

Superjet International Training Center



**RRJ 95
QUESTIONNAIRE**

superjet
INTERNATIONAL

Rev 1.1.0

September 2010

INTENTIONALLY

LEFT

BLANK

Chap. ATA 20	AIRCRAFT GENERAL
Chap. ATA 21	AIR CONDITIONING-PRESSURIZATION-VENTILATION
Chap. ATA 22	AUTO FLIGHT
Chap. ATA 23	COMMUNICATIONS
Chap. ATA 24	ELECTRICAL
Chap. ATA 25	EQUIPMENTS
Chap. ATA 26	FIRE PROTECTION
Chap. ATA 27	FLIGHT CONTROL
Chap. ATA 28	FUEL
Chap. ATA 29	HYDRAULIC
Chap. ATA 30	ICE and RAIN PROTECTION
Chap. ATA 31	INDICATIONS and RECORDING SYSTEM
Chap. ATA 32	LANDING GEAR
Chap. ATA 33	LIGHTS
Chap. ATA 34	NAVIGATION
Chap. ATA 35	OXYGEN
Chap. ATA 36	PNEUMATIC
Chap. ATA 49	APU
Chap. ATA 52	DOORS
Chap. ATA 70	POWER PLANT



I-FTO 063

RRJ 95 QUESTIONNAIRE
00 CONTENTS



I-FTO 063

RRJ 95 QUESTIONNAIRE
00 CONTENTS

LIST OF EFFECTIVE PAGES

1	SUKHOI RRJ-95	
Aircraft wing span is.....		
A. 29,0 mt.		
B. 27,5 mt.		
C. 26,5 mt.		

2	SUKHOI RRJ-95	
Which VHF antenna is located on lower fuselage ?		
A. VHF 1		
B. VHF 2		
C. VHF 3		

3	SUKHOI RRJ-95	
Which is the maximum angle to the Left and to the Right during towing with NOSE GEAR ?		
A. 85° to the Left and 85°to the Right.		
B. 65° to the Left and 65°to the Right.		
C. 45° to the Left and 45° to the Right.		

1 = B	2 = B	3 = B
-------	-------	-------

	RRJ 95 QUESTIONNAIRE AIR COND/PRESS/VENT	21
---	---	-----------

1	SUKHOI RRJ95	
<p>When one Engine air bleed fails, can air from the Air Conditioning System (ACS) be bleed from the other Engine or from the APU ?</p> <p>A. Yes, when one ACS fails the other one provides air conditioning in full.</p> <p>B. Yes, but only if APU is supplying air.</p> <p>C. Yes, only partially.</p>		

2	SUKHOI RRJ95	
<p>An aural warning is given when the cabin altitude is more than:</p> <p>A. 10.000 ft</p> <p>B. 9842 ft</p> <p>C. 8000 ft</p>		

3	SUKHOI RRJ95	
<p>The Zone (Cockpit and Cabin) Temperature selector</p> <p>A. Regulate temperature from 17°C to 30°C.</p> <p>B. Regulate temperature at 30°C when at 12 o'clock position.</p> <p>C. Both A and B are correct.</p>		

1= A	2 = B	3 = A
------	-------	-------

	RRJ 95 QUESTIONNAIRE AIR COND/PRESS/VENT	21
---	---	-----------

4	SUKHOI RRJ95	
<p>In climb and cruise the cabin altitude shall not exceed</p> <ul style="list-style-type: none"> A. 6.000 ft (1.818 m) B. 8000 ft (2400 m) C. 12.000 ft (3636 m) 		

5	SUKHOI RRJ95	
<p>Pack Flow may be selected from:</p> <ul style="list-style-type: none"> A. The Cockpit B. The Cabin C. Both A and B are corrected 		

6		
<p>Which is the max negative ΔP for the Cabin?</p> <ul style="list-style-type: none"> A. 0 Psi B. -1Psi C -0.5Psi 		

4 = B	5 = A	6 = B
--------------	--------------	--------------

	RRJ 95 QUESTIONNAIRE AIR COND/PRESS/VENT	21
---	---	-----------

7	SUKHOI RRJ95	
<p>During the flight for the adequate air supply the air conditioning system can use:</p> <ul style="list-style-type: none"> A. The APU (up to 15,000 ft at ISA-55) B. Engines C. All above 		

8	SUKHOI RRJ95	
<p>In the case of both ACP faults it is necessary to descent to 10000 ft (3000 m) and activate ram air ventilation by switch RAM AIR at AIR control panel</p> <ul style="list-style-type: none"> A. True. B. False. 		

9	SUKHOI RRJ95	
<p>Each Trim Air Valve optimizes the temperature by:</p> <ul style="list-style-type: none"> A. Adding hot air. B. Adding fresh air. C. Modulating the Pack flow. 		

7 = C	8 = A	9 = A
--------------	--------------	--------------

10

SUKHOI RRJ95

In normal operation, pressurization is :

- A. Fully automatic.
- B. Manually controlled.
- C. Both A & B are correct.

11

SUKHOI RRJ95

Which is the "MAX NORM CAB ALT"?

- A. 8000 ft
- B. 9550 +/- 350 ft
- C. 8000 +/- 250 ft

12

SUKHOI RRJ95

Which is the max negative differential Pressure for the Cabin?

- A. 0 psi
- B. -1.4 psi
- C. - 2 psi

10 = A

11 = A

12 = B

	RRJ 95 QUESTIONNAIRE AIR COND/PRESS/VENT	21
---	---	-----------

13	SUKHOI RRJ95	
<p>Is it possible to simultaneously use conditioned air from Packs and LP GROUND UNIT ?</p> <p>A. Yes.</p> <p>B. No.</p> <p>C. Yes, provided the air supplied is confirmed to be free of contamination</p>		

14	SUKHOI RRJ95	
<p>Once set to ON the Air Conditioning PACKS operate:</p> <p>A. Automatically and independently of each other.</p> <p>B. Manually and independently of each other.</p> <p>C. Automatically, PACK 1 as a master, PACK 2 as a slave.</p>		

15	SUKHOI RRJ95	
<p>At a height of more than 15,000 feet (4,500 m) opening of the emergency ventilation valve is:</p> <p>A. Blocked.</p> <p>B. Is permitted.</p> <p>C. Cut off automatically.</p>		

13 = B	14 = A	15 = A
--------	--------	--------

	RRJ 95 QUESTIONNAIRE AIR COND/PRESS/VENT	21
---	---	-----------

16	SUKHOI RRJ95	
<p>Conditioned Air is distributed to:</p> <p>A. Cockpit, Cargo Bays and Cabin.</p> <p>B. Cockpit, Fwd and Aft Cabin.</p> <p>C. Cockpit, Avionic Bays, Cabin.</p>		

17	SUKHOI RRJ95	
<p>When RAM AIR pushbutton is set to ON, the Outflow Valve:</p> <p>A. Closes</p> <p>B. Opens at any time.</p> <p>C. Opens at a height of less than 15,000 feet.</p>		

18	SUKHOI RRJ95	
<p>The Air Conditioning system indications are displayed on:</p> <p>A. PFD.</p> <p>B. MFD Air page.</p> <p>C. EWD Air page.</p>		

16 = B	17 = C	18 = B
--------	--------	--------

	RRJ 95 QUESTIONNAIRE AIR COND/PRESS/VENT	21
---	---	-----------

19	SUKHOI RRJ95	
<p>The purpose of the Safety Valves is to avoid:</p> <ul style="list-style-type: none"> A. Excessive positive differential pressure. B. Excessive negative differential pressure. C. Both A and B are corrected. 		

20	SUKHOI RRJ95	
<p>The Safety Valves are operated:</p> <ul style="list-style-type: none"> A. Electrically. B. Hydraulically. C. Pneumatically. 		

21	SUKHOI RRJ95	
<p>When MODE SEL is set to Manual, the Outflow Valve is controlled by signals sent via Controller 1 or 2.</p> <ul style="list-style-type: none"> A. True. B. False 		

19 = C	20 = C	21 = B
--------	--------	--------

	RRJ 95 QUESTIONNAIRE AIR COND/PRESS/VENT	21
---	---	-----------

22	SUKHOI RRJ95	
<p>On MFD CAB PRESS page, the Outflow Valve indicator change to amber if..</p> <p>A. Not fully closed.</p> <p>B. Fully open in flight.</p> <p>C. In case of failure.</p>		

23	SUKHOI RRJ95	
<p>When one of the trim lines fails both lines are deactivated automatically.</p> <p>A. True.</p> <p>B. False.</p>		

24	SUKHOI RRJ95	
<p>On MFD CABIN PRESS page, the Cabin Altitude indication change to red when Cabin Altitude is....</p> <p>A. < 8,000 ft</p> <p>B. > From 8000 ft to 10000 ft</p> <p>C. ≥ From 10000 ft to 15000 ft</p>		

22 = C	23 = A	24 = C
--------	--------	--------

	RRJ 95 QUESTIONNAIRE AIR COND/PRESS/VENT	21
--	---	-----------

25	SUKHOI RRJ95	
<p>Which kind of actions should be taken in case of both ACPs fault ?</p> <p>A. It is necessary to descent to 10.000 ft (3000 m).</p> <p>B. It is necessary to activate Ram air ventilation by switch RAM AIR at Air Control Panel.</p> <p>C. Both actions must be executed.</p>		

26	SUKHOI RRJ95	
<p>The Air Conditioning supply temperature is controlled by:</p> <p>A. A single control knob.</p> <p>B. A dual control knob.</p> <p>C. A single control knob for the flight-deck and one or two for the passenger cabin.</p>		

27	SUKHOI RRJ95	
<p>If both forward compartment exhaust fans fail, the flight altitude should not exceed:</p> <p>A. 10.000 ft</p> <p>B. 8.000 ft.</p> <p>C. 15.000 ft.</p>		

25 = C	26 = C	27=A
--------	--------	------

1	SUKHOI RRJ-95	
<p>One engine inoperative conditions, above 35 ft, the speed target of the TO mode in flight will be maximum of...</p> <p>A. V 35 ft.</p> <p>B. V2 or Vref.</p> <p>C. Both A and B are correct.</p>		

2	SUKHOI RRJ-95	
<p>How the A/P can be disengaged manually?</p> <p>A. By the use of the A/P disconnect pushbutton located on the sidesticks or by pressing the A/P engage pushbutton if illuminated.</p> <p>B. By manual operation of the sidesticks or by action on the rudder pedal.</p> <p>C. Both A and B are corrected.</p>		

3	SUKHOI RRJ-95	
<p>A/T function is disengaged as follows:</p> <p>A. By action on either of two A/T disconnect buttons located on the throttle levers or by pressing the illuminated A/T pushbutton (except during Land track phase)</p> <p>B. By overriding action on both throttle levers or under detected failure conditions.</p> <p>C. Both A and B are correct..</p>		

1 = B	2 = C	3 = C
-------	-------	-------

4	SUKHOI RRJ-95	
<p>To cancel an Autopilot Vertical mode:</p> <p>A. Select another Vertical mode.</p> <p>B. Select the active mode again.</p> <p>C. Answers A or B or switch off the Autopilot:</p>		

5	SUKHOI RRJ-95	
<p>In Autothrottle (A/T) mode, the throttle control lever position represents the:</p> <p>A. Thrust limit.</p> <p>B. Thrust demanded by the Flight Management System (FMS).</p> <p>C. Thrust demanded by the Digital Engine Control Unit (DECU) :</p>		

6	SUKHOI RRJ-95	
<p>How can the FD be engaged ?</p> <p>A. The FD is automatically engaged at power up.</p> <p>B. FD is engaged when the Go Around phase is engaged on Flight Guidance Control Panel.</p> <p>C. Both A and B are correct.</p>		

