

REGULATION AND PROCEDURE

Q 26

Time allowed 25 minutes

Refer Chart No 4

Total Marks 100

Aircraft Identification: VT ATB	Flight Rules: I	Type of Aircraft: Citation
Departure Aerodrome: VOHS	Wake Turbulence: M	Type of Flight: G
Route: W41, W29, W90	Time: 1600	Level: FL 330
Destination Aerodrome: VEBS	Equipment: S	
Other Information: Chartered Flight		Alternate Aerodrome: VEVZ

Note 1

1. Answer all situations/questions in ascending order.
2. Use hypothetical data of procedural control. Usage of RDL and DME dist is recommended.
3. For message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
4. Continue answering till you are told to “Go to next question”.
5. Usage of Aviation Language and prescribed Phraseologies is mandatory.

Note 2. FIS provided by designated unit on 124.7

- 1 a. You have started up and plan to carry out cockpit checks after entering R/W.
- b. During Taxi, brakes have become hot. Take action.
- 2 ATD 1625. Approaching KM at cruising level, you see a Boeing crossing your flight path from left to right and going towards North. Take action.
3. You estimate VVZ 1710 and your are asked by the company to proceed to Kolkata. Take action.
4. On A 465 at IAF and FL 50, approach services has been terminated, carry out VOR approach for R/W 01L using DME. (Refer to chart AD2-VECC-VOR01L)
5. Transmit the following in aviation English.
 - a. VIBN aerodrome control VT ATT R/W 27 colour has changed due to recent rain.
 - b. 6E 702 VOBZ tower be careful, work is going on at end of R/W 33.
 - c. AI 7765 VARP tower set transponder code to 4200.
 - d. VORY tower VT ATT I want to lift up and taxi in air.
 - e. VAAU approach IT 756 I cannot comply with clearance due to TCAS resolution advisory.

1 a 6 UL 6	<u>Hyd Twr VT ATB Stand 2 Will be carrying out cockpit checks after lining up req Taxi</u>	VT ATB Clr taxi for R/W 27, Taxi Via A & G Hyd Twr
6	<u>Clr taxi for R/W 27, Taxi Via A & G VT ATB</u>	VT ATB confirm you will be increasing R/W occupancy time (Go to the next question)
	<u>Affirm VT ATB</u>	
1 b 2 Bld 8 3 UL 6 14	PAN x 3 Hyd Twr VT ATB on Taxiway A Brakes have become hot Stopping slowly <u>Req Fire fighting services</u>	Sending fire fighting services (Go to the next question)
2 2 Bld 12 4 UL 8 20	<u>Hyd Ctl VT ATB Airprox Safety not assured</u> <u>Psn KM FL330 TAS 350 IMC see a Boeing crossing your flight path from left to right and going towards North.</u>	(Go to the next question)
3 10 UL 20 20	<u>Kol Ctl VT ATB Psn VVZ ----- (time), FL 330</u> <u>Req change of destn to Kol, Routing A 465 , Est ISMON ----- (Time) Revised ETA CEA ----- (Time) TET 2 hrs Endu 4 hrs Revised alternate Jamshedpur</u>	Clr to Kol A 465, Rprt ISMON
4	<u>R/B</u>	(Go to the next question)
4	<u>Kol Twr VT ATB reporting IAF 13 DME</u> <u>CEA,,rdl 200 TL for VOR App R/W 01 L leaving FL50 for 2000</u>	Kol Twr
10UL 20	Kol Twr VT ATB reporting intermediate fix 11 DME 2000 ft <u>Kol Twr VTATB reporting FAF 5.7 DME</u>	Kol Twr
20	<u>Kol Ctl VT ATB on finals est VOR apch 01 L</u>	(Go to the next question)

Key 26

5 X 4 20

- a. Varanasi aerodrome control VT ATT R/W 27 surface damp.
- b. IFLY 702 Vijaywada tower exercise caution work in progress at end of R/W 33.
- c. Airindia 7765 Raipur tower squawk 4200.
- d. Rajmundry tower VT ATT request air taxi.
- e. Aurangabad approach Kingfisher 756 unable TCAS RA.

REGULATION AND PROCEDURE

Q 27

Time allowed 25 minutes

Refer Chart No 4

Total Marks 100

Aircraft Identification: VT ATB	Flight Rules: I	Type of Aircraft: Citation
Departure Aerodrome: VEJS	Wake Turbulence: M	Type of Flight: G
Route: G450, NNP, W38	Time: 1600	Level: FL 240
Destination Aerodrome: VABP	Equipment: S	
Other Information: Chartered Flight		Alternate Aerodrome: VAKJ

Note 1

1. Answer all situations/questions in ascending order.
2. Use hypothetical data of procedural control. Usage of RDL and DME dist is recommended.
3. For message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
4. Continue answering till you are told to “Go to next question”.
5. Usage of Aviation Language and prescribed Phraseologies is mandatory.

Note 2. FIS provided by designated unit on 124.7

1 a. During Taxi, you have taken a wrong turn and you come to a dead end. You are not sure where you are. Seek assistance.

b. During Taxi, you get hot tyre indication, you would like someone to check the tyres.

2 ATD 1625. Approaching OTABA at cruising level, you see thunder storm extending Northwards. Ask for deviation.

3. You reach JULIET, ATC calls you. Respond.

4. You have been cleared to land on ILS R/W 19 and you see a vehicle crossing the R/W. Take action. (Refer to chart AD2-VAKJ-ILS19)

5. Transmit the following in aviation English.

- a. VIBN aerodrome control VT ATT R/W 27 is soaked due to recent rain.
- b. 6E 702 VOBZ tower be careful, work is going on at end of R/W 33.
- c. AI 7765 VARP tower operate the special position identification feature.
- d. VIKJ VDF VT ATT what is my true bearing from you.
- e. IT 756 VAAH Approach control radar arrival call me when you cross radial 185 AAE.

