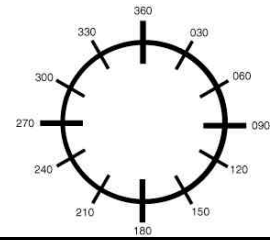


Instrument Intercepting and Tracking Practice Problems and Questions

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A. VOR Intercepting and Tracking

	Current Heading	Current Position	Intercept and Track	Intercept Heading
1.	090	090R	OB 070R	
2.	180	180R	OB 210R	
3.	250	270R	OB 340R	
4.	340	360R	OB 270R	
5.	360	060R	OB 100R	
6.	300	280R	OB 300R	
7.	240	190R	OB 180R	
8.	180	210R	IB 190R	
9.	360	030R	IB 360R	
10.	340	120R	IB 090R	
11.	310	330R	IB 290R	
12.	190	170R	IB 150R	
13.	290	080R	IB 060R	
14.	340	310R	OB 240R	
15.	160	070R	IB 040R	
16.	240	320 Course TO	OB 170R	
17.	150	160 Course TO	IB 010R	
18.	010	030 Course TO	OB 240R	
19.	060	240 Course TO	IB 270 Course TO	
20.	155	330 Course TO	OB 160R	

B. NDB Intercepting and Tracking Part I

	Current Heading	Current Position	Intercept and Track	Intercept Heading
1.	060	060 Brg FR	OB 080 Brg FR	
2.	210	270 Brg FR	OB 240 Brg FR	
3.	150	150 Brg FR	OB 180 Brg FR	
4.	180	360 Brg FR	OB 200 Brg TO	
5.	270	040 Brg FR	OB 190 Brg TO	
6.	120	150 Brg FR	OB 360 Brg TO	
7.	230	320 Brg FR	OB 190 Brg TO	
8.	360	200 Brg TO	IB 010 Brg FR	
9.	030	090 Brg TO	IB 250 Brg FR	
10.	060	240 Brg TO	IB 050 Brg FR	
11.	090	080 Brg TO	IB 240 Brg FR	
12.	090	070 Brg TO	IB 040 Brg TO	
13.	300	300 Brg TO	IB 330 Brg TO	
14.	330	150 Brg TO	OB 140 Brg TO	
15.	180	060 Brg FR	IB 200 Brg TO	
16.	180	220 Brg FR	OB 090 Brg TO	
17.	090	110 Brg FR	IB 280 Brg TO	
18.	360	010 Brg TO	OB 180 Brg TO	
19.	150	150 Brg TO	IB 090 Brg FR	
20.	210	300 Brg FR	OB 120 Brg TO	

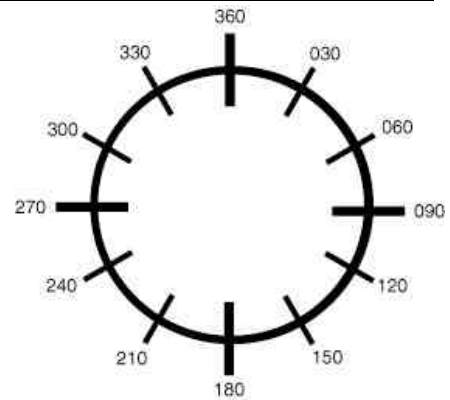
C. NDB Intercepting and Tracking Part II

	Current Heading	Current Position	Intercept and Track	Intercept Heading
1.	160	240 Brg FR	IB 100 Brg TO	020
2.	270	210 Brg TO	OB 010 Brg FR	330
3.	320	150 Brg TO	OB 300 Brg FR	240
4.	030	150 Brg FR	OB 350 Brg TO	210
5.	120	300 Brg FR	IB 280 Brg FR	140
6.	060	030 Brg TO	IB 250 Brg FR	350
7.	150	220 Brg TO	OB 250 Brg TO	130
8.	300	140 Brg TO	IB 290 Brg FR	170
9.	080	310 Brg TO	OB 100 Brg FR	040
10.	210	250 Brg FR	IB 100 Brg TO	040
11.	150	320 Brg FR	OB 280 Brg FR	200
12.	330	040 Brg FR	IB 010 Brg FR	250
13.	140	070 Brg TO	OB 230 Brg FR	190
14.	260	150 Brg TO	IB 360 Brg FR	120
15.	020	050 Brg TO	OB 250 Brg FR	290
16.	250	140 Brg TO	OB 170 Brg TO	050
17.	300	270 Brg FR	OB 250 Brg FR	210
18.	120	220 Brg FR	IB 260 Brg FR	360
19.	180	030 Brg FR	OB 170 Brg TO	270
20.	330	020 Brg FR	IB 160 Brg TO	240

General Rules

[Refer to Intercepting and Tracking Handout for complete specific rules]

1. Switch "Course TO" → Radial FR
Switch "Brg TO" → Brg FR
2. IB (Inbound) = Head/Bottom
OB (Outbound) = Tail/Top
3. Count from DESIRED Radial/Brg



Answers

	Section A – VOR	Section B - NDB	Section C - NDB
1.	030	120	020
2.	270	180	330
3.	080	240	240
4.	180	060	210
5.	180	310	140
6.	340	240	350
7.	160	050	130
8.	050	210	170
9.	240	110	040
10.	330	250	040
11.	190	100	200
12.	010	100	250
13.	280	240	190
14.	150	300	120
15.	280	280	290
16.	230	360	050
17.	130	300	210
18.	300	270	360
19.	210	180	270
20.	180	300	240