4 = C	5 = B	6 = C
-------	-------	-------

7	SUKHOI RRJ-95	
<p>After takeoff it is possible to turn AP on above:</p> <p>A. 35 ft</p> <p>B. 50 ft</p> <p>C. 100 ft</p>		

8	SUKHOI RRJ-95	
<p>Which of the followings must be fulfilled in order to have FLT DIR MODES to be displayed on the FMA ?</p> <p>A. Both Flight Directors must be switched ON with the relevant FD Pushbutton on FCP.</p> <p>B. By pushing FD button on the left or right ECFP.</p> <p>C. Both A and B are correct.</p>		

9	SUKHOI RRJ-95	
<p>On ground: HDG or TRK modes , selected before takeoff, remains preselected until....</p> <p>A. 400 ft</p> <p>B. 1550 ft</p> <p>C. Turning the HDG knob.</p>		

7 = C	8 = B	9 = A
-------	-------	-------


	RRJ 95 QUESTIONNAIRE AUTO FLIGHT	22
---	--	-----------

10	SUKHOI RRJ-95	
<p>Pushing the VNAV pb on FGCP.....</p> <p>A.connects the flight management (FMS) descent mode.</p> <p>B.maintain rate of descent calculated</p> <p>C. Both A and B are correct.</p>		

11	SUKHOI RRJ-95	
<p>To restore control of the speed to FMS :</p> <p>A. push AUTO p/b on SPEED control area on the FGCP.</p> <p>B. push SPEED selector knob on SPEED control area on the FGCP :</p> <p>C. turn SPEED selector knob on SPEED control area on the FGCP.</p>		

12	SUKHOI RRJ-95	
<p>During NON Precision Approach the AP disconnects..</p> <p>A. at MDA -50 ft.</p> <p>B. at 500 ft</p> <p>C. switching off pushbutton on Side Stick.</p>		

10 = C	11= A	12 = A
--------	-------	--------


	RRJ 95 QUESTIONNAIRE COMMUNICATIONS	23
---	--	----

1	SUKHOI RRJ-100	
<p>To activate the Voice Recorder before Engine Start you have to press:</p> <p>A. The Ground control pushbutton.</p> <p>B. The CVR ERASE push button.</p> <p>C. The CVR Test pushbutton.</p>		

2	SUKHOI RRJ-100	
<p>In order to erase CVR recording you have to..</p> <p>A. Push the CVR ERASE push button once.</p> <p>B. Push the CVR ERASE push button for more than 2 seconds in flight.</p> <p>C. Push the CVR ERASE push button for more than 2 seconds provided the aircraft is on the ground and the Parking Brake is on.</p>		

3	SUKHOI RRJ-95	
<p>The Flight interphone System allows flight crew members to communicate....</p> <p>A...among themselves and through a jack on the external power panel, with the ground Mechanic.</p> <p>B...with the Cabin Attendant.</p> <p>C Both A and B are correct.</p>		

1 = A	2 = C	3 = A
-------	-------	-------


	RRJ 95 QUESTIONNAIRE COMMUNICATIONS	23
---	--	-----------

4	SUKHOI RRJ-95	
<p>After pressing the MECH transmission key on the Audio Control panel (ACP) is possible to speak to...</p> <p>A... ground Mechanic through the handset.</p> <p>B.. ground Mechanic via the hand-mike (regardless Push to talk position).</p> <p>C...ground Mech via the Boomset or Oxygen Mask(provided INT or RAD is selected) and via the hand-mike (pressing the push to talk)</p>		

5	SUKHOI RRJ-95	
<p>When using the OXY MASK or BOOM HEADSET, if the INT/RAD key is set to INT will the interphone background noise be heard when using the SIDESTICK P.T.T. for radio transmissions ?</p> <p>A. Yes.</p> <p>B. No.</p>		

6	SUKHOI RRJ-95	
<p>Is it possible to transmit on VHF and the P.A. at the same time?</p> <p>A. Never</p> <p>B. Yes by pressing the RAD toggle switch and the P.A. key.</p> <p>C. Yes by using the Stick Press to talk command and the P.A. key.</p>		

4 = C	5 = B	6 = A
--------------	--------------	--------------


	RRJ 95 QUESTIONNAIRE COMMUNICATIONS	23
---	--	----

7	SUKHOI RRJ-95	

8	SUKHOI RRJ-95	
<p>In order to receive ATIS information using a VOR frequency is necessary..</p> <p>A.. to select “ON VOICE” pushbutton on Audio Control Panel and to press (knob out) the related VOR reception knob.</p> <p>B...to select “ON VOICE” pushbutton only.</p> <p>C... select “RAD” only.</p>		

9	SUKHOI RRJ-95	
<p>If RMP 2 fails</p> <p>A. All COM Systems can be controlled by <u>the other</u> RMP.</p> <p>B. Only VHF 2 frequencies can not be controlled.</p> <p>C. The whole system is inoperative.</p>		

7 =	8 = A	9 = A
-----	-------	-------


	RRJ 95 QUESTIONNAIRE COMMUNICATIONS	23
---	--	-----------

10	SUKHOI RRJ-95	
<p>When you select CAPT 3 on the Audio Switching Panel..</p> <p>A.... the Captain uses the 3rd occupant headset.</p> <p>B... the 3 rd occupant uses Captain equipment.</p> <p>C.... the Captain uses his acoustic equipment and the 3 rd occupant ACP.</p>		

11	SUKHOI RRJ-95	
<p>If VHF 1 is selected on RMP 2, the SEL light illuminates white</p> <p>A. On RMP 2</p> <p>B. On RMP 1</p> <p>C. On RMP 1 and 2</p>		

12	SUKHOI RRJ-95	
<p>The Cockpit Voice Recorder is energized on ground as soon as the aircraft electrical network is supplied, but only for 5 minutes. It starts again as soon as..</p> <p>A...GND CTL is on.</p> <p>B...one Engine is running....</p> <p>C... Both A and B are correct</p>		

10 = C	11 = C	12 = C
--------	--------	--------


	RRJ 95 QUESTIONNAIRE COMMUNICATIONS	23
--	--	-----------

13	SUKHOI RRJ-95	
<p>What is the main purpose of the RMP?</p> <p>A. To tune Comm Radio Frequencies.</p> <p>B. To tune NAV AIDS when the MCDU has failed.</p> <p>C. Both A and B are correct.</p>		

14	SUKHOI RRJ-95	
<p>On the RMP, the ON/OFF switch controls:</p> <p>A. The Power supply to the RMP.</p> <p>B. Only the STBY NAV function of RMP.</p> <p>C. Only the COM function of RMP.</p>		

15	SUKHOI RRJ-95	
<p>STBY NAV has been selected by using the NAV key:</p> <p>A. VHF tuning function is lost on this RMP.</p> <p>B. VHF is still available but only the last tuned frequency can be used.</p> <p>C. NAV Key doesn't affect the Radio Comm. Frequency tuning.</p>		

13 = C	14 = A	15 = C
--------	--------	--------


	RRJ 95 QUESTIONNAIRE COMMUNICATIONS	23
---	--	-----------

16	SUKHOI RRJ-95	
<p>The Radio Communication System of the Sukhoi RRJ-95 a/c are:</p> <p>A. 3 VHF COM systems, 3 optional HF COM systems, 1 SELCAL system.</p> <p>B. 3 VHF COM systems, 2 optional HF COM systems.</p> <p>C. 2 VHF COM systems, 1 optional HF COM system, 2 SELCAL systems.</p>		

17	SUKHOI RRJ-95	
<p>State the location of the EVAC COMMAND switches:</p> <p>A. Purser station and Cabin attendant AFT left.</p> <p>B. Purser station and Pilot overhead panel.</p> <p>C. Pilot overhead panel and all Cabin attendant stations.</p>		

18	SUKHOI RRJ-95	
<p>What happens if the EVAC COMD pushbutton on the Purser EVAC PNL is pressed when the master selector on the EVAC CONTROL PANEL is in the CAPT position?</p> <p>A. EVAC signals are activated in the Cabin only.</p> <p>B. All EVAC signals are activated.</p> <p>C. EVAC signal is activated for 3 sec. in the Cockpit only.</p>		

16 = B	17 = B	18 = C
--------	--------	--------

	RRJ 95 QUESTIONNAIRE COMMUNICATIONS	23
--	--	-----------

19	SUKHOI RRJ-95	
<p>Is the EVAC alert activated when the COMMAND pushbutton on the EVAC purser panel is pressed?</p> <p>A. Yes, at any time.</p> <p>B. Yes, but only on ground.</p> <p>C. Yes provided the Cockpit EVAC switch is in the CAPT and PURS position.</p>		

20	SUKHOI RRJ-95	
<p>In case of Captain ACP (1) failure..</p> <p>A. Captain will use F/O ACP.</p> <p>B. Captain will use the third ACP provided the AUDIO SWITCHING is selected on CPT/3 position.</p>		

21	SUKHOI RRJ-95	
<p>During Emergency Electrical Configuration which VHF COM is supplied?</p> <p>A. VHF COM 1</p> <p>B. VHF COM 2</p> <p>C. VHF COM 3</p>		

19 = C	20 = B	21 = A
---------------	---------------	---------------

22	SUKHOI RRJ-95	
<p>When using NAV Key on RMP:</p> <ul style="list-style-type: none"> A. Auto tuning of Radio Aids is still available. B. Auto tuning capability of Nav aids is removed from both FMS. C. Auto tuning capability of Nav aids is removed from the onside FMS only 		

	SUKHOI RRJ-95	

	SUKHOI RRJ-95	

22 = B		
--------	--	--

1	SUKHOI RRJ 95	
<p>In normal configuration, how is the L DC ESS 1 Bus supplied?</p> <p>A. From TRU 1.</p> <p>B. From ESS TR.</p> <p>C. From TRU 2.</p>		

2	SUKHOI RRJ 95	
<p>L AC ESS BUS is normally supplied by:</p> <p>A. R AC BUS.</p> <p>B. L AC BUS.</p> <p>C. AC ESS INV BUS</p>		

3	SUKHOI RRJ 95	
<p>L DC ESS BUS 1 can be supplied by:</p> <p>A. L DC BUS</p> <p>B. L DC ESS 3 BUS and BAT 1 or BAT 3 or TRU 1</p> <p>C. TRU 3.</p>		


1 = A	2 = B	3 = B
-------	-------	-------

4	SUKHOI RRJ-95	
<p>In case of failure of TRU 1 and TRU 2 both L and R DC BUSSES are lost. Where are the DC ESS BUSSES connected?</p> <p>A. To the Battery 3 and 4.</p> <p>B. To the battery 3.</p> <p>C. To the battery 4.</p>		

5	SUKHOI RRJ-95	
<p>Where can the batteries voltage be checked?</p> <p>A. On the EWD ELEC page.</p> <p>B. On the ELEC Overhead panel.</p> <p>C. There is no indication.</p>		

6	SUKHOI RRJ-95	
<p>Recommended Minimum Battery Voltage before APU start is:</p> <p>A. 25.5 V.</p> <p>B. 27.5 V.</p> <p>C. 22.0 V.</p>		

4 = A	5 = B	6 = A
-------	-------	-------


	RRJ 95 QUESTIONNAIRE ELECTRICAL	24
---	---	-----------

7	SUKHOI RRJ 95	
<p>The static INVERTER transforms the DC power from the Battery 1 into:</p> <p>A. 1 KVA Single Phase 115 V. 400 Hz AC Power.</p> <p>B. 10 KVA Three Phases 115/200V 400 Hz AC Power.</p> <p>C. 10 KVA Single Phase 115 V 400 Hz AC Power.</p>		

8	SUKHOI RRJ 95	
<p>The EXTERNAL POWER has priority over the APU GEN when EXTERNAL POWER push button is ON:</p> <p>A. Yes.</p> <p>B. No.</p>		