1 a 1 Bld 2 4 UL 4	<u>Jms Twr VT ATB Taken a wrong turn inadvertently at Link 2 Reached Dead end</u> Req Follow Me.	Sending Follow Me, (Go to the next question)
6		
1 b 2 Bld 8 3 UL 6	PAN x 3 Jms Twr VT ATB on Taxiway A Get Hot tyre indication Stopping slowly Req Fire fighting service for carrying out visual check	Sending fire fighting services (Go to the next question)
14		
2 1 Bld 6 7 UL 14	<u>Kol Info VT ATB on 124.7, Psn OTABA ----- (Time) on G450 FL 240, req deviate left due thunderstorm extending northward.</u>	Turn left on track 220 and maintain for 20 nm on deviated track Kol Info (Go to the next question)
20	<u>Turn left on track 220 and maintain for 20 nm on deviated track VT ATB</u>	(Go to the next question)
3 2 Bld 8 6 UL 12	<u>Ngp Ctl VT ATB Go Ahead</u>	BPL R/W closed due major fire, rpt intention Ngp Ctl
20	Would like to divert to Kkj routing det jjb W66 FL 240 req permission VT ATB	Clr diversion to KKJ rpt JJB Ngp Ctl
	<u>Clr diversion to KKJ will rpt JJB VT ATB</u>	(Go to the next question)
4 2 Bld 8 6 UL 12	<u>Khj Twr VT ATB on finals R/W 19 see a vehicle xing R/W initiating Go around and missed approach procedure</u>	Roger Khj Twr
20	<u>Khj Twr VT ATB 3200 TR</u>	Climb 4000 and hold Khj
	<u>Climb 4000 and hold VT ATB</u>	

Key 27

5 X 4 20

- Varanasi aerodrome control VT ATT R/W 27 surface Wet.
- IFLY 702 Vijaywada tower **exercise caution work in progress** at end of R/W 33.
- Airindia 7765 Raipur tower squawk **Ident.**
- Khajuraho **Homer** VT ATT request QTE.
- Kingfisher 756 Ahmadabad Arrival **Report** crossing radial 185 AAE

Time allowed 25 minutes

Refer Chart No 5

Total Marks 100

Aircraft Identification: IC 656	Flight Rules: I	Type of Aircraft: Pilatus
Departure Aerodrome: VIDP	Wake Turbulence: M	Type of Flight: G
Route: W20S, W20, W57S	Time: 0945	Level: FL 130
Destination Aerodrome: VOBL	Equipment: S	
Other Information: Human organ transplant onboard		Alternate Aerodrome: VOHY

Note 1

1. Answer all situations/questions in ascending order. Call out frequency of your transmission on first contact.
 2. Use hypothetical data of procedural control. Usage of RDL and DME dist is recommended.
 3. For message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
 4. Continue answering till you are told to “Go to next question”.
 5. Usage of Aviation Language and prescribed Phraseologies is mandatory.
- 1 a. Obtain Start up clearance. Respond to the situation which has arisen.
- b. During Taxi ATC calls you. Respond and seek clearance under special condition.
- 2 As you approach BPL, you see thunder storm approaching. Replan your flight via NNP and seek RVSM FL.
3. 10 nm outbound BUSBO, you experience severe turbulence and no station is responding on working frequency.
4. You have regained your track and FL and you reach VABDI. Take action.
5. Transmit the following in aviation English.
- a. VIBN aerodrome control VT ATT R/W 27 colour has changed due to recent rain.
 - b. 6E 702 VOBZ tower be careful, work is going on at end of R/W 33.
 - c. AI 7765 VARP tower set transponder code to 4200.
 - d. VORY tower VT ATT I want to lift up and taxi in air.
 - e. VAAU approach IT 756 I cannot comply with clearance due to TCAS resolution advisory.

1 a 3 Bld 9 5 UL 5	<u>Del Grd IC 656 on 121.9, Stand 2, info B QNH 1012, req start up</u> Carrying Human organ transplant on board req expedite	Expect delay R/W sweeping in progress Del Grd Start up approved, expect R/W 10 for Dep Del Grd
14	<u>Start up approved, expect R/W 10 for Dep , IC 656</u>	
1 b 3 UL 6	<u>Del Grd IC 656 G/A</u>	Vis 2000 report intention
6	<u>Req Dep under special VFR, acft IFR certified, pilot holds Inst rating</u>	Special VFR approved (Go to the next Question)
2 3 Bld 6 10 UL 10	<u>NGP ctrl IC 656, psn BPL, hdg 170, FL 130, thunder storm approaching , req rte via W 38 NNP, W99 BUSBO, W20, Req FL 310 till NNP, FL 300 till BUSBO, then FL 310 est NNP ----(Time), TAS 450 TET ----, Endu---</u>	R 460 FL 310 approved X NNP FL 280 or above due converging tfc
18	<u>Setting course for NNP, leaving FL 130 for FL 310 will X NNP FL 280 or above due converging tfc</u>	(Go to the next question)
3 3 Bld 12 4 UL 8 20	<u>PAN PAN x 3 All a/c * 2 in vicinity of BUSBO IC 656 U on 121.5, PSN 20 nm OB BUSBO on W20 FL310 exp severe turbulence TR by 90 degrees, will fly for 15 nm and descend FL 270 all ext light switched on keep look put</u>	(Go to the next question)
4	<u>Chn Ctl IC 656 Psn VABDI ----(Time) FL 310 ETA BIA ----(Time) req descend</u>	BIA closed due major fire, Chn Ctl
11UL 22	<u>Would like to land at Hyderabad , Rtg Dct VIRAM W57N req FL 320</u>	Clr diversion to Hyd Chn Ctl
22	<u>Setting course for VIRAM leaving FL 310 for FL 320 est VIRAM----(Time) ETA BBN ----(Time)</u>	(Go to the next question)

Key 28

5

5 X 4 20

- a. Varanasi aerodrome control VT ATT R/W 27 surface damp.
- b. IFLY 702 Vijaywada tower exercise caution work in progress at end of R/W 33.
- c. Airindia 7765 Raipur tower squawk 4200.
- d. Rajmundry tower VT ATT request air taxi.
- e. Aurangabad approach Kingfisher 756 unable TCAS RA.

Time allowed 25 minutes

Refer Chart No 5

Total Marks 100

Aircraft Identification: VT ATC	Flight Rules: I	Type of Aircraft: B 200
Departure Aerodrome: VOMM	Wake Turbulence: L	Type of Flight: G
Route: W20, BUSBO, W99	Time: 1115	Level: FL 220/230
Destination Aerodrome: VAKJ	Equipment: S	
Other Information: Chartered Flight		Alternate Aerodrome: VANP

Note 1

1. Answer all situations/questions in ascending order. Call out frequency of your transmission on first contact.
 2. Use hypothetical data of procedural control. Usage of RDL and DME dist is recommended.
 3. For message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
 4. Continue answering till you are told to “Go to next question”.
 5. Usage of Aviation Language and prescribed Phraseologies is mandatory.
- 1 a. You are ready to take down ATC clearance.
- b. Comply with ATC clearance.
- 2 You are 5 nm inbound BUSBO. Co-ordinate with next controller..
3. 20 nm inbound NNP, you monitor an airbus descending through your level for landing at Nagpur. Take action.
4. 20 nm outbound JJB, you are ready to descend.
5. Transmit the following in aviation English.
- a. VIBN aerodrome control VT ATT I can see extensive standing water on R/W 27.
 - b. 6E 702 VOBZ tower be careful, work is going on at end of R/W 33.
 - c. AI 7765 VARP tower select altitude reporting feature.
 - d. VIKJ VDF VT ATT what is my homing.
 - e. IT 756 VAAH area control centre your request for FL310 is hereby granted.

