

1	Fill the	gaps in	the	sentences	using	the	words	in	the	box	-
---	----------	---------	-----	-----------	-------	-----	-------	----	-----	-----	---

	marks	

• • • • •		fire life liquid safety oxygen seat breathing
1		must have an up-to-date service log.
2	In the event of a loss of pressure	e, masks will drop automatically.
3	jackets are stored	d under the seat.
4	If an aircraft does not pass a	inspection, it will not be allowed to fly.
5	OBIGGS removes nitrogen from	n the tanks.
6	crews need easy	access to fuel tanks.
7	Emergency valves serve hydraul	ic lines to the gear and flaps.
8	OBIGGS burns oxygen-rich fuel	vapours by mixing them with nitrogen.
9	If there is smoke in the cabin, th	ne crew have to use equipment.
10	Passengers must fasten	belts during take-off and landing.
2 Ma	tch the adjectives to their defi	initions. 10 marks
	tch the adjectives to their defi	a able to bend easily
1	•	
1 2	reliable	a able to bend easily
1 2	reliable mandatory	a able to bend easilyb outside
1 2 3	reliable mandatory prohibited	 a able to bend easily b outside c good in a particular situation
1 2 3 4	reliable mandatory prohibited suitable	 a able to bend easily b outside c good in a particular situation d does not always work well
1 2 3 4 5	reliable mandatory prohibited suitable unreliable	 a able to bend easily b outside c good in a particular situation d does not always work well e must not be done
1 2 3 4 5	reliable mandatory prohibited suitable unreliable unsuitable	 a able to bend easily b outside c good in a particular situation d does not always work well e must not be done f always works well
1 2 3 4 5 6	reliable mandatory prohibited suitable unreliable unsuitable internal	 a able to bend easily b outside c good in a particular situation d does not always work well e must not be done f always works well g able to burn easily

Take-off Unit 7 TEST 1

3 Complete these sentences about emergency ejection with a suitable phrase from the list. Write the letter of the correct phrase in the space.



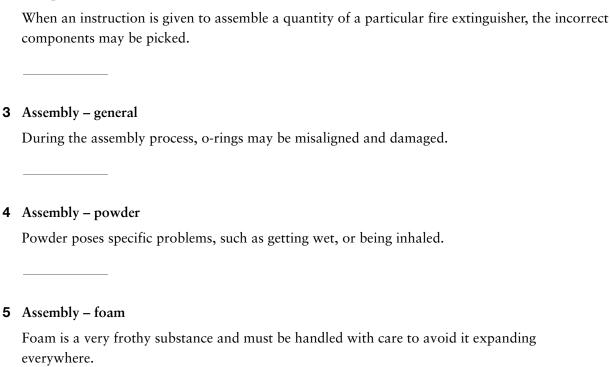
1	Modern ejector seats can operate safely
2	The ejection seat weighs depending on the equipment fitted.
3	When a pilot ejects, he experiences
4	The initial ejection sequence takes place in
5	The pilot is accelerated out of the plane from
6	He reaches this speed in
7	ignition, the rocket motor stops burning.
8	While being propelled by the ejection seat, a 65 kg man has
9	, a small parachute stabilizes the seat.
10	The main parachute doesn't open until the pilot is
а	
	45 seconds after
b	45 seconds after less than one second
b c	
	less than one second
С	less than one second under 0.25 seconds
c d	less than one second under 0.25 seconds about 90 kg
c d e	less than one second under 0.25 seconds about 90 kg One second after ejection
c d e f	less than one second under 0.25 seconds about 90 kg One second after ejection a force of 30 g

j an equivalent weight of 2,000 kg

Take-off Unit 7 TEST 2

•	switch on wash grip check put on keep oil mix touch fasten
1	Do not or clean moving machinery.
2	ear protectors before you this machine.
3	This water is very hot. Always it with some cold.
4	When lifting a heavy box, it firmly and it close to the body.
5	Never electrical equipment with wet hands.
6	that electrical equipment is switched off before starting maintenance work.
7	Always your hands thoroughly.
8	your seat belt when you get into the aircraft.
ve Ex	cample: manual/modified/pilots/report/no further problems we manual was modified and the pilots reported no further problems.
ve Ex Th	cample: manual/modified/pilots/report/no further problems the manual was modified and the pilots reported no further problems. aircraft/inspect/and/crew/find/several problems crew/report/problem/and/tyre/replace
ve Ex Th	cample: manual/modified/pilots/report/no further problems the manual was modified and the pilots reported no further problems. aircraft/inspect/and/crew/find/several problems crew/report/problem/and/tyre/replace they/consult/manual/before/equipment/test
1 2 3	cample: manual/modified/pilots/report/no further problems the manual was modified and the pilots reported no further problems. aircraft/inspect/and/crew/find/several problems crew/report/problem/and/tyre/replace they/consult/manual/before/equipment/test valve/block/so/technicians/clean/it
1 2 3 4 5 Th Re	cample: manual/modified/pilots/report/no further problems the manual was modified and the pilots reported no further problems. aircraft/inspect/and/crew/find/several problems crew/report/problem/and/tyre/replace they/consult/manual/before/equipment/test valve/block/so/technicians/clean/it
1 2 3 4 5 Th Re	cample: manual/modified/pilots/report/no further problems the manual was modified and the pilots reported no further problems. aircraft/inspect/and/crew/find/several problems crew/report/problem/and/tyre/replace they/consult/manual/before/equipment/test valve/block/so/technicians/clean/it aircraft/refuel/before/it/take-off the information below comes from a fire extinguisher manufacturing manual. and the texts carefully and match the paragraphs in the box to the correct ection. There is one more than you need.

2 Components selection



- **a** When filling a cylinder, the water must always be put in first and the chemical concentrate added later, just prior to sealing.
- **b** Filling must be done out during dry conditions. The bags should be opened at the last minute and used as quickly as possible. The operator must wear suitable protection during the filling of the cylinders. The cylinder o-ring sealing area and the sealing thread must be brushed and thoroughly cleaned prior to valving. The operator must clean his hands prior to sub-assembling o-rings.
- **c** Correct and appropriate training for fork lift truck operators and assembly personnel must be ensured.
- **d** These must be handled carefully so as not to scuff or cut the surface. They should also be kept clean, and prior to sub-assembly, their location recess should be checked for cleanliness. The cylinder o-ring recess should be checked for cleanliness and surface finish prior to greasing. Some grease should also be put in the thread to ease screwing.
- **e** The extinguishers must be connected to the gas supply using the approved connector. The gas supply must be suitably controllable, so that the pressure inside the extinguisher increases gradually and can be stopped when the correct point is reached.
- **f** Ensure appropriate operator training, using the Extinguisher Parts List (QAS 54) and consultation with the Storeman. Refer to ESR 2.8 of the Technical File.

(Adapted from http://myweb.tiscali.co.uk/ecsmidlands/Operating%20Instructions.pdf)

Take-off Unit 7 TEST 4