9	SUKHOI RRJ 95	
<p>GEN 1 and GEN 2, when operating, have priority over APU GEN:</p> <p>A. Yes.</p> <p>B. No.</p>		

7 = A	8 = A	9 = A
-------	-------	-------

	RRJ 95 QUESTIONNAIRE ELECTRICAL	24
---	--	-----------

10	SUKHOI RRJ-95	
<p>A/C in flight with APU Power available. If one ENG GENERATOR fails, the failed generator is replaced by:</p> <p>A. The APU GENERATOR</p> <p>B. The other ENG GENERATOR.</p> <p>C. The EMERGENCY PWR INVERTER.</p>		

11	SUKHOI RRJ-95	
<p>When the a/c speed is below 50 knots the static Inverter is activated if nothing but the batteries is supplying electrical Power to the aircraft...</p> <p>A. ...provided all four BAT pushbutton switches are in AUTO position.</p> <p>B. ...provided BAT 1 or BAT 2 p/b switch is in AUTO position.</p> <p>C. ...regardless of BAT 1 and BAT 2 pushbutton switches position.</p>		

12	SUKHOI RRJ-95	
<p>Generators are sometimes connected in parallel.</p> <p>A. True.</p> <p>B. False</p> <p>C. True but only with APU.</p>		

10 = A	11 = A	12 = B
--------	--------	--------

13	SUKHOI RRJ-95	
<p>A/C in flight, when one Generator only is operative....</p> <p>A. Main Galley is automatically shed.</p> <p>B. Second Galley is automatically shed.</p> <p>C. All Galleys are shed.</p>		

14	SUKHOI RRJ-95	
<p>Is it possible to reconnect IDG in flight?</p> <p>A. Yes.</p> <p>B. No.</p>		

15	SUKHOI RRJ-95	
<p>In order to disconnect the IDG, the pushbutton switch should be pressed:</p> <p>A. For not less than 3 seconds.</p> <p>B. For no more than 5 seconds.</p> <p>C. For no more than 10 seconds.</p>		


13 = A	14 = B	15 = A
--------	--------	--------

16	SUKHOI RRJ-95	
<p>The green EXT PWR pushbutton AVAIL light is on when:</p> <p>A. The EXT PWR is plugged in and parameters are normal.</p> <p>B. The a/c network is supplied.</p>		

17	SUKHOI RRJ-95	
<p>What is the purpose of a TR unit?</p> <p>A. A TR unit is an overload protection for the system.</p> <p>B. A TR unit convert AC to DC.</p> <p>C. A TR unit ensures a very constant voltage for sensitive electronic equipment.</p>		

18	SUKHOI RRJ-95	
<p>What is the purpose of the STATIC INVERTER?</p> <p>A. The STATIC INVERTER reverses the phases to supply the AC ESS BUSSES.</p> <p>B. The STATIC INVERTER takes over if the ESS TR unit fails.</p> <p>C. With the failure of all GENERATORS the STATIC INVERTER changes DC from battery in AC current.</p>		

16 = A	17 = B	18 = C
--------	--------	--------

	RRJ 95 QUESTIONNAIRE ELECTRICAL	24
---	---	-----------

19	SUKHOI RRJ-95	
<p>On ground when the electrical system is initially powered by EXT PWR or by APU GEN the AC ESSENTIAL 4 BUS is supplied.....</p> <p>A.....directly from the R AC BUS.</p> <p>B.....from the BATTERIES by means of the STATIC INVERTER.</p> <p>C.... from BATTERY 1 by means of the STATIC INVERTER.</p>		

20	SUKHOI RRJ-95	
<p>The RAT is capable of supplying the EMERG GEN down to:</p> <p>A. 100 Kt</p> <p>B. 50 Kt</p> <p>C. 80 Kt</p>		

21	SUKHOI RRJ-95	
<p>The BATTERY OVERHEAT light comes ON when:</p> <p>A. BATTERY Voltage < 25</p> <p>B. BATTERY push button is set to OFF in flight.</p> <p>C. When the BATTERY temperature excesses 71°.</p>		

19 = A	20 = B	21 = C
--------	--------	--------

22	SUKHOI RRJ-95	
<p>L DC ESS BUS 1 can be supplied by:</p> <p>A. L DC BUS</p> <p>B. L DC ESS 3 BUS and BAT 1 or BAT 3 or TRU 1</p> <p>C. TRU 3</p>		

23	SUKHOI RRJ-95	
<p>What is the normal priority for supplying Electrical Power to the Aircraft?</p> <p>A. Eng Gen – Ext Pwr- APU Gen- Batteries- RAT.</p> <p>B. Eng Gen - Ext Pwr- APU Gen- RAT- Batteries.</p> <p>C. APU Gen – Ext Pwr – Eng Gen- RAT- Batteries</p>		

24	SU7KHOI RRJ-95	
<p>The DC electrical System distribution is protected by:</p> <p>A. Circuit breakers.</p> <p>B. Load Management Units (LMUs).</p> <p>C. Generators Control Units (GCUs).</p>		


22 = A	23 = B	24 = B
--------	--------	--------

1	SUKHOI RRJ-95	
<p>The following Equipments must be checked for presence and integrity before each flight:</p> <p>A. Infant life vest.</p> <p>B. Infant life vest, demo kit , extension seat belt.</p> <p>C. Infant life vest, demo kit.</p>		

2	SUKHOI RRJ-95	
<p>The Smoke hood ensures the eyes and respiratory system protection of a crew member:</p> <p>A. When fighting a fire and in case of smoke or noxious gas emission.</p> <p>B. In case of cabin depressurization.</p> <p>C. Both A and B are correct.</p>		

3	SUKHOI RRJ-95	
<p>The number of the portable oxygen bottles provided in the passenger cabin is:</p> <p>A. 3</p> <p>B. 4</p> <p>C. 5</p>		

1 = B	2 = C	3 = B
-------	-------	-------


	RRJ 95 QUESTIONNAIRE EQUIPMENT	25
---	-----------------------------------	----

4	SUKHOI RRJ-95	
<p>When a fire extinguisher is installed on its holder the safety pin must not be inserted in the safety pin hole.</p> <p>A. True</p> <p>B. False</p>		

5	SUKHOI RRJ-95	
<p>A “ready for use” status of the hood is ensured by checking that the “Good condition” indication on the smoke hood is:</p> <p>A. Green</p> <p>B. Yellow</p> <p>C. White</p>		

6	SUKHOI RRJ-95	
<p>The Smoke hood furnish an effective time of use of:</p> <p>A. 15 min.</p> <p>B. 30 min.</p> <p>C. 22 min.</p>		

4 = A	5 = A	6 = A
-------	-------	-------

	RRJ 95 QUESTIONNAIRE EQUIPMENT	25
---	-----------------------------------	----

7	SUKHOI RRJ-95	
<p>The number of escape slides that can be used as a floating device is:</p> <p>A. 4</p> <p>B. 6</p> <p>C. 8</p>		

8	SUKHOI RRJ-95	
<p>In case of an Emergency Evacuation with the nose gear collapsed or up all slides are usable.</p> <p>A. True</p> <p>B. False</p>		

9	SUKHOI RRJ-95	
<p>Are there any possibility to check Water tank QTY in the Cockpit ?</p> <p>A. Yes in the Overhead Panel.</p> <p>B. No, the related Control Panel is in Passenger Cabin Forward Attended Panel.</p> <p>C. No, the related panel is in Passenger Cabin AFT Attended Panel.</p>		

7 = A	8 = A	9 = C
-------	-------	-------

1	SUKHOI RRJ-95	
<p>Which additional external warnings are activated in case of an APU FIRE on ground only ?</p> <p>A. An external horn warning.</p> <p>B. A fire bell warning.</p> <p>C. APU FIRE light and an external horn warning.</p>		

2	SUKHOI RRJ-95	
<p>An APU FIRE , on ground is normally extinguished...</p> <p>A. ...from the APU FIRE PANEL.</p> <p>B. ...automatically.</p> <p>C. ...from the EXTERNAL POWER panel.</p>		

3	SUKHOI RRJ-95	
<p>Which systems are isolated when the APU FIRE pushbutton is released out ?</p> <p>A Fuel, Electrical.</p> <p>B. Air, Electrical.</p> <p>C. Fuel, Air, Electrical.</p>		

1 = C	2 = B	3 = C
-------	-------	-------

4

SUKHOI RRJ-95

Which of the following are monitored for protection against Fire or Smoke?

- A. Engines, APU, aft cargo, lavatories and avionics bay.
- B. Engines, APU, aft cargo, wheel well, lavatories and avionics bay.
- C. Engines, APU, forward and aft cargo, lavatories and avionics bay.

5

SUKHOI RRJ-95

When the APU FIRE pushbutton is released out....

- A.the APU Generator is deactivated.
- B. ... the APU Generator is disconnected.
- C.the APU Generator is still energized.

6

SUKHOI RRJ-95

Where are the Engine Fire Detectors located?

- A. On the Pylon, the Fan and the core sections.
- B. On the core and the Gearbox.
- C. On the Fan and the turbine.

4 = C

5 = A

6 = A


	RRJ 95 QUESTIONNAIRE FIRE PROTECTION	26
--	---	-----------

7	SUKHOI RRJ-95	
<p>When one ENG FIRE is released out its engine is isolated from the following a/c systems:</p> <ul style="list-style-type: none"> A. FUEL , AIR, ELEC. B. FUEL , AIR, HYD. C. FUEL , AIR, ELEC, HYD. 		

8	SUKHOI RRJ-95	
<p>When an ENG FIRE pushbutton is released out:</p> <ul style="list-style-type: none"> A. The Squib lights come ON. B. The Squib lights remain OFF. C. The Squib lights flash red. 		

9	SUKHOI RRJ-95	
<p>The ENGINE and APU FIRE Protection Systems include:</p> <ul style="list-style-type: none"> A. 2 Fire Extinguishing Bottles for the Engines - 1 Fire Extinguishing Bottle for the APU. B. 1 FIRE Extinguishing Bottle for each Engine - 1 Fire Extinguishing Bottle for the APU. C. 2 FIRE Extinguishing Bottles for the Engines – 2 FIRE Extinguishing Bottles for the APU. 		

7 = C	8 = A	9 = A
--------------	--------------	--------------

	RRJ 95 QUESTIONNAIRE FIRE PROTECTION	26
--	---	-----------

10	SUKHOI RRJ-95	
<p>If an APU FIRE occurs on ground.....</p> <p>A.you must immediately discharge a fire extinguisher bottle.</p> <p>B.you must discharge both agents after 10 seconds.</p> <p>C.the fire extinguisher bottle is automatically discharged after 3 seconds.</p>		

11	SUKHOI RRJ-95	
<p>Eng 1, if one of the Fire Overheat detection channel fails and the other channel detects a fire, select the correct statement</p> <p>A. The unaffected channel still protect.</p> <p>B. The Fire Detection Unit no longer initiate a fire warning.</p>		

12	SUKHOI RRJ-95	
<p>How is the extinguisher bottle operated ?</p> <p>A. Electrically</p> <p>B. Pneumatically.</p> <p>C. Hydraulically</p>		

10 = C	11 = A	12 = A
--------	--------	--------

	RRJ 95 QUESTIONNAIRE FIRE PROTECTION	26
---	---	-----------

13	SUKHOI RRJ-95	
<p>How is possible to recognize that engine fire condition still exist ?</p> <p>A. By the ENG FIRE light in the pushbutton and the FIRE light on the pedestal.</p> <p>B. Only by the ENG FIRE light in the pushbutton.</p> <p>C. By the illumination of SQUIB light.</p>		

14	SUKHOI RRJ-95	
<p>If an APU FIRE TEST is performed while the APU is running.....</p> <p>A. ...the APU continues to operate normally but, in case of need the automatic shutdown of the APU on ground, will not occur while the test is in progress.</p> <p>B.it shuts down automatically.</p> <p>C.the test is inhibited.</p>		

15	SUKHOI RRJ-95	
<p>How many Fire Overheat pneumatic detectors channels are checked in each engine during test ?</p> <p>A. 1</p> <p>B. 2</p> <p>C. 3</p>		

13 = A	14 =A	15 = B
--------	-------	--------


	RRJ 95 QUESTIONNAIRE FIRE PROTECTION	26
---	---	-----------

16	SUKHOI RRJ-95	
<p>Are the AGENT pushbutton active when the related ENG FIRE pushbutton is in the IN & GUARDED position ?</p> <p>A. No.</p> <p>B. Yes.</p> <p>C. Yes, but only when the engine has actually fire conditions.</p>		

17	SUKHOI RRJ-95	
<p>After an APU fire warning the APU FIRE light extinguishes. It means that:</p> <p>A. the APU fire condition no longer exist.</p> <p>B. the APU MASTER Sw has been switched OFF.</p> <p>C. Both A and B are correct.</p>		

18	SUKHOI RRJ-95	
<p>ENG FIRE in flight. Prior to operate the AGENT 1 discharge, a 10 seconds delay must be observed after engine shutdown , because</p> <p>A.the fire can be confirmed again.</p> <p>B.Agent 1 needs 10 seconds to operate.</p> <p>C.the extinguishing agent can work more effectively.</p>		

16 = A	17 = A	18 = C
--------	--------	--------

	RRJ 95 QUESTIONNAIRE FIRE PROTECTION	26
---	---	-----------

19	SUKHOI RRJ-95	
<p>Pressing the ENG FIRE pushbutton (on the Eng.Fire Panel) causes the closure of:</p> <ul style="list-style-type: none"> A. The LP fuel Shut Off Valve. B. The Fuel LP Valve and the HP Valve (due to LP Valve closure). C. The Fuel HP Valve. 		