1 a 3 UL 6 6	<u>Chn Twr VT ATC request ATC Clr</u>	VTC Clr to KKJ FL 220, Aft Dep cmb SA 2500, TR , X Rdl 350 , 15 DME or less, climb FL 70 RNN cmb FL 220.
	Clr to KKJ FL 220, Aft Dep cmb SA 2500, TR , X Rdl 350 , 15 DME or less, climb FL 70 RNN cmb FL 220. VTC	
1 b 3 Bld 6 8 UL 8	<u>Chn Twr VTC passing 2500 TR</u>	Contact Chn App on 127.9 Chn Twr
	<u>Changing to Chn App VTC</u>	
14	<u>Chn App VTC passing 2500 TR</u>	Rgr
	<u>Chn App VTC Rdl 350, 15 DME</u>	Rgr
	<u>Chn App VTC FL 70 RNN cmb FL 220</u>	(Go to the next Question)
2 1 Bld 4 8 UL 16	<u>Nnp Ctl VT ATC Psn 5 nm IB BUSBO on W20</u> <u>FL 220 Est NNP ----- (Time) JJB next</u> <u>Destination KKJ TAS 350 request FL 230</u>	VTC Clr FL 230 Rprt Reaching NNP Ctl
20	<u>Will Rprt Reaching VTC</u>	(Go to the next Question)
3 2 Bld 12 4 UL 8 20	<u>Del Ctl VT ATC Airprox Safety not assured</u> <u>PSN 20 nm IB NNP on W 99 FL230 TAS 350</u> <u>IMC Monitored one Airbus is descending through my lvl for ldg at NNP.</u>	(Go to the next question)
4	<u>NNP Ctl VT ATC 20 nm OB JJB FL230 ETA</u> <u>KKJ 1245 Req Descend</u>	KKJ R/W clsd due major fire rpt intention NNP Ctl
10UL 20	<u>Wud like to divert to Nagpur FL 220 Req permission</u>	Clr diversion to NNP FL 220 NNP Ctl
20	<u>Setting course for NNP leaving FL 230 for FL 220 ETA NNP 1245 VT ATC</u>	(Go to the next Question)

Key 29

5

5 X 4 20

- a. Varanasi Tower VT ATT R/W 27 **flooded**.
- b. IFLY 702 Vijaywada tower **exercise caution work in progress** at end of R/W 33.
- c. Airindia 7765 Raipur tower squawk **Charlie**.
- d. Khajuraho **Homer** VT ATT request **QDM**.
- e. Kingfisher 756 Ahmadabad Control FL 310 **Approved**.

Time allowed 25 minutes

Refer Chart No 6

Total Marks 100

Aircraft Identification: 6E 105	Flight Rules: I	Type of Aircraft: B 737
Departure Aerodrome: VOMM	Wake Turbulence: H	Type of Flight: Scheduled
Route: A465, W90	Time: 1015	Level: FL 320
Destination Aerodrome: VEBS	Equipment: S	
Other Information: Registration VT IAC		Alternate Aerodrome: VOHY

Note 1

1. Answer all situations/questions in ascending order. Call out frequency of your transmission on first contact.
 2. Use hypothetical data of procedural control. Usage of RDL and DME dist is recommended.
 3. For message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
 4. Continue answering till you are told to “Go to next question”.
 5. Usage of Aviation Language and prescribed Phraseologies is mandatory.
- 1 a. You have started up and Chennai calls you. Respond to the situation which has arisen.
- b. Obtain start up again.
- 2 As you approach XOPOX, Chennai asks you to co ordinate with next controller.
3. 20 nm inbound LARIK, you see an airbus crossing your track dangerously close. Take action.
4. 25 nm inbound BBS, approach services has been terminated at, FL 65 for VOR R/W 32. Show progressive compliance from IAF rdl 206. (Refer to attachment AD2-VEBS-VOR(Z)32).
5. Transmit the following in aviation English.
- a. VIBN aerodrome control VT ATT R/W 27 is soaked due to recent rain.
 - b. 6E 702 VOBZ tower be careful, work is going on at end of R/W 33.
 - c. AI 7765 VARP tower operate the special position identification feature.
 - d. VIKJ VDF VT ATT what is my true bearing from you.
 - e. IT 756 VAAH Approach control radar arrival call me when you cross radial 185 AAE.

1 a 4 Bld 8 5 UL 5	<u>Chn Grd 6E 105 on 121.9 Go Ahead</u>	6E 105 Chn Grd dispatch has a message for you.
13	<u>Changing to Ifly Dispatch Ifly 105</u> <u>Ifly Dispatch Ifly 105</u>	There has been a technical lapse revised ETD 1045 Ifly Dispatch
	Switching Off Engines <u>Chn Grd 6E 105 Switching Off Engines due technical lapse revised ETD 1045</u>	Rgr Chn Grd
1 b 7 UL 7	<u>Chn Grd 6E 105 Heavy Stand 2 Info B QNH 1012 Security check carried out POB 120 Req Start up</u>	Expect delay 15 min
7	<u>Will take delay Ifly 605</u>	(Go to the next Question)
2 3 Bld 12 4 UL 8	<u>Kol Ctl 6E 105, psn XOPPOX 1115 on A 465, FL 310, Est GGC 1130 BBN next</u>	Converging tfc IC 430 est LARIK 1120, not in contact
20	<u>Will arrange flt to X GGC 1135 or later Ifly 105</u>	(Go to the next question)
3 2 Bld 12 4 UL 8 20	<u>Kol Ctl 6E105 Airprox Near collision PSN 20 nm IB LARIK on A 465 FL310 TAS 450 IMC one Airbus has x my track from left to right</u>	(Go to the next question)
4	<u>Bbs Twr 6E105 hy on 125.15, reporting IAF rdl 206,13 DME BBS TR for 11 DME Arc VOR App R/W 32 Leaving FL65 for 2400 ft</u>	Bbs Twr
2 Bld 4 16UL 16	<u>Bbs Twr 6E105 Commencing 11 DME Dist Arc , 2400 ft</u>	Bbs Twr
20	<u>Bbs Twr 6E105 Xing Lead Rdl 146 TL for IB 315</u> <u>Bbs Twr 6E105 on finals VOR apch r/w 32</u>	Bbs Twr (Go to the next question)

