194.	b	96.	148.	173.
195.	c	97.	149.	174.
196.	a	192.	94.	145.
197.	d	193.	95.	146.
198.	b	194.	96.	147.
199.	c	195.	97.	148.
200.	c	196.	98.	149.

*2/16*

*→*

*2/16*