20	SUKHOI RRJ-95	
<p>Smoke Detection Systems are installed in :</p> <ul style="list-style-type: none"> A. The Avionics Bay and the Cargo Compartment. B. The Avionics Bay , the Cargo Compartment and the Lavatories. C. The Avionics Bay, the Cargo Compartment, the Lavatory and the Galleys. 		

21	SUKHOI RRJ-95	
<p>Where are the Engine Fire Detectors located?</p> <ul style="list-style-type: none"> A. On the Pylon, the Fan and the core sections. B. On the core and the Gearbox. C. On the fan and the Turbine. 		

19 = A	20 = B	21 = A
--------	--------	--------

1	SUKHOI RRJ95	
<p>The Flaps are powered :</p> <p>A. By HS 1 and HS 2</p> <p>B. By HS 1, HS 2 and HS 3.</p> <p>C. Electrically.</p>		

2	SUKHOI RRJ95	
<p>Dispatch of the aircraft is allowed in case of one PFCU (Primary Flight Control Units) failure or one aileron ACE (Actuator Control Electronic) or (aileron actuator) failure or one spoiler ACE (or spoiler actuator) failure.</p> <p>A. True</p> <p>B. False.</p>		

3	SUKHOI RRJ95	
<p>ELEVATOR, AILERONS, SPOILERS are:</p> <p>A. Hydraulically actuated and mechanically controlled.</p> <p>B. Electrically actuated and Hydraulically controlled.</p> <p>C. Hydraulically actuated and Electrically controlled.</p>		

1 = C	2 = A	3 = B
-------	-------	-------

4	SUKHOI RRJ95	
<p>Rudder is electrically controlled for:</p> <p>A. Yaw Damper and rudder TRIM.</p> <p>B. Yaw Damping turn coordination.</p> <p>C. Yaw Damping only.</p>		

5	SUKHOI RRJ95	
<p>3 Multifunctional spoilers (MFS) and 2 Ground spoilers(GS) on each wings provide to:</p> <p>A. Roll control assistance and in flight speed brake the MFS.</p> <p>B. Ground lift dumping (GS+MFS).</p> <p>C. Both A and B are correct.</p>		

6	SUKHOI RRJ95	
<p>In Normal Law the Flight Mode changes to FLARE when a/c in landing passes :</p> <p>A. 50 ft</p> <p>B. 100 ft</p> <p>C. 75 ft</p>		

4 = B	5 = C	6 = A
-------	-------	-------

7	SUKHOI RRJ95	
<p>During landing as the aircraft descend through 30 ft.....</p> <p>A.the pitch attitude is memorized.</p> <p>B.the pitch attitude is progressively reduced to 2° NOSE DOWN.</p> <p>C.the FLARE MODE disengages.</p>		

8	SUKHOI RRJ95	
<p>In ROLL NORMAL LAW the Bank Angle Protection limits the Bank angle to:</p> <p>A. 45°</p> <p>B. 35°</p> <p>C. 67°</p>		

9	SUKHOI RRJ95	
<p>The ROLL NORMAL LAW provides combined control of the:</p> <p>A. Aileron + Spoilers (MFS)+ Rudder.</p> <p>B. Aileron + Spoilers (MFS).</p> <p>C. Aileron + Rudder + Spoilers (all MFS and GS).</p>		

7 = B	8 = C	9 = A
-------	-------	-------

10

SUKHOI RRJ95

Which signals cause rudder pedal movement ?

- A. Turn Coordination Signals.
- B. Yaw Damping Signals.
- C. Rudder trim Signals.

11

SUKHOI RRJ95

If you are flying at an ANGLE OF ATTACK greater than α PROT what happens when you release the stick ?

- A. ANGLE OF ATTACK returns to α floor.
- B. ANGLE OF ATTACK returns to α PROT.
- C. ANGLE OF ATTACK remains at α MAX.

12

SUKHOI RRJ95

How many Hydraulic Systems actuate the Rudder?

- A. 1
- B. 2
- C. 3

10 = C

11 = B

12 = C

	RRJ 95 QUESTIONNAIRE FLIGHT CONTROLS	27
--	---	-----------

13	SUKHOI RRJ95	
<p>In case of Electrical Control failure an extended Spoiler.....</p> <p>A.retains its last position.</p> <p>B.retracts and remain retracted.</p> <p>C. ... it is pushed down partially by air loads.</p>		

14	SUKHOI RRJ95	
<p>In case of TOTAL ELECTRICAL POWER LOSS, none of the FLIGHT CONTROL COMPUTERS are powered. Is the YAW DAMPER still operative ?</p> <p>A. Yes with ACE 1 (Actuator Control Electronic).</p> <p>B. Yes with ACE 2 (Actuator Control Electronic).</p> <p>C. No. The YAW DAMPER is inoperative.</p>		

15	SUKHOI RRJ95	
<p>While flying manually, in a 25° bank turn, if speed is reduced is it necessary to trim the aircraft ?</p> <p>A. No, AUTO TRIM will take care of things.</p> <p>B. Yes, AUTO TRIM is available only when at least one AUTOPILOT is engaged.</p> <p>C. No, but a light pitch up input must be applied as long as you are in the turn.</p>		

13 = B	14 = C	15 = A
--------	--------	--------

16	SUKHOI RRJ 95	
<p>How is the rudder controlled and actuated?</p> <p>A. Mechanically controlled and Hydraulically actuated.</p> <p>B. Electrically or mechanically controlled and hydraulically actuated.</p> <p>C. Electrically controlled and hydraulically actuated.</p>		

17	SUKHOI RRJ 95	
<p>At take-off until height gains 400 feet (120 mt.) or during 30 seconds after reaching the speed of 150 Km/h, the wing flap retraction is blocked.</p> <p>A. True</p> <p>B. False</p>		

18	SUKHOI RRJ 95	
<p>Which surfaces are used to control the roll axis?</p> <p>A. Spoilers.</p> <p>B. Aileron and Flight Spoilers.</p> <p>C. Aileron and four Ground Spoilers.</p>		

16 = C	17 = A	18 = B
--------	--------	--------

1

SUKHOI RRJ-95

Normally, where can you check the fuel quantity on each tank ?

- A. On PFD DISPLAY.
- B. On MFD DISPLAY (Fuel page only).
- C. On both PFD and EWD..

2

SUKHOI RRJ-95

At which fuel quantity the L/R WING TK LO LVL warning triggered on the EWD ?

- A. Below 500 Kg.
- B. Above 900 Kg.
- C. Below 800 Kg.

3

SUKHOI RRJ-95

Where is the VENT SURGE tank located ?

- A. Outboard of each wing tank.
- B. Between the inner and outer section of each wing tank.
- C. On each side of the center tank.

1 = B

2 = C

3 = A

4	SUKHOI RRJ-95	
<p>What is the minimum fuel quantity for take off ?</p> <p>A. 750 Kg</p> <p>B. 1500 Kg</p> <p>C. 2000 Kg</p>		

5	SUKHOI RRJ-95	
<p>Amber FAULT light illuminates on L or R TANK PUMP's pushbuttons when:</p> <p>A. The delivery fuel pressure drops.</p> <p>B. Pump is not energized.</p> <p>C. Wing tank quantity below 750 Kg. (1650 lb).</p>		

6	SUKHOI RRJ-95	
<p>What is the maximum allowed wing fuel unbalance ?</p> <p>A. 750 Kg. when the heavier tank content is full.</p> <p>B. 1500 Kg. when the heavier tank content is full.</p> <p>C. 1350 Kg. when the heavier tank content is full.</p>		

4 = B	5 = A	6 = C
-------	-------	-------

7

SUKHOI RRJ-95

Fuel feed sequence, tanks are emptied in the following sequence:

- A. Center tank-outer tanks, inner tanks.
- B. Outer tanks, inner tanks, center tank.
- C. Center tank, inner tanks, outer tanks.

8

SUKHOI RRJ-95

Engine Start panel, during an automatic or manual engine start, when the Eng Master is moved to the On position how is commanded the main engine fuel shutoff?

- A. It is commanded open.
- B. It is commanded closed.

9

SUKHOI RRJ-95

The ENGINE SHUT OFF valves are closed by:

- A. ENGINE FIRE pushbutton on X-FEED pushbutton.
- B. ENGINE FIRE pushbutton or MODE SELECTOR pushbutton in manual.
- C. ENGINE FIRE pushbutton or the ENGINE MASTER SWITCHES.

7 = C

8 = A

9 = C

10

SUKHOI RRJ-95

A fuel low level sensor is installed....

- A. ...in each tank.
- B.in the R/H tank only.
- C.in the L/H tank only.

11

SUKHOI RRJ-95

What is the meaning of the bar green light on the CROSS FEED pushbutton ?

- A. The valve is opened..
- B. The valve is commanded open.
- C. The valve is closed.

12

SUKHOI RRJ-95

What is the meaning of the dark bar light on the CROSS FEED pushbutton ?

- A. The valve is commanded open.
- B. The valve is closed
- C. The valve is in transit.

10 = A

11 = A

12 = B

13	SUKHOI RRJ-95	
<p>The APU fuel supply monitoring is</p> <p>A.displayed on the MFD FUEL page.</p> <p>B ... not displayed on any page.</p> <p>C. Displayed on the MFD APU page.</p>		

14	SUKHOI RRJ-95	
<p>The standard refuel panel is located..</p> <p>A. ...at the lower part of the R/H wing to fuselage fairing.</p> <p>B.on the L/H center wing</p> <p>C.on the flight deck.</p>		

15	SUKHOI RRJ-95	
<p>Fuel feed sequence_ Tanks are emptied in the following sequence:</p> <p>A. Center tanks first; wing tanks then.</p> <p>B. Wing tanks first; center tank then.</p>		

13 = A	14 = A	15 = A
--------	--------	--------

16

SUKHOI RRJ-95

FUEL X-FEED VALVE FAULT the status condition is displayed:

- A. On EWD, by caution message accompanied by illumination of central signal light yellow colour and one bell sound.
- B. On the “FUEL” page of left (right) MFD.
- C. Both A and B are correct.