Key 30

5

5 X 4 20

- a. Varanasi aerodrome control VT ATT R/W 27 surface Wet.
- b. IFLY 702 Vijaywada tower **exercise caution work in progress** at end of R/W 33.
- c. Airindia 7765 Raipur tower squawk **Ident**.
- d. Khajuraho **Homer** VT ATT request QTE.
- e. Kingfisher 756 Ahmadabad Arrival **Report** crossing radial 185 AAE

REGULATION AND PROCEDURE

Q 31

Time allowed 25 minutes

Refer Chart No 6

Total Marks 100

Aircraft Identification: IC 230	Flight Rules: I	Type of Aircraft: Airbus
Departure Aerodrome: VANP	Wake Turbulence: H	Type of Flight: S
Route: G450, P628	Time: 1215	Level: FL 330
Destination Aerodrome: VOPB	Equipment: S	
Other Information: Schedule Flight		Alternate Aerodrome:VOMM

Note 1

1. Answer all situations/questions in ascending order. Call out frequency of your transmission on first contact.
 2. Use hypothetical data of procedural control. Usage of RDL and DME dist is recommended.
 3. For message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
 4. Continue answering till you are told to “Go to next question”.
 5. Usage of Aviation Language and prescribed Phraseologies is mandatory.
- 1 a. You are ready to take down ATC clearance.
- b. Comply with ATC clearance.
- 2 a. 20 nm outbound OPASA, you see a fighter jet on port rocking wing and flashing navigation lights. Take action.
- b. As you follow the fighter, he abruptly turns away more than 90 degrees and avoids your flight path. Take action.
3. As you approach LARIK, you are informed that P628 is not available due to Agni Missile test firing. Replan your flight.
4. At SADAP, ATC calls you.
 5. Transmit the following in aviation English.
 - a. VIBN aerodrome control VT ATT I can see significant patches of standing water on R/W 27.
 - b. 6E 702 VOBZ tower be careful, work is going on at end of R/W 33.
 - c. AI 7765 VARP tower verify that 7500 has been selected intentionally.
 - d. VDF VABP VDF VT ATT what is my position. (Q code)
 - e. IT 756 VAAH area control centre please let me know if you received and understood my message regarding reciprocal traffic.

1 a 3 UL 6 6	<u>Nnp Twr IC 230 request ATC Clr</u>	IC 230 Clr to PPB FL 330, Aft Dep cmb SA 2500, TR , X Rdl 350 , 15 DME or less, climb FL 70 RNN cmb FL 220. RLCE
	Clr to PPB FL 330, Aft Dep cmb SA 2500, TR , X Rdl 350 , 15 DME or less, climb FL 70 RNN cmb FL 220. RLCE IC 230	
	<u>Nnp Twr IC 230 passing 2500 TR</u>	Contact Nnp App on 127.9 Nnp Twr
	<u>Changing to Nnp App on 127.9 IC 230</u>	
1 b 2 Bld 6 8 UL 8	<u>Nnp App IC 230 passing 2500 TR</u>	Rgr
14	<u>Nnp Twr IC 230 Rdl 350 15 dme</u>	Rgr
	<u>Nnp App IC 230 FL60 RNN</u>	(Go to the next Question)
2 a 2 Bld 6 4 UL 8 14	<u>Kol Ctl IC 230 on 121.5, being Intercepted, Operator Indian Airlines with Indian crew and Indian pax onboard, Request instructions.</u>	You have drifted right and entered prohibited area. Follow the instructions from the intercepting aircraft Kol ctl.
2 b 1 Bld 3 3 UL 3 6	<u>Kol Control IC 230, We have been released by intercepting acft, RNN Will Rprt LARIK</u>	(Go to the next Question)
3 10 UL 20 20	<u>Kol Control IC 230, psn LARIK on P628 FL 330 Hdg---- Req reroute via N877 Due Agni</u> <u>Missile Test firing Rtg Dct ORARA Est</u> <u>ORARA ----- SADAP NEXT TET 2 hrs</u> <u>Endurence 4 hrs Revised ETA PPB -----</u>	(Go to the next question)
4	<u>Chen Ctl IC 230 GA</u>	PPB R/W clsd due major fire rpt intention Chn App
1 Bld 8 6 UL 12	Would like to divert to Chennai Req FL 320	Clr div to Chn Chn Ctl
20	<u>Setting course for Chennai leaving FL 330 for FL 320 est IDASO-----time) ETA Chen-- ----(time)</u>	Rprt IDASO Chn Ctl
	<u>Will Rprt IDASO IC 230</u>	(Go to the next question)

Key 31

5

- VIBN aerodrome control VT ATT **Water patches on R/W 27.**
- IFLY 702 Vijaywada tower **exercise caution work in progress** at end of R/W 33.
- Airindia 7765 Raipur tower confirm you are squawking **assigned code**.
- Khajuraho **Homer Bhopal Homer** VT ATT request **QTF**.
- Kingfisher 756 Ahmadabad Control acknowledge reciprocal traffic advisory..

REGULATION AND PROCEDURE

Q 32

Time allowed 25 minutes

Refer Chart No 7

Total Marks 100

Aircraft Identification: CD 454	Flight Rules: I	Type of Aircraft: Boeing 737
Departure Aerodrome: VABB	Wake Turbulence: H	Type of Flight: S

Route: W15 S, W15	Time: 1215	Level: FL 330
Destination Aerodrome: VOTV	Equipment: S	
Other Information: Schedule Flight		Alternate Aerodrome: VOML

Note 1

1. Answer all situations/questions in ascending order.
 2. Use hypothetical data of procedural control. Usage of RDL and DME dist is recommended.
 3. For message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
 4. Continue answering till you are told to “Go to next question”.
 5. Usage of Aviation Language and prescribed Phraseologies is mandatory.
- 1 a. You are ready to take down ATC clearance.
- b. Comply with ATC clearance.
- 2 . You estimate UDOLLO 1230 and you are passing FL 150 for your cleared FL 200, RCF occurs. Take action.
3. As you approach MML at your cruising level, you see thunder storm approaching and you decide to deviate. No ground controller is responding.
4. You are passing MM for ILS R/W 32 and you see a vehicle is crossing the R/W. Take action and land using the same R/W. (Refer to chart AD2-VOTV-ILS32)
5. Transmit the following in aviation English.
- a. VIBN aerodrome control VT ATT R/W 27 colour has changed due to recent rain.
 - b. 6E 702 VOBZ tower be careful, work is going on at end of R/W 33.
 - c. AI 7765 VARP tower set transponder code to 4200.
 - d. VORY tower VT ATT I want to lift up and taxi in air.
 - e. VAAU approach IT 756 I cannot comply with clearance due to TCAS resolution advisory.