17

SUKHOI RRJ-95

How is indicated in the EICAS the “Low Fuel Pressure” at the left engine input ?

- A. “Engine Fuel Low pressure”.
- B. “L Eng. LO PR “.

18

SUKHOI RRJ-95

The Fuel system includes a temperature sensor installed...

- A. ...in the L/H tank.
- B. ...in the R/H tank.
- C. ...in the L/H and the R/H tank.

16 = C

17 = B

18 = C

19

SUKHOI RRJ-95

Where is indicated the total fuel?

- A. It is not indicated.
- B. In the upper zone of MFD Fuel page.
- C. In the EWD.

19 = B

1	SUKHOI RRJ 95	
<p>In the HS2 (Hydraulic System 2) when the DCMP (DC Motor Driven Pump) operate ?</p> <p>A. Only when the primary ACMP (AC Motor Driven Pump) has failed.</p> <p>B. Only when there are two engines failure.</p> <p>C. Both are correct.</p>		
2	SUKHOI RRJ 95	
<p>When the HS1 backup pump (ACMP) operates ?</p> <p>A. It operates when the HS2 pumps are inoperative.</p> <p>B. It operates automatically during landing gear extension and retraction.</p> <p>C. It operates in case of failure of HS3 EDP (Engine Driven Pump).</p>		
3	SUKHOI RRJ 95	
<p>On ground HS1 normally is pressurized when:</p> <p>A. The APU is running.</p> <p>B. Left engine is running.</p> <p>C. EXT POWER is available.</p>		
1 = C	2 = B	3 = B

4

SUKHOI RRJ 95

In HS2 how is powered the DCMP ?

- A. From the Static Inverter.
- B. From TRU1 (Transformer Rectifier Unit 1).
- C. From Batteries.

5

SUKHOI RRJ 95

The RAT is automatically extended in case of:

- A. Loss of L and R AC Busses.
- B. HS1 EDP failure.
- C. Can only be extended manually.

6

SUKHOI RRJ 95

To which Hydraulic System are the Reverser connected ?

- A. HS1
- B. HS2
- C. HS1 for LH thrust Reverser, HS3 for RH thrust Reverser.

4 = C

5 = A


6 = C

7	SUKHOI RRJ 95	
<p>The RAT can be restowed:</p> <p>A. In flight.</p> <p>B. On ground only.</p> <p>C. On ground and in flight.</p>		

8	SUKHOI RRJ 95	
<p>Are the Hydraulic Reservoir Qty's levels indicated on the Hydraulic Synoptic Page ?</p> <p>A. Yes</p> <p>B. No</p>		

9	SUKHOI RRJ 95	
<p>In case of single Hydraulic System LOW PRESS...</p> <p>A. the MASTER WARN light comes ON.</p> <p>B. the MASTER CAUTION light comes ON and the single chime sounds.</p> <p>C. only a local warning comes ON.</p>		

7 = B	8 = A	9 = B
-------	-------	-------

	RRJ 95 QUESTIONNAIRE HYDRAULIC	29
---	---	-----------

10	SUKHOI RRJ95	
<p>What PTU (Power Transfer Unit) is used for ?</p> <p>A. It is used to provide landing gear extension and retraction in case of left engine or HS1 EDP failure during takeoff and landing.</p> <p>B. PTU is used to provide only Landing Gear extension in case of HS1 EDP failure during landing.</p> <p>C. PTU is used to provide only Landing Gear retraction in case of HS1 EDP failure in flight.</p>		

11	SUKHOI RRJ95	
<p>In case of HS2 lost...</p> <p>A.the Nose Wheel Steering is lost.</p> <p>B.the Nose Wheel Steering is operative.</p> <p>C.the Nose Wheel Steering operates slowly.</p>		

12	SUKHOI RRJ95	
<p>What is the purpose of the System Accumulators ?</p> <p>A. To serve as an energy storage unit in case of a pump failure.</p> <p>B. To compensate pressure fluctuation in the system.</p> <p>C. To assure Reverse Systems operation.</p>		

10 = A	11 = A	12 = B
--------	--------	--------

1	SUKHOI RRJ95	
<p>In case of Electrical Power Supply loss, in flight, the Engine Anti-Ice valves.....</p> <p>A. ...remain in the last selected position.</p> <p>B. ...open automatically.</p> <p>C. ...close automatically.</p>		

2	SUKHOI RRJ95	
<p>When an engine is started:</p> <p>A. Window heating comes ON automatically.</p> <p>B. Window heating comes ON automatically when the second engine is started.</p> <p>C. Window heating comes ON when the relative switch is pressed.</p>		

3	SUKHOI RRJ95	
<p>Probe /Window heat in AUTO position, Pitot heating operates:</p> <p>A. At weak level on ground with at least one engine running and strong level in flight.</p> <p>B. In flight only.</p> <p>C. On ground above 80 knots.</p>		

1 = B	2 = A	3 = A
-------	-------	-------

4

SUKHOI RRJ 95

Is it possible on ground, to manually turn the Window heating ON ?

- A. No, it comes automatically ON when the external temperature is $<5^{\circ}\text{C}$
- B. Yes before engine start, by the Probe/Window pushbutton.
- C. No, it comes automatically ON when the external temperature is $<2^{\circ}\text{C}$

5

SUKHOI RRJ 95

What happens when you set the WING Anti-Ice switch to ON on the ground ?

- A. The WING Anti-Ice valves open for 30 seconds then CLOSE.
- B. The WING Anti-Ice valves do not OPEN.
- C. The WING Anti-Ice valves remain OPEN.

6

SUKHOI RRJ 95

When Engine Anti-Ice is selected ON:


- A. No Ignition is automatically selected.
- B. The associated pack is closed.
- C. Both conditions are automatically achieved.

4 = B

5 = A

6 = A

7	SUKHOI RRJ95	
<p>The Engine ANTI-ICE Valve closes automatically if:</p> <ul style="list-style-type: none">A. Air is not available (engine not running).B. High Air Pressure is detected.C. Low Air Temperature is detected.		
8	SUKHOI RRJ95	
<p>How can you check that Engine Anti-Ice has been activated ?</p> <ul style="list-style-type: none">A. On MFD.B. On the EWD memo section and MFD AIR Synoptic page.C. On the EWD AIR page.		
9	SUKHOI RRJ95	
<p>The WING ANTI-ICE Shutoff Valves close the effected side automatically in case of:</p> <ul style="list-style-type: none">A. Engine failure.B. Leak detection during normal operation.C. Cross Bleed valve fault when WING ANTI-ICE is used.		
7 = A	8 = B	9 = B

	RRJ 95 QUESTIONNAIRE ICE & RAIN PROTECTION	30
---	---	-----------


10	SUKHOI RRJ 95	
<p>Which air source supplies the engine Anti-Ice System?</p> <p>A. Bleed Air from the Pneumatic System.</p> <p>B. APU Bleed Air.</p> <p>C. Compressor Bleed Air from the respective engine.</p>		

11	SUKHOI RRJ 95	
<p>The aircraft is on ground, the engines are off. The PROBE/WINDOW Heat pushbutton switch is in AUTO. How are the cockpit windows heated ?</p> <p>A. With Strong level.</p> <p>B. With Weak level.</p> <p>C. Not at all.</p>		

12	SUKHOI RRJ 95	
<p>What happens when you select the ENG ANTI- ICE ON ?</p> <p>A. Only the Engine intake will be heated.</p> <p>B. The Engine intake is heated, the idle speed is increased.</p> <p>C. Continuous ignition is activated and the Pack flow is increased.</p>		

10 = C	11= C	12 = B
--------	-------	--------

13	SUKHOI RRJ 95	
<p>The WIPERS can operate,</p> <p>A. At LOW and HIGH speed or INTERMITTENT.</p> <p>B. Only at one speed.</p> <p>C. At LOW, MEDIUM and HIGH.</p>		
14	SUKHOI RRJ 95	
<p>The wing anti-ice system uses hot air from :</p> <p>A. Engine N°1 only.</p> <p>B. Both engines.</p> <p>C. Engine N° 2 only.</p>		
15	SUKHOI RRJ 95	
<p>Which of following a/c parts are not anti- iced ?</p> <p>A. STABILIZER Surfaces.</p> <p>B. SLATS System.</p>		
13 = A	14 = B	15 = A


	RRJ 95 QUESTIONNAIRE ICE & RAIN PROTECTION	30
---	---	-----------

16	SUKHOI RRJ 95	
<p>When Windshield Heating can be controlled automatically on ground?</p> <p>A. After engine start.</p> <p>B. With APU running.</p> <p>C. With APU running and EXT PWR available.</p>		

17	SUKHOI SJ100	
<p>How many pushbuttons are available to spray the repellent fluid on windshields ?</p> <p>A. One pushbutton for both windshields.</p> <p>B. Two pushbuttons, one for LH and one for RH windshield, in the overhead panel.</p>		

18	SUKHOI RRJ 95	
<p>The Airfoil anti-ice system consists of:</p> <p>A. The wing anti-ice system.</p> <p>B. The wing anti-ice system and the horizontal stabilizer anti-ice system.</p> <p>C. The wing anti- ice system and the engine intake anti ice system</p>		

16 = A	17 = B	18 = A
--------	--------	--------

	RRJ 95 QUESTIONNAIRE ICE & RAIN PROTECTION	30
--	---	-----------

19	SUKHOI RRJ 95	
<p>Besides the windshield, which flight deck windows are heated?</p> <p>A. Sliding windows and fixed windows.</p> <p>B. Fixed windows only.</p> <p>C. Sliding windows only.</p>		

20	SUKHOI RRJ 95	
<p>On air panel when “APU BLEED” push/button is pressed and the bleed air supplied from APU takes place, the light “ON” illuminates. Which colour?</p> <p>A. Red.</p> <p>B. Green.</p>		

19 = C	20 = B	
--------	--------	--

1	SUKHOI RRJ-95	
<p>In case of PFDU failure, the PFD image will be transferred to the MFD...</p> <p>A.automatically.</p> <p>B. ...either manually or automatically.</p> <p>C. ...manually.</p>		

2	SUKHOI RRJ-95	
<p>What is the basic role of the DMCs ?</p> <p>A. Generation of Audio Warnings.</p> <p>B. Generation of Amber Warnings.</p> <p>C. They generate the images to be displayed on DUs.</p>		

3	SUKHOI RRJ-95	
<p>Which is the correct position for PFD and MFD ?</p> <p>A. The PFD should be outboard and MFD should be inboard.</p> <p>B. The PFD should be inboard and the MFD should be outboard.</p> <p>C. The PFD should be to the left of the MFD for both seat positions.</p>		


1 = A	2 = C	3 = A
-------	-------	-------

4	SUKHOI RRJ-95	
<p>The “Check ATT” amber messages appears on both PFDs at the same time.</p> <p>A. True</p> <p>B. False</p>		

5	SUKHOI RRJ-95	
<p>CAS message and abnormal checklist are shown on...</p> <p>A ...PFD.</p> <p>B ...EWD.</p> <p>C: ...MFD.</p>		

6	SUKHOI RRJ-95	
<p>The Amber Altitude window appears flashing:</p> <p>A. When a/c goes below MDA.</p> <p>B. When a/c deviates from its selected Altitude or selected FL.</p> <p>C. Both A & B are correct.</p>		

4 = A	5 = B	6 = B
-------	-------	-------

	RRJ 95 QUESTIONNAIRE IND. RECORD. SYSTEM	31
---	---	-----------

7	SUKHOI RRJ-95	
<p>The RA gives height on PFD...</p> <p>A.at the top of the Attitude sphere.</p> <p>B.on the Altitude Scale.</p> <p>C. Both A & B are correct.</p>		

8	SUKHOI RRJ-95	
<p>When RADAR is selected ON the following data may be shown on MFD:</p> <p>A. TILT angle.</p> <p>B. TILT angle + calibration mode.</p> <p>C. Calibration mode.</p>		

9	SUKHOI RRJ-95	
<p>One of the reason for “MAP NOT AVAIL” message to be displayed is :</p> <p>A. MCDU failure.</p> <p>B. A/c position delivered by FMGC is not valid.</p> <p>C. Engines not running.</p>		

7 = C	8 = B	9= B
-------	-------	------

10

SUKHOI RRJ-95

Which kind of information can be displayed in the MFDs displays ?

- A. NAVIGATION (EFIS).
- B. Systems (EICAS) after selection of the crew.
- C. Both A & B are correct.

11

SUKHOI RRJ-95

What will be displayed on the EWD ?

- A. PFD and MFD information as a BACK UP.
- B. The Weather Radar Messages and Systems information.
- C. Engine Parameters, Warnings, Systems information and Status.

12

SUKHOI RRJ-95


In ROSE ILS MODE, what ILS information does the MFD display?

- A. G/S and LOC scales.
- B. Deviation BAR and Selected Course.
- C. Deviation Bar, Selected Course, G/S and LOC Scales.

10 = C

11 = C

12 = C


	RRJ 95 QUESTIONNAIRE IND. RECORD. SYSTEM	31
---	---	-----------

13	SUKHOI RRJ-95	
<p>Can we listen a FWC generated message through the loud speakers even if they are switched OFF ?</p> <p>A. No.</p> <p>B. Yes.</p>		

14	SUKHOI RRJ-95	
<p>Why is important to check the clock?</p> <p>A. Both pilots must have the exact time.</p> <p>B. The clock is the TIME DATA INFO for several systems.</p> <p>C. Time is sent to CFDIU.</p>		

15	SUKHOI RRJ-95	
<p>Which of following indication are shown on Flight Mode Annunciator (FMA) ?</p> <p>A. Speed, Mach.</p> <p>B. Speed, Mach, Thrust, αFloor.</p> <p>C. Speed, Mach, Thrust.</p>		

13 = B	14 = B	15 =C
--------	--------	-------


	RRJ 95 QUESTIONNAIRE IND. RECORD. SYSTEM	31
---	---	-----------

16	SUKHOI RRJ 95	
<p>CAS messages, when a red Warning is shown.....</p> <p>A. immediate awareness and subsequent crew action is required.</p> <p>B.immediate recognition and corrective or compensatory action by the crew is required.</p> <p>C.crew awareness is required and subsequent crew action may be required.</p>		

17	SUKHOI RRJ 95	
<p>Indication of Total Fuel Qty-Fuel Temp-Aircraft flying weight are shown in EWD (Engine Warning Display), in which zone?</p> <p>A. Left upper zone.</p> <p>B. Right upper zone.</p> <p>C. Left lower zone.</p>		

18	SUKHOI RRJ 95	
<p>EICAS system, which colour code indicates the “WARNING “ level of a fault or status flag?</p> <p>A. Yellow.</p> <p>B. Red</p> <p>C. White</p>		

16 = B	17 = C	18 = B
--------	--------	--------

	RRJ 95 QUESTIONNAIRE IND. RECORD. SYSTEM	31
--	---	-----------

19	SUKHOI RRJ 95	
<p>What is shown on Right lower zone of Engine Warning Display (EWD)?</p> <p>A. Temperature of ram air and outside air temperature.</p> <p>B. Cockpit pressurization data and aerodrome altitude.</p> <p>C. Display of landing gear position.</p>		

20	SUKHOI RRJ 95	
<p>PFD 1 or PFD 2 fault, the images....</p> <p>A. are lost</p> <p>B. ... are automatically switched to MFD 1 or MFD 2 accordingly.</p> <p>C. ... are switched to EWD.</p>		

21	SUKHOI RRJ 95	
<p>How can the three modes of operation Rose,Arc,Plan be selected on ND's?</p> <p>A. With a "Nav Aid" button on Electronic Flight Control Panel (EFCP).</p> <p>B. With a "Mode" button on Electronic Flight Control Panel (EFCP).</p> <p>C. With the "FD " button on Electronic Flight Control Panel (EFCP).</p>		

19 = B	20 = B	21 = B
--------	--------	--------

1	SUKHOI RRJ-95	
<p>Maximum speed for Landing Gear retraction (VLO RET) is:</p> <p>A. 200 Kt</p> <p>B. 215 Kt</p> <p>C. 250 Kt</p>		

2	SUKHOI RRJ-95	
<p>The NOSE WHEEL STEERING is powered:</p> <p>A. By the HS1 System.</p> <p>B. By the HS2 System.</p> <p>C. By the HS1 and HS3 Systems.</p>		

3	SUKHOI RRJ-95	
<p>The NOSE WHEEL STEERING operation is possible after having put ON the NW STRG Switch if following conditions are verified (Let assume HYD and ELECTRICAL Power are OK).</p> <p>A. Aircraft ground speed is less than 70 Kt.</p> <p>B. The Nose Landing Gear Doors are closed.</p> <p>C. Compressed conditions of main landing gear legs.</p>		

1 = B	2 = B	3 = B
-------	-------	-------

4

SUKHOI RRJ-95

The Hand Wheels in the cockpit provide a Nose Wheel Angle of:

- A. $\pm 85^\circ$
- B. $\pm 65^\circ$
- C. $\pm 75^\circ$.

5

SUKHOI RRJ-95

Hydraulic pressure to the Landing Gear is supplied up to:

- A. 280 Kt
- B. Any speed.
- C. 260 Kt.

6

SUKHOI RRJ-95

After T/O the Left Main Gear Shock Absorber is stuck in compressed position....

- A. ...the Gear can be safely retracted under all circumstances.
- B. ...the Gear can be safely retracted only after checking the Steering Handwheel centered position.
- C.the Gear cannot be retracted.

4 = B

5 = C

6 = C

7	SUKHOI RRJ-95	
<p>During an approach you get MASTER WARNING and EWD message: L/G NOT DOWN. The reason is:</p> <p>A. L/G not downlocked when Flap at 3 and both Radio Altimeter failed.</p> <p>B. L/G not downlocked when Flap at 3 and Radio Height lower than 750 ft.</p> <p>C. Both A and B are correct.</p>		

8	SUKHOI RRJ-95	
<p>Max Brake Temperature admitted before taxi is :</p> <p>A. 230° C</p> <p>B. 300° C</p> <p>C. 150° C</p>		

9	SUKHOI RRJ-95	
<p>What is the use of PARK-EMERGENCY BRAKE SYSTEM ?</p> <p>A. It is used for braking in park area.</p> <p>B. It is used for pre-start braking and for emergency braking in case of main braking system failure.</p> <p>C. Both A and B are correct.</p>		

7 = C	8 = A	9 = C
-------	-------	-------

10

SUKHOI RRJ-95

After Landing Gear Gravity Extension is it possible to restore normal Landing Gear operation ?

- A. In flight only if the Hydraulic Systems HS1 or HS3 are available.
- B. Both in flight and on the ground if Hydraulic Systems HS1 or HS3 are available.
- C. Not in any case.

11

SUKHOI RRJ-95

The Hyd Systems HS1 and HS3 pressurize the brakes Systems.

- A. True
- B. False

12

SUKHOI RRJ-95

If you extend the Landing Gear by gravity extension, the gear doors:

- A. Remain in open position.
- B. They always close.
- C. They close only after selecting L/G lever down if the Hydraulic Systems HS1 or HS3 are operative.

10 = A -----

11 = A

12 = A

	RRJ 95 QUESTIONNAIRE LANDING GEAR	32
--	--	-----------

13	SUKHOI SJ100	
<p>If the parking brake is activated and no HS1 or HS3 Hydraulic Systems supply pressure and no brakes accumulator pressure is available, the normal braking system....</p> <p>A. ...can be applied via the brake pedals.</p> <p>B.can be recovered only after releasing the parking brake.</p> <p>C.is not available.</p>		

14	SUKHOI SJ100	
<p>When both Handwheels are operated simultaneously, the order signals...</p> <p>A. ...from the first Pilot acting have priority.</p> <p>B. ...coming from the Captain have priority.</p> <p>C. ...are algebraically added.</p>		

15	SUKHOI SJ100	
<p>L/G position is indicated:</p> <p>A. On the Landing Gear Indicator Panel, on EWD and by a visual indicator on each wing.</p> <p>B. On the Landing Gear Indicator Panel, on EWD and on Overhead Panel.</p> <p>C. On the Landing Gear Indicator Panel and on EWD.</p>		

13 = A	14 = C	15 = C
--------	--------	--------

16

SUKHOI RRJ-95

The brakes are actuated by two independent systems, pressurized by the:

- A. HS1 and HS2 Hydraulic systems.
- B. HS1 and HS3 Hydraulic systems.
- C. HS2 and HS3 Hydraulic systems.

17

SUKHOI RRJ 95

Why is the Nose Wheel Steering inoperative after gravity extension?

- A. Because no hydraulic pressure is available for N/W Steering.
- B. Because the gear lever is not Down.
- C. Because the gear lever is not any more powered.

18

SUKHOI RRJ 95

Brake temperature is displayed on:

- A. The PFD.
- B. The MFD F/CTL- Brakes page.
- C. The EWD.

16 = B

17 = A

18 = B

19

SUKHOI RRJ 95

Which are the limits of Nose Wheel Steering ?

- A. +/- 7° using rudder pedals, +/- 65° using steering control handwheel.
- B. +/- 10° using rudder pedals, +/- 50° using steering control handwheel
- C. +/- 2° using rudder pedals, +/- 20° using steering control handwheel.

20

SUKHOI RRJ 95

The N/W Steering toggle switch is located:

- A. On the NLG leg.
- B. On the AutoBrake control panel.
- C. On the external AC Power receptacle.

21

SUKHOI RRJ 95


Is Nose wheel Steering available after manual gear extension?

- A. Yes
- B. No

19 = A

20 = B

21 = B

	RRJ 95 QUESTIONNAIRE LIGHTS	33
---	---------------------------------------	-----------

1	SUKHOI RRJ-95	
----------	---------------	--

When the EMER EXIT LT selector is in ARM position, cabin Emergency Lights and EXIT signs automatically come on when....

A. ...AC Busses fail.

B.AC and DC Essential Busses fail.

C.L and R DC Busses fail.

2	SUKHOI RRJ-95	
----------	---------------	--

The Emergency Lighting system....

A.can be switched ON from the Purser panel, independently from Cockpit controls.

B.can be switched ON from the Purser panel but is dependent of the Cockpit control.

3	SUKHOI RRJ-95	
----------	---------------	--


NOSE LANDING Lights and TAXI Lights, in TO; after take off you forget to switch these lights off. What happens ?

A. LANDING Lights and TAXI lights extinguish automatically when the Landing Gear is retracted.

B. LANDING Lights extinguish automatically, TAXI Lights remain on during the whole flight.

C. Both Lights switches are magnetically held and return automatically to OFF when the aircraft is airborne.

1 = B	2 = B	3 = A
-------	-------	-------

	RRJ 95 QUESTIONNAIRE LIGHTS	33
--	---------------------------------------	-----------

4	SUKHOI RRJ-95	
<p>RWY TURN OFF lights on in T.O., you forget to switch these lights off. What happens ?</p> <p>A. RWY TURN OFF lights extinguish automatically when landing gear is retracted.</p> <p>B. RWY TURN OFF lights remains ON during the whole flight.</p> <p>C. RWY TURN OFF lights pushbutton is magnetically held and return automatically to OFF when aircraft is airborne.</p>		

5	SUKHOI RRJ-95	
<p>Where the logo lights are installed?</p> <p>A. In the Horizontal Stabilizer.</p> <p>B. In the leading edge of each Wing.</p> <p>C. In the top of the fuselage.</p>		

	SUKHOI RRJ-95	

4 = A	5 = A	
-------	-------	--

1	SUKHOI RRJ-95	
<p>In case of dual FMGC failure, selection of Radio Navigation Frequencies is possible with:</p> <p>A. RMP 1 only.</p> <p>B. RMP 1 and 2</p>		

2	SUKHOI RRJ-95	
<p>Tuning of VOR/DME and ILS are provided by:</p> <p>A. Automatic tuning, Manual tuning, Back up tuning.</p> <p>B. Automatic tuning, Manual tuning.</p> <p>C. Automatic tuning, Back up tuning.</p>		

3	SUKHOI RRJ-95	
<p>AIR DATA Modules (ADM) supply pressure information to the ADIRU from:</p> <p>A. All PITOT probes and STAT probes.</p> <p>B. The PITOT probes only.</p> <p>C. The STAT probes only</p>		

1 = B	2 = B	3 = A
-------	-------	-------

4

SUKHOI RRJ-95

In which EFIS modes do you get no RADAR images on the ND ?