1 a 3 UL 6 6	<u>Mum Twr CD 454 req ATC Clr</u>	CD 454 Clr to Tvm FL 330, Aft Dep cmb SA 2500, TR , X Rdl 350 , 15 DME or less, climb FL 70 RNN cmb FL 200. RLCE
	<u>Clr to Tvm FL 330, Aft Dep cmb SA 2500, TR , X Rdl 350 , 15 DME or less, climb FL 70 RNN cmb FL 200. RLCE CD 454</u>	
1 b 14 UL 14	<u>Mum Twr CD 454 passing 2500 TR</u> <u>Changing to Mum App on 127.9 VD 454</u>	Contact Mum App on 127.9 Mum Twr
	<u>Mum App CD 454 passing 2500 TR</u>	Rgr
14	<u>Mum App CD 454 Rdl 350 15 dme</u>	Rgr
	<u>Mum App CD 454 FL70 RNN</u>	(Go to the next Question)
2 10 UL 20 20	<u>Mum Cont CD 454 on 125.9, Tx Blnd Psn 5 nm IB UDOLO 1225 passing FL 150 for FL 200 Est UDOLO 1230 GGO 1245 Continuing Flt to Tvm Will leave FL 200 for FL 320 at 1245, Will report DIPAS, I say again X 2</u>	(Go to the next Question)
3 2 Bld 8 4 UL 12 20	<u>All acft in vicinity of MML CD 454 Psn MML 1245 FL 320, deviating Right due thunder storm FL 323 All external lights switched on Keep look out</u>	(Go to the next Question)
4 2 Bld 6 14 UL 14	<u>Tvn Twr CD 454 passing MM for ILS R/W 32 see a vehicle xing runway initiating go around and missed app procedure</u>	Rgr
20	<u>Tvm Twr CD 454 , passing 2500 TL</u>	CD 454, Tvm twr, runway clear return for ldg
	<u>Tvm Twr CD 454 Leaving TVM, 2500 for 2000</u>	Rgr
	<u>Tvm Twr CD 454 4 DME TVM commencing PTN Right</u>	Rgr
	<u>Tvm Twr CD 454 PTN completed</u>	Rgr
	<u>Tvm Twr CD 454 On Finals</u>	(Go to the next Question)

Key 32

- a. Varanasi aerodrome control VT ATT R/W 27 surface damp.
- b. IFLY 702 Vijaywada tower exercise caution work in progress at end of R/W 33.
- c. Airindia 7765 Raipur tower squawk 4200.
- d. Rajmundry tower VT ATT request air taxi.
- e. Aurangabad approach Kingfisher 756 unable TCAS RA.

Aircraft Identification: 9W 324	Flight Rules: I	Type of Aircraft: Boeing 737
Departure Aerodrome: VOMM	Wake Turbulence: H	Type of Flight: S
Route: W 20, W 28	Time: 1215	Level: FL 320
Destination Aerodrome: VABB	Equipment: S	
Other Information: Schedule Flight		Alternate Aerodrome: VOHY

Note 1

1. Answer all situations/questions in ascending order.
 2. Use hypothetical data of procedural control. Usage of RDL and DME dist is recommended.
 3. For message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
 4. Continue answering till you are told to “Go to next question”.
 5. Usage of Aviation Language and prescribed Phraseologies is mandatory.
- 1 a. You are have started up and plan to carry out cockpit checks after entering R/W.
- b. During Taxi cabin crew reports a sick passenger. Take action.
- 2 At LIMA, You experience severe turbulence. You want to deviate towards right and descend imdly. No station is responding on working frequency. Take action.
3. You have regained your assigned ATS route and communication has been restored. You reach GGB. One passenger has entered cockpit and threatening you with a knife and asking you to fly to Dubai. Assuming regional procedure have not been established, take action.
4. The hijacker has been overpowered, you are 30 nm inbound PUN. Take action.
5. Transmit the following in aviation English.
- a. VIBN aerodrome control VT ATT R/W 27 colour has changed due to recent rain.
 - b. 6E 702 VOBZ tower be careful, work is going on at end of R/W 33.
 - c. AI 7765 VARP tower set transponder code to 4200.
 - d. VORY tower VT ATT I want to lift up and taxi in air.
 - e. VAAU approach IT 756 I cannot comply with clearance due to TCAS resolution advisory.

1 a 1 Bld 3 7 UL 7	<u>Chn Grd 9W 324 Heavy Stand 2 Will be carrying out cockpit checks after lining up req Taxi Info B</u>	9W 324 expect delay 15 min due WIP advise carry out check in stand.
10	<u>Will take delay, carrying out checks at stand 9W 324</u>	
1 b 5 UL 10	<u>chen Grd 9W 324 on taxi way A one pax is sick request taxi to apron and med assistance</u>	Taxi to Stand 2 chen Grd
	R/B	(Go to the next question) (Go to the next question)
2 3 Bld 12 4 UL 8 20	PANPAN x 3 All acft x 2 in vicinity of LIMA 9W 324 on 118.3 Psn LIMA----- (Time) FL 320 Experiencing severe turbulence ,unable rvsm due weather, Turning right by 90 degrees will fly 15 nm and descend FL 277 on deviated track, <u>All external lights switched on keep look out.</u> Chng to 121.5 I say again	
3 2 Bld 12 4 UL 8	MD x 3 All acft x 2 in vicinity of GGB 9W 324 Under unlawful interference Proceeding on a westerly direction FL 315 All external lights switched on keep look out.	Roger Mayday mntn FL 315, no reported tfc, standby for assistance Hyd Ctrl
20	<u>Mntn FL 325 Standing by 9W 324</u>	(Go to the next question)
4 2 Bld 12 4 UL 8 20	MD Mum Ctrl 9W 324 Cancel MD Hijacker has been overpowered landing at Mum Psn 30 nm PUN on Rdl 119 FL 315 req Descend	Clr Descend FL 150 Mum Ctrl
	Clr Descend FL 150, 9W 324	

Key 33

5 X 4 20

- a. Varanasi aerodrome control VT ATT R/W 27 surface damp.
- b. IFLY 702 Vijaywada tower exercise caution work in progress at end of R/W 33.
- c. Airindia 7765 Raipur tower squawk 4200.
- d. Rajmundry tower VT ATT request air taxi.
- e. Aurangabad approach Kingfisher 756 unable TCAS RA.

BOOKLET-2
PAPERS AND SOLUTIONS

CONTENTS

1. SIMPLE PAPERS AND SOLUTIONS(1 TO 14)
2. INTERMEDIATE PAPERS AND SOLUTIONS(15 TO 42)
3. LATEST PAPERS AND SOLUTIONS(43 ONWARDS)
4. 61 - 81 (Very latest) 43 - 60

Chart No 7

Question 1

Aircraft Identification: AI 778
Departure Aerodrome: VABB
Aerodrome destination: VOTV
Other Information VHF

Time 23:30

Type of Aircraft: Airbus
Level: 330
Route W15S/ W 15
Alternate VOML, VOCB

Note:

1. Take RTF action for situations given below in ascending order.
2. Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
3. Continue answering till you are told to "Go to next question".
4. Usage of Aviation Language and prescribed Phraseologies is mandatory.
5. Call out freq on first contact.

Q 1a. After you have started engines that cabin crew member informs you that one passenger is intoxicated and behaving rudely. You investigate and find him unsafe for flight.

b Obtain start up clearance again.

Actual Time of Departure 00:20

Q 2. You are passing FL 220 that Mumbai is calling you. Give response and your inability to comply with its requirements.

Q 3. You reach FL 330. Overhead Goa , you see parachute flare of red light that has been fired from sea. Report to ATC.

Q 4. Overhead Cochin you are informed by that TVM control that Trivandrum airport has been closed due accident on runway. Take action.

Q 5. Transmit the following sentences of plain English in aviation language phrases and use proper phrases/ phraseologies as and when required.

- (a) VT HIK establish air ground communication with VDF.
- (b) Company dispatch this is 9W 478 calling.
- (c) VT BHY call when you start flying on Localizer.
- (d) IC 290 proceed to Runway holding position via A & G.
- (e) AI 112 you are at seventh place to land.

2335

MUMBAI GROUND AIR INDIA 778, HEAVY ON 121.9, STAND TWO, ONE PASSENGER IS INTOXICATED AND BEHAVING RUDELY SEND SECURITY TO OFFLOAD HIM AND TAKE ACTION, SWITCHING OFF ENGINE, AI 778
AI 778 MUMBAI GROUND INFORMING SECURITY
(GO TO NEXT Q)

0005

MUMBAI GROUND AI 778, HEAVY, STAND TWO, PASSENGER OFFLOADED, SECURITY CHECK CLEARED PERSONS ONBOARD NOW 119, REQUEST START UP, QNH 1012, INFORMATION BRAH VOH
(GO TO NEXT QUESTION)

0035

MSG

AI 778 MUMBAI CONTROL ARRANGE FLIGHT TO CROSS 80 DME BBB AT FL 330 OR ABOVE

UNABLE TO CROSS 80 DME AT FL 330 OR ABOVE DUE TO AIRCRAFT HEAVY, WILL BE ABLE TO CROSS AT FL 290, AI 778

AI 778 MUMBAI CONTROL, CLIMB FL 290 AND MAINTAIN DUE TO RECIPROCAL TRAFFIC AT FL 300, REPORT 80 DME BBB

RECIPROCAL TFC FL 300, RECLEARED TO FL 290 WILL REPORT REACHING AND 80 DME BBB, AI 778

(GO TO NEXT QUESTION)

0120

PAN PAN PAN PAN PAN PAN MANGALORE

CONTROL AI 778, ON 127.55, POSITION OVERHEAD GGO 0120, FL 330, SEEN A RED FLARE BEING FIRED FROM SEA, A SHIP IN DISTRESS ON BEARING OF 090 DEGREES, DISTANCE 50 NAUTICAL MILES, AI 778

AI 778 MANGALORE CONTROL, ROGER PAN PAN, TAKING ACTION

(GO TO NEXT QUESTION)

0150

TRIVENDRUM CONTROL AI 778, OVERHEAD

COCHIN 0150 FL 330, WILL ALTER TRACK TO LAND AT COIMBATORE ETA COIMBATORE 0220 REQUEST DESCEND, AI 778

AI 778 TVM CONT, CLEARED TO COIMBATORE DESCEND TO FL 60 REPORT PASSING FL 100

CLEARED TO COIMBATORE, LEAVING FL 330 FOR FL 60 WILL REPORT PASSING FL 100 REQUEST WEATHER COIMBATORE. AI 778

STANDBY FOR WEATHER COIMBATORE, TRIV CTRL

GO TO NEXT Q

Chart No 1

Question 2

Aircraft Identification: AI 517

Departure Aerodrome: VABB

Aerodrome destination: VIDP

Other Information Regn VT REM

Time 01:30

Type of Aircraft: Airbus

Level: 330

Route W13/13N

Alternate Aerodrome VIJP

Note:

1. Take RTF action for situations given below in ascending order.
2. Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
3. Continue answering till you are told to "Go to next question".
4. Usage of Aviation Language and prescribed Phraseologies is mandatory. Call out freq of station on first contact and as and when necessary.

REGULATION AND PROCEDURE

Q 1. During taxi brakes have become hot and flight attendant reports a loud noise below the floor of the aircraft. Take action.

Q 2. Passing FL 280, Mumbai control calls you. Replan your flight accordingly.

Q 3. You reach BODAR at 0230, when you hear AI 160 is over Indore, est BODAR at 0245,FL220, TAS 250 knots his destination Ahmadabad ETA 0300. Trying to call Ahmadabad control. Render help in relaying message.

Q 4a. During descend to land from FL 70 to FL 50 lose contact with Approach. Take action.

Q 4b. You reach DPN at 3500 ft, plan your instrument approach and show compliance.

Q 5. Transmit the following phrases as per Radiotelephony procedure.