- A. ARC mode, NAV mode.
- B. ROSE VOR ; ILS.
- C. PLAN Mode.

5

SUKHOI RRJ-95

Which information does the IRS require to compute the A/C position ?

- A. The Elevation.
- B. The Latitude and Longitude.
- C. The True heading.

6

SUKHOI RRJ-95

The IESI (Integrated Electronic Stby Indicator) normally draws current from the:

- A. BATTERIES
- B. DC ESS BUSSES.
- C. L or R DC BUSSES.

4 = C

5 = B

6 = B

7

SUKHOI RRJ-95

In normal condition the ILS for the approach runway is selected by.....

- A. ...the pilot (Manual tuning).
- B. ...FMGC (Autotuning).
- C. ...Manual tuning or the Radio Management Panel.

8

SUKHOI RRJ-95

NAV RA 2 FAULT. What happen to the radio altitude indication in F/O PFD ?

- A. The radio altitude indication disappears on F/O PFD.
- B. The radio altitude in F/O PFD will be supplied by Radio Altimeter 1.
- C. The last radio altitude value remains on PFD and starts flashing.

9

SUKHOI RRJ-95

If both cockpit LOUD SPEAKERS are switched OFF...

- A.GPWS warning will sound.
- B. ...GPWS no sound

7 = B

8 = B

9 = A

10

SUKHOI RRJ-95

The instrument IESI furnishes also Speed indication.

- A. TRUE
- B. FALSE

11

SUKHOI RRJ-95

In the event of one Radio Altimeter fault.....

- A. One PFD shows no Radio Altimeter indication.
- B. Both PFD indicate an altitude from operable Radio Altimeter.
- C. Just one PFD indicate the altitude from operable Radio Altimeter.

12

SUKHOI RRJ-95

In case of both FMS fault RPM1 and RPM2 can be used to adjust Radio Navigation facilities.

- A. Yes
- B. Yes but only RMP1
- C. No

10= A

11=B


12 = A

13	SUKHOI RRJ- 95	
<p>T2CAS Aural Message “Adjust Vertical Speed”, what does it mean?</p> <p>A. It is a request for reducing climb.</p> <p>B. It is a request for reducing descent.</p> <p>C. Both A and B are correct.</p>		

14	SUKHOI RRJ-95	
<p>Does the TRAFFIC and TERRAIN COLLISION AVOIDANCE SYSTEM (T2CAS) includes the Windshear Warning System too?</p> <p>A. No.</p> <p>B: Yes.</p>		

15	SUKHOI RRJ-95	
<p>What the Air Traffic Control (ATC system Transponder) is used for?</p> <p>A. It operates within the Air Traffic Control System and provide automatic identification.</p> <p>B. It operates within the Air Traffic Control System and provide automatic identification with an Indication of altitude.</p> <p>C. It operates within the Air Traffic Control System and provide an indication of altitude.</p>		

13 = C	14 = B	15 = B
--------	--------	--------

	RRJ 95 QUESTIONNAIRE NAVIGATION	34
---	------------------------------------	-----------

16	SUKHOI RRJ-95	
<p>Does the IESI show the Skid/Slip indication ?</p> <p>A. Yes, the lateral acceleration is presented by a sliding trapezoidal symbol located below the roll pointer.</p> <p>B. No, the lateral acceleration is not presented in IESI, however Altitude-Attitude-Airspeed-Mach indications are shown.</p>		

17	SUKHOI RRJ-95	
<p>Marker System, which of the following statement is correct?</p> <p>A. Outer Marker transmitter is located from 4 to 7 miles beyond the end of the runway.</p> <p>B. Outer Marker transmitter is located from approximately 0.6 miles from the end of the runway.</p>		

18	SUKHOI RRJ-95	
<p>T2 CAS, which is the correct Aural Message to be given when there is a need to reduce climb or descent rate?</p> <p>A. “Maintain Vertical Speed”.</p> <p>B. “Reduce Climb or Descent rate”.</p> <p>C. “Descent –Descent”.</p>		

16 = A	17 = A	18 = B
--------	--------	--------

19

SUKHOI RRJ-95

The PFD Windshear Warning W/S AHEAD is a caution (AMBER) message.

- A. True.
- B. False.

19 = A

1

SUKHOI RRJ-95

In the passenger Oxygen System, a chemical Oxygen Generator once activated delivers oxygen for:

- A. 30 minutes, if only one mask is in use.
- B. 5 minutes, if all masks are used.
- C. 13 minutes, regardless of the number of the masks used.

2

SUKHOI RRJ-95

In case of need the passenger oxygen masks will drop out:

- A. Only by actuation of a switch on the overhead panel.
- B. Automatically if the Cabin Pressure Altitude exceeds 14.000 ft or by Cabin Attendant.
- C. Automatically if the Cabin Pressure Altitude exceeds 14.000 ft or by Flight Crew action.

3

SUKHOI RRJ-95


The oxygen for the Cabin Oxygen System is.....

- A.produced by chemical generators.
- B.contained in high pressure composited cylinders.

1 = C

2 = C

3 = A


	RRJ 95 QUESTIONNAIRE OXYGEN	35
---	---------------------------------------	-----------

4	SUKHOI RRJ-95	
<p>The flight crew Smoke Hoods furnish an effective time of:</p> <p>A. 30 min.</p> <p>B. 10 min.</p> <p>C. 15 min.</p>		

5	SUKHOI RRJ-95	
<p>OXY indication on EICAS page, normally green becomes amber when.....</p> <p>A.....pressure below 400 psi, Low Oxy Press is detected.</p> <p>B. ...OXY CREW SUPPLY pushbutton is off.</p> <p>C. Both A and B are correct.</p>		

6	SUKHOI RRJ-95	
<p>Test of Oxygen masks has to be performed...</p> <p>A ...before each flight.</p> <p>B. ...before the first flight of the day..</p>		

4 = C	5 = C	6 = B
-------	-------	-------

	RRJ 95 QUESTIONNAIRE OXYGEN	35
--	--	-----------


7	SUKHOI RRJ-95	
<p>Where is the Crew Oxygen cylinder pressure displayed?</p> <p>A. In the EICAS- AIR page.</p> <p>B. In the EICAS-DOOR page.</p> <p>C. In the EICAS – ENG/APU page.</p>		

8	SUKHOI RRJ-95	
<p>Emergency Oxygen for the passengers and the cabin attendants is installed above the passengers seats and.....</p> <p>A. ...in the lavatories and in the galley working areas.</p> <p>B. ...in the lavatories, at the cabin attendants stations and in the galley working areas.</p> <p>C. ...at the cabin attendants stations and in the galley working areas.</p>		

	SUKHOI RRJ-95	

7 = B	8 = B	
-------	-------	--

1	SUKHOI RRJ95	
<p>ENGINES and APU are both running. If APU Bleed Valve is selected ON....</p> <p>A.Engines Bleed Valves close, X Bleed Valve closes , APU Bleed Valve opens.</p> <p>B.Engines Bleed Valves open, X Bleed Valve opens, APU Bleed Valve closes.</p> <p>C.Engines Bleed Valves close, X Bleed Valve opens, APU Bleed Valve opens.</p>		
2	SUKHOI RRJ95	
<p>AIR PRESSURE sources are :</p> <p>A. ENGINE 1 and 2 Bleed Systems, APU load compressor, HP ground connection.</p> <p>B. ENGINE 1 and 2 Bleed Systems.</p> <p>C. ENGINE 1 and 2 Bleed Systems or APU load compressor.</p>		
3	SUKHOI RRJ95	
<p>The Bleed Valve is</p> <p>A.pneumatically operated and electrically controlled.</p> <p>B.electrically operated.</p> <p>C.pneumatically controlled.</p>		
1 = C	2 = A	3 = A

	RRJ 95 QUESTIONNAIRE PNEUMATIC	36
--	-----------------------------------	-----------

4	SUKHOI RRJ95	
<p>The Pneumatic System consists of the following main systems:</p> <p>A. Engine Bleed Air System, APU Bleed Air System, High Pressure Ground Power Supply bleed Air System.</p> <p>B. Auxiliary Power Unit (APU), operating engine, High Pressure Ground Power Supply. engines,</p> <p>C. APU, engines.</p>		

5	SUKHOI RRJ95	
<p>ENGINES and APU are both running .If APU bleed valve is selected ON.....</p> <p>A. ... Engines Bleed valves close, X Bleed Valve closes, APU Bleed Valve opens.</p> <p>B.Engines Bleed valves open, X Bleed Valve opens, APU Bleed Valve closes.</p> <p>C.Engines Bleed Valves close, X Bleed Valve opens, APU Bleed Valve opens.</p>		

6	SUKHOI RRJ95	
<p>In case of BMC (Bleed Pressure Regulating Valves) failure....</p> <p>A.the other BMC takes over.</p> <p>B. ...pneumatic system is lost.</p>		

4 = A	5 = C	6 = A
-------	-------	-------

7	SUKHOI RRJ95	
<p>Flight with a running APU air bleed is performed at an altitude of no more than:</p> <p>A. 14400 ft..</p> <p>B. 10000 ft</p> <p>C. 8000 ft.</p>		

8	SUKHOI RRJ95	
<p>In case of engine or APU shutoff:</p> <p>A. Corresponding air bleed subsystem is automatically shutdown.</p> <p>B. Only in case of engine failure.</p> <p>C. Only using L/R AIR AUTO button on AIR panel.</p>		

9	SUKHOI RRJ95	
<p>Bleed Air from the engines is :</p> <p>A. Cooled in air to air Heat Exchanger by using cooling air bleed from the engine fan section.</p> <p>B. Not cooled prior to being used by the systems.</p> <p>C. Only cooled in air conditioning part.</p>		

7 = A	8 = A	9 = A
-------	-------	-------

10	SUKHOI RRJ-95	
<p>Pneumatic System indication is displayed on.....</p> <p>A. ...PFD</p> <p>B. ...MFD Air page.</p> <p>C. ...EWD Air page.</p>		

11	SUKHOI RRJ-95	
<p>How should be configured the Bleed air system and Air management system ,before using the ground source.</p> <p>A. Manually, pressing the L Air pushbutton switch to off position.</p> <p>B. Manually, pressing the L and R Air pushbutton switches to off position.</p> <p>C. Manually, pressing the R Air pushbutton switch to off position.</p>		

	SUKHOI RRJ-95	


10 = B	11 = B	
--------	--------	--

1	SUKHOI RRJ-95	
<p>APU manual shutdown in the cockpit may be controlled by.....</p> <p>A. APU MASTER switch pushbutton and APU FIRE pushbutton switch.</p> <p>B. APU MASTER switch pushbutton.</p> <p>C. FIRE pushbutton switch APU and APU SHUT OFF pushbutton.</p>		

2	SUKHOI RRJ-95	
<p>On ground normal APU rotation speed (N%) without Air conditioning is:</p> <p>A. 100 %</p> <p>B. Steady at 99 %</p> <p>C. Steady at 101 %</p>		