- (a) Delhi Control, IT 237 we will commence our descent at a time 2213.
- (b) Chennai approach VT EWQ I see an aircraft straight ahead coming on to me.
- (c) VT FRT Delhi Tower visibility will lessen to 300 m in rain.
- (d) Mumbai Tower 9W 675 glide path has gone away.
- (e) VT FBN keep holding over VOR and you are likely to commence your approach at 2217.

Q 1. PAN PAN PAN PAN PAN PAN, MUMBAI GROUN,D AIRINDIA 517 HEAVY, ON 121.9, , UNDER CARRIAGE BRAKES HEATED UP, GOT A LOUD SOUND, STOPPING SLOWLY, ON TAXI WAY ALPHA, POSITION SHORT OF LINK 2REQUEST FIRE FIGHTING SERVICES

**AI 517, MUM GRND, RGR PAN PAN,SENDING FIRE FIGHTING SERVICES
(GO TO NEXT QUESTION)**

Q 2.
AC- MUMBAI CONTROL AI 517 CMBG PASSING FL 280 FOR 330,PASS YOUR MSG

ATC-AI 517 MUMBAI CONTROL WEATHER WARNING FOR HEAVY CB ACTIVITY ENROUTE AHMADABAD. REPORT YOUR INTENTION.

MUM CTRL, AI 517 WILL ALTER TRACK VIA A 474, SETTING COURSE, ESTIMATING SONAGARH 0200 , IDOLA 0300, ETA DELHI 0345 , PASSING FL 280 FOR FL 330

CLEARED TO PROCEED VIA A 474 REPORT SG,MUMBAI CONTROL

CLEARED TO DELHI VIA A 474, WILCO, REVISED EET 2 H 45 MINS, ENDURANCE 4 HOURS,AI 517

(GO TO NEXT QUESTION)

Q 3.

AHMADABAD CONTROL AI 517 ON 134.2, posn BODAR 0230, FL 330 RELAYING FOR AI 160, POSITION INDORE 0230 FL 220, ESTIMATING BODAR 0245, ETA AHMADABAD 0300 ,TAS 250KNOTS, REQUESTING PERMISSION TO CROSS A474

(GO TO NEXT QUESTION)

Q 4a

DELHI TOWER AI 517 HEAVYon 118.1, NEGATIVE CONTACT WITH DELHI APPROACH, descending PASSING FL 70 FOR FL 50,AI 517

AI 517 HEAVY DELHI TOWER, MAINTAIN THIS FREQUENCY ,CLEARED TO DPN FOR ILS APPROACH, DESCEND TO 3500 FT, REPORT REACHING DPN

WILL MAINTAIN THIS FREQUENCY, CLEARED TO DPN FOR ILS APPROACH, DESCENDING TO 3500 FT, WILL REPORT REACHING DPN AI 517

(GO TO NEXT QUESTION)

Q 4b

DELHI TOWER AI 517 HEAVY MAINTAINING 3500 FT LEAVING DPN FOR ILS RUNWAY 28

ROGER DELHI TOWER

DELHI TOWER AI517 CROSSING OUTER MARKER OUTBOUND

ROGER DELHI TOWER

DELHI TOWER AI 517 COMMENCING PROCEDURE TURN

ROGER DELHI TOWER

DELHI TOWER AI 517 PROCEDURE TURN COMPLETED

ROGER DELHI TOWER

DELHI TOWER AI 517 ESTABLISHED ON ILS R/W 28

ROGER DELHI TOWER(GO TO NEXT QUESTION)

Chart No 1

Question 3

Aircraft Identification: AIRINDIA 413

Departure Aerodrome: VIDP Time 13:30

Level: 320

Type of Aircraft: Airbus

Aerodrome destination: VABB

Route A474

Other Information VHF Only

Alternate Aerodrome VAAH

Note:

1. Take RTF action for situations given below in ascending order.
2. Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
3. Continue answering till you are told to "Go to next question".
4. Usage of Aviation Language and prescribed Phraseologies is mandatory.
5. Call out freq on first contact.

Q 1. You are ready to taxi.

Actual Time of Departure 14:00

Q 2. As per ATC clearance You are to cross IKABA at FL 180, request level change en-route. In instrument meteorological condition you cross IKABA 1410, fl180 and estimate JJP 1425 . Communication failure takes place as you fail to contact any station.

Q 3. Air ground communication is back to normal. You reach Pratapgarh that Ahmadabad calls you.

Q 4. At 90 DME from AAE, still at cruising level, that your co pilot faints. Efforts to revive him fail.

Q 5. Transmit the following sentences of plain English in aviation language phrases and use proper phrases/ phraseologies.

- (a) VT HBK are you ready to take off without delay.
- (b) AI 546 see around for Boeing.
- (c) VT RFD report at border of control zone
- (d) VT ACR descend to 10000 feet on QNE.
- (e) Trivandrum tower let me know the aerodrome existing pressure.

DELHI GROUND AI 413, HEAVY ON 121.9, STAND TWO, REQUEST TAXI, QNH
1012,,INFORMATION BRAVO

**AI 413 HEAVY CLEARED TO HOLDING POINT RUNWAY 28, TAXI VIA GOLF TO
HOLDING RUNWAY 27**

CLEARED TO HOLDING POINT RUNWAY 28, TAXI VIA GOLF TO HOLDING RUNWAY 27
AI 413

DELHI GROUND AI 413, APPROACHING HOLDING POINT, REQUEST ENTER RUNWAY 27

AI413 DEL GRND HOLD SHORT RUNWAY 27 Jet Airways 235 ON FINAL

TFC JET AIRWAYS 235 COPIED, HOLDING SHORT RUNWAY 27 AI413

DELHI GROUND AI 413, CLEAR OF JET AIRWAYS 235, REQUEST ENTER RUNWAY 27 FOR
FURTHER TAXING

**AI 413 DELHI GROUND CLEARED ENTER RUNWAY 27 VIA BRAVO AND CLEARED
TO HOLDING POINT RUNWAY 28**

ENTERING RUNWAY 27, TAXI VIA BRAVO CLEARED TO HOLDING POINT RUNWAY 28

AI 413(NEXT Q)

DELHI CONTROL AI 413 ON 124.55, TRANSMITTING BLIND CROSSED IKABA 1410 FL 180
ESTIMATING JAIPUR 1425 IDOLA 1500 CONTINUING FLIGHT TO MUMBAI WILL LEAVE
FLIGHT LEVEL 180 FOR FL 320 AT 1430 WILL TRANSMIT AGAIN 1425

I SAY AGAIN

DELHI CONTROL AI 413 ON 124.55, TRANSMITTING BLIND CROSSED IKABA 1410 FL 180
ESTIMATING JAIPUR 1425 IDOLA 1500 CONTINUING FLIGHT TO MUMBAI WILL LEAVE
FLIGHT LEVEL 180 FOR FL 320 AT 1430 WILL TRANSMIT AGAIN 1425 (NEXT Q)

AHMADABAD CONTROL AI 413 ON 134.2, PASS YOUR MSG

**AI413 AH CTRL , MUMBAI AIRFIELD CLOSED DUE TO MAJOR FIRE, DELAY NOT
DETERMINED, CONFIRM YOUR INTENTIONS.**

AHMDDBD CONT, AI 413, WILL ALTER TRACK TO LAND AT AHMADABAD RQST DIRECT
ROUTING,AI 413

AI 413, AH CTRL CLEARED TO AAE DCT, REPORT POSITION

CLEARED TO AAE DCT,,POSITION PRA 1500 ,FL 320 ,SETTING COURSE FOR AAE
ESTIMATING AHMADABAD 1530, AI 413(NEXT Q)

MAY DAY MAY DAY MAY DAY, AHMADABAD CONTROL AI 413, AIRBUS, CO PILOT
FAINTED, UNABLE TO REVIVE HIM, LANDING AT AHMADABAD, POSITION 90 DME AAE
RADIAL 045 FL 320,COURSE 200, SPD 350 KTS, ETA AHMADABAD 1530 ENDURANCE 4
hours PERSONS ON BOARD 70,rqst med assistance on landing AI 413

**AI 413 AHMADABAD CONTROL ROGER YOUR MAYDAY DESCEND TO FL 50 ,
REPORT WHEN RUNWAY IN SIGHT**

LEAVING FL 320 FOR FL 50 WILL REPORT WHEN RUNWAY IN SIGHT AI 413
(NEXT Q)

**AI 413 AHMADABAD CONTROL ROGER YOUR MAYDAY DESCEND TO FL 50 ,
REPORT WHEN RUNWAY IN SIGHT**

LEAVING FL 320 FOR FL 50 WILL REPORT WHEN RUNWAY IN SIGHT AI 413
(NEXT Q)

Chart No 4

Question 4

Aircraft Identification: AI 430
Departure Aerodrome: VABB
Aerodrome destination: VECC
Other Information Regn VT REM

Time 08:30 Level: 310

Type of Aircraft: Airbus
Route G 450 O/f VANP
Alternate VANP

Note:

1. Take RTF action for situations given below in ascending order.
2. Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
3. Continue answering till you are told to “Go to next question”.
4. Usage of Aviation Language and prescribed Phraseologies is mandatory.

Q 1. You are ready to start engine. Flight dispatch informs you that wind is favorable at FL 330.

Actual Time of Departure 09:00

Q 2 a. You are taxiing out and are ready to take ATC clearance.

Q 2 b. Show compliance ATC clearance.

Q 3. You subsequently climb to your requested level reach Nagpur.

Q 4. You reach Jamshedpur and you are ready to commence descent after 5 min. Take action.

Q 5. Transmit the following sentences of plain English in aviation language phrases and use proper phrases/ phraseologies as and when required.

- (a) VT EDC listen Delhi weather on 126.4
- (b) VT PJK what is actual time you departed from Madurai.
- (c) Helicopter 135 report control zone border.
- (d) VT OKL make a circle to your right in middle of downwind leg.
- (e) I have received all that you have said in your last transmission.

MUMBAI GROUND AIRINDIA 430 HEAVY, STAND TWO SECURITY CHECK CARRIED OUT, PERSON ON BOARD ONE TWO ZERO REQUEST START UP FOR FL 330,QNH 1012, INFORMATION BRAVO

AIRINDIA 430 MUMBAI GROUND START UP APPROVED

START UP APPROVED AIRINDIA 430 (NEXT Q)

MUMBAI TOWER AIRINDIA 430 HEAVY REQUEST ATC CLEARENCE

AIRINDIA 430 IS CLEARED TO KOLKATTA AT FL 330 AFTER DEPARTURE CLIMB RUNWAY HEADING 2500 TURN RIGHT INTERCEPT RADIAL 350 AT 15 DME OR LESS , CLIMB TO FL 70 , THEREAFTER RESUME NORMAL NAVIGATION CLIMBING FL 330

CLEARED TO KOLKATTA AT FL 330 AFTER DEPARTURE CLIMB RUNWAY HEADING 2500 TURN RIGHT INTERCEPT RADIAL 350 AT 15 DME OR LESS , CLIMB TO FL 70 , THEREAFTER RESUME NORMAL NAVIGATION CLIMBING FL 330 AIRINDIA 430 (GO TO THE NEXT QUESTION)

MUM TOWR AIRINDIA 430 PASSING 2500 TURNING RIGHT

CONTACT MUM APPROACH 127.9

CHANGING TO MUM APPROACH 127.9 AIRINDIA 430

MUM APPROACH AIRINDIA 430 PASSING 2500 TURNING RIGHT

ROGER

MUM APPROACH AIRINDIA 430 RADIAL 350 , 15 DME

ROGER

MUM APPROACH AIRINDIA 430 RADIAL 350 PASSING FL 70 TURNING LEFT TO RESUME NORMAL NAVIGATION

ROGER(NEXT Q)

NAGPUR CONTROL AIRINDIA 430 POSITION NAGPUR 0430 FL 330 ESTIMATING NIPAD 0500, JAMSHEDPUR 0530 ETA KOLKATA 0600

AIRINDIA 430 REPORT NIPAD, MESSAGE FROM MUMBAI THAT TYRE PIECES WERE FOUND ON RUNWAY AFTER YOUR DEPARTURE

TYRE PIECES WERE FOUND ON RUNWAY AFTER DEPARTURE, WILL REPORT NIPAD AIRINDIA 430(NEXT Q)

KOLKATA CONTROL AIRINDIA 430 HEAVY POSITION JAMSHEDPUR 0500 FL 330 ETA KOLKATA 0530 TOP OF DESCEND 0505,QNH 1011, INFORMATION BRAVO, WILL BE CARRYING OUT PRECAUTIONARY LANDING DUE TYRE PIECES FOUND AT MUMBAI AFTER DEPARTURE, REQUEST DESCEND

AIRINDIA 430 KOLKATA CONTROL CLEARED DESEND FL 200 REPORT REACHING WILL REPORT FL 200 AIRINDIA 430