3	SUKHOI RRJ-95	
<p>APU N % indication becomes amber on EWDAPU page, when.....</p> <p>A. ...N ≥ 107 %</p> <p>B. ...N ≥ 105 %</p> <p>C. ...N ≥ 99 %</p>		

1 = A	2 = A	3 = B
-------	-------	-------


	RRJ 95 QUESTIONNAIRE APU	49
---	-----------------------------	----

4	SUKHOI RRJ-95	
<p>On ground, APU supplies:</p> <p>A. Electrical Power + Hydraulic Power.</p> <p>B. Electrical Power + Bleed Air.</p> <p>C. Electrical Power.</p>		

5	SUKHOI RRJ-95	
<p>APU Air Bleed Extraction is permitted:</p> <p>A. True</p> <p>B. False</p>		

6	SUKHOI RRJ-95	
<p>The APU in normal condition is supplied from:</p> <p>A. Left fuel feed line.</p> <p>B. Right fuel feed line.</p> <p>C. Center fuel feed line.</p>		

4 = B	5 = B	6 = A
-------	-------	-------


	RRJ 95 QUESTIONNAIRE APU	49
---	-----------------------------	----

7	SUKHOI RRJ-95	
<p>Besides the MASTER switch on the Cockpit APU panel, APU shutdown is possible by:</p> <p>A. Pushing the APU FIRE pushbutton.</p> <p>B. Pressing APU SHUT OFF pushbutton on EXTERNAL Interphone panel.</p> <p>C. Either A or B.</p>		

8	SUKHOI RRJ-95	
<p>The APU intake Flap is open..</p> <p>A. ...on ground only.</p> <p>B. ...in flight only.</p> <p>C. ...any time the APU MASTER switch is ON.</p>		

9	SUKHOI RRJ-95	
<p>Up to which altitude is the APU start ensured ?</p> <p>A. 11,277 m (37,000 ft).</p> <p>B. 9,120 m (30,000 ft).</p> <p>C. 10,000 m (32,800 ft).</p>		

7 = C	8 = C	9 = A
-------	-------	-------

	RRJ 95 QUESTIONNAIRE APU	49
--	-----------------------------	----

10	SUKHOI RRJ-95	
<p>AVAIL green light illuminates on START pushbutton switch when:</p> <p>A. External Power is disconnected.</p> <p>B. APU N reaches 99,5 % or 2 sec after N reaches 95 %.</p> <p>C. APU Electric Power is used.</p>		

11	SUKHOI RRJ-95	
<p>If an APU FIRE occurs in flight will the APU shut down automatically?</p> <p>A. Yes , APU will automatically shut down.</p> <p>B. No, APU will automatically shut down due to fire on the ground only.</p>		

12	SUKHOI RRJ-95	
<p>The APU pneumatic supply is available in flight:</p> <p>A. Without limitation.</p> <p>B. Depending on Aircraft altitude.</p> <p>C. Pneumatic supply is not available in flight.</p>		

10 = B	11 = B	12 = B
--------	--------	--------

13

SUKHOI RRJ-95

APU Bleed valve position: Which is the colour of “Bleed” symbol on Air Cond control panel when the valve is switched on and is open?

- A. White
- B. Green.

14

SUKHOI RRJ-95

Which electrical source is needed to start the APU on the ground?

- A. The batteries.
- B. The external ground power sources.
- C. Both A and B are correct.

15

SUKHOI RRJ-95

Which of the following warning messages annunciating an APU emergency situation, need immediate corrective actions by the crew?

- A. Overspeed.
- B. APU Fire.
- C. Both of them.

13 = B

14 = C

15 = C

16	SUKHOI RRJ-95	
<p>Can the APU be shut down from outside the aircraft?</p> <p>A. No</p> <p>B. Yes, using APU shutoff pushbutton on External Power panel.</p>		


16 = B		
--------	--	--

1	SUKHOI RRJ-95	
<p>If an Escape Slides fails to inflate automatically:</p> <p>A. It must be inflated by manual activation.</p> <p>B. It may be used as manually held Escape Slide.</p> <p>C. Both A & B are correct.</p>		

2	SUKHOI RRJ-95	
<p>How many Escape Ropes are in the cockpit ?</p> <p>A. 2 Escape Ropes- 1 over each window. They can be used through the left or right window.</p> <p>B. 2 Escape Ropes. Each of them must be used only through the relevant window.</p> <p>C. 3 Escape Ropes for the 2 cockpit crew members, the extra one is for the observer.</p>		

3	SUKHOI RRJ-95	
<p>How are the FWD and AFT Cargo Doors operated ?</p> <p>A. All Cargo Doors are Hydraulically operated.</p> <p>B. All Cargo Doors are manually operated.</p>		

1 = C	2 = A	3 = B
-------	-------	-------


	RRJ 95 QUESTIONNAIRE DOORS	52
---	---------------------------------------	-----------

4	SUKHOI RRJ-95	
<p>Cargo Doors, how You make sure that door is closed and locked?</p> <p>A. All four visual indicators are green.</p> <p>B. Two of the four visual indicators are white and two green.</p> <p>C. All four visual indicators are white.</p>		

5	SUKHOI RRJ-95	
<p>If you open from the outside a door with slide armed:</p> <p>A. Slide will disarm and door will open.</p> <p>B. Door will open and slide will inflate.</p>		

6	SUKHOI RRJ-95	
<p>How many cabin entrance, overwing emergency exits and cargo doors are on Sukhoi RRJ-95 ?</p> <p>A. Four cabin, two overwing and two cargo.</p> <p>B. Four cabin, four overwing and two cargo.</p> <p>C. Four cabin.</p>		

4 = A	5 = A	6 = C
--------------	--------------	--------------


	RRJ 95 QUESTIONNAIRE DOORS	52
---	--------------------------------------	-----------

7	SUKHOI RRJ-95	
<p>Door switch selected on Synoptic Page Control Panel, one FWD door is shown amber on Engine Warning Display, what does it mean ?</p> <p>A. One FWD door is open.</p> <p>B. One FWD door is unlocked.</p> <p>C. Both A and B are correct.</p>		

8	SUKHOI RRJ-95	
<p>Where can be selected the “Doors” Synoptic page?</p> <p>A. On MFD selecting Door button on EICAS Control Panel (ECP).</p> <p>B. On EWD selecting DOOR button on ECP.</p> <p>C. On both display simultaneously.</p>		

9	SUKHOI RRJ-95	
<p>The Door warning system monitors:</p> <p>A. All passengers cabin doors.</p> <p>B. The landing gear doors.</p> <p>C. The Apu service door.</p>		

7 = C	8 = B	9 = A
-------	-------	-------

	RRJ 95 QUESTIONNAIRE POWER PLANT	70
---	--	-----------

1	SUKHOI SJ100	
<p>On ground, the start sequence is automatically aborted.....</p> <p>A.only in case of Hot Start or Hung Start.</p> <p>B.only in case of no Light up.</p> <p>C.in case of Hot Start, Hung Start, Stall or no Light up.</p>		

2	SUKHOI SJ100	
<p>What is the ENGINE EGT LIMIT at starting ?</p> <p>A. 890° C</p> <p>B. 790° C</p> <p>C. 725° C</p>		

3	SUKHOI SJ100	
<p>The FADEC is electrically supplied by:</p> <p>A. The Aircraft Electrical System only.</p> <p>B. Batteries if the electrical Power fails.</p> <p>C. The Aircraft Electrical System below 15% N2 and self powered above 15% N2.</p>		

1 = C	2 = C	3 = C
-------	-------	-------

4

SUKHOI SJ100

What is the minimum starting Oil temperature ?

- A. - 40° C
- B. - 10° C
- C. - 0° C

5

SUKHOI SJ100

The engines are in the manual mode provided the autothrust function is....

- A.not armed.
- B.armed and not active.
- C. Both A and B are correct.

6

SUKHOI SJ100


How are managed the engine N1 and N2 overspeed during all engine operation ?

- A. FADEC will take care of it.
- B. By the throttle position.

4 = A

5 = C

6 = A


	RRJ 95 QUESTIONNAIRE POWER PLANT	70
---	--	-----------

7	SUKHOI SJ100	
<p>What is the maximum N2 ?</p> <p>A. 110 %</p> <p>B. 102 %</p> <p>C. 100 %</p>		

8	SUKHOI SJ100	
<p>Is the engine still supplied in case of Fuel Filter Clog ?</p> <p>A. Yes. By using the fuel coming from the IDG cooling tank line.</p> <p>B. Yes. By bypassing the Fuel Filter (ByPass valve).</p> <p>C. No, the engine stops.</p>		

9	SUKHOI SJ100	
<p>Thrust reverser are actuated by:</p> <p>A. Hydraulic Actuators of HS1 for LH Thrust Reverser.</p> <p>B. Hydraulic Actuators of HS3 for RH Thrust Reverser.</p> <p>C. Both A and B are correct.</p>		

7 = A	8 = B	9 = C
-------	-------	-------


	RRJ 95 QUESTIONNAIRE POWER PLANT	70
---	---	-----------

10	SUKHOI SJ100	
<p>The Oil is cooled by....</p> <p>A.the Engine Fuel/Oil Heat exchanger</p> <p>B. ... the oil recirculation.</p> <p>C.the Air/Oil Heat exchanger.</p>		

11	SUKHOI SJ100	
<p>REV appears in green on the N1 indicator when:</p> <p>A. The Thrust Levers are set to Full Reverse Sector.</p> <p>B. The Reverse Door are fully deployed.</p> <p>C. The Thrust Levers position is in the IDLE Reverse Sector.</p>		

12	SUKHOI SJ100	
<p>Each of the two SaM146 engine on SUKHOI SJI 100 produce a maximum takeoff thrust at sea level of :</p> <p>A. 27.000 pounds.</p> <p>B. 15.400 pounds.</p> <p>C. 33.000 pounds.</p>		

10 = A	11 = B	12 = B
--------	--------	--------


	RRJ 95 QUESTIONNAIRE POWER PLANT	70
--	--	-----------

13	SUKHOI SJ100	
<p>In case of ENG 1 FADEC FAULT.....</p> <p>A.the engine continues to run.</p> <p>B.the engine shuts down.</p> <p>C. ...only indications on EWD are lost.</p>		

14	SUKHOI SJ100	
<p>After an unsuccessful restart attempt in flight, a waiting period of 30 seconds must be observed prior a new attempt :</p> <p>A. So that batteries can be recharged.</p> <p>B. The FADEC needs time to cool off.</p> <p>C. To allow ventilation of combustion chamber.</p>		

15	SUKHOI SJ100	
<p>After setting takeoff thrust the EICAS System Display shows....</p> <p>A.the WHEEL page until GEAR UP.</p> <p>B.the F/CTL page.</p> <p>C.the ENG page.</p>		

13 = A	14 = C	15 = C
--------	--------	--------

	RRJ 95 QUESTIONNAIRE POWER PLANT	70
---	--	-----------

16	SUKHOI RRJ-95	
<p>The Fuel distribution system.....</p> <p>A.cools down the Engine oil.</p> <p>B.cools down the Engine oil and the Integrated Drive Generator (IDG) oil.</p> <p>C.cools down the Integrated Drive Generator oil.</p>		

17	SUKHOI RRJ-95	
<p>N1 indication is displayed on :</p> <p>A. the EWD.</p> <p>B. the MFD ENG/APU page.</p> <p>C. The PFD.</p>		

18	SUKHOI RRJ-95	
<p>The Digital Engine Control Unit (DECU) is supplied with electrical power by</p> <p>A. ...the aircraft electrical system.</p> <p>B. ...the associated engine Permanent Magnet Alternator PMA.</p> <p>C. ...the associated engine Integrated Drive Generator (IDG) directly.</p>		

16 = B	17 = A	18 = B
--------	--------	--------