



**EAST AFRICAN SCHOOL OF AVIATION
EXAMINATIONS**

FINAL EXAM

SAFETY SECTION

SUBJECT: OPERATION CONTROL PROCEDURES

Stream: Flight Dispatch 25

Duration: 2Hrs

DATE: 16/05/17

TIME: 2.00 – 4.00PM

Instructions to Candidate:

- 1. This paper consists of **SIX (6)** pages*
- 2. Answer **ALL** in **Section A** and **B***
- 3. Examination rules and regulations should be adhered to.*
- 4. Maximum marks are indicated on each question*

STUDENT'S NAME:

STUDENT'S NUMBER:

- 1. The authorization for the transport of hazardous materials is specified in the?**
 - A.insurance certificate
 - b.air operator certificate
 - c.registration certificate
 - d.certificate of airworthiness
- 2. Which one of the following magnitudes will be the first to change its value when penetrating a wind shear?**
 - A.pitch angle
 - b.vertical speed
 - c. indicated airspeed
 - d.ground speed
- 3. The master minimum equipment (MMEL) list is established by:**
 - a.aircraft manufacturer
 - b.aircraft operator
 - c.respective civil aviation authority
 - d.ICAO secretariat
- 4. Flight crew members on the flight deck shall keep their safety belt fastened:**
 - a. from takeoff to landing
 - b.while at their station
 - c.only during takeoff and landing
 - d.only during takeoff and landing and whenever necessary by the commander in the interests of safety.
- 5. For the purpose of ICAO wake turbulence separation, what is the minimum radar separation time when a light aircraft is following a heavy aircraft?**
 - a.1 minute
 - b.2 minutes
 - c.5 minutes
 - d.3 minutes
- 6. The M.E.L (minimum equipment list)is drawn up by?**
 - a.the aircraft state of registry
 - b.the operator
 - c.the manufacturer
 - d.the manufacturers list
- 7. The standard and recommended practices are based on?**
 - a.federal aviation requirements(FAR)
 - b. JAA guildlines
 - c.ICAO annex 6

d.the air transport rules

8. An aircraft weighs 121 tonnes.What is its wake turbulence category?

- a.medim to light
- b.medium
- c.light
- d.heavy

9.A category one precision approach (CAT1)has:

- a.a decision height equal to at least 50ft
- b.a decision equal to at least 100ft
- c.no decision height
- d.a decision height equal to at least 200ft

10. The minimum equipment list of a public transport airplane is related in the ?

- a.flight record
- b.operations manual
- c.JAR ops
- d. flight manual

11. An operator must ensure that for the duration of each flight, be kept on the ground, when required:

- a. a copy of calculated take off performances
- b.the calculation of airborne fuel quantity
- c.the aircraft logbook
- d.a copy of weight and balance sheet

12. For the aircraft certified before the 1 April 1998, cockpit voice recorder must keep the conversations and sound alarms recorded during the last:

- a.30 minutes of operation
- b.25 hours of operation
- c.flight
- d.48 hours of operation

13. Aircraft are categorized according to their threshold speeds, multiplied by a factor. What aircraft category corresponds to a range of speeds 121-140 kts?

- a.B
- b.E
- c.D
- d.C

**14. The aircraft stalling speed in landing configuration is multiplied by-----
----- factor to obtain aero plane category:**

- a.1.25

- b.1.5
- c.1.3
- d.1.15

15. From the flight deck you observe an aero plane in the forward left position, on an opposite parallel track. What NAV Alight will be observed?

- a.red
- b.green
- c.white
- d.all of the above

16. One of the following is not true;

- a.All aeroplanes are equipped with altimeter
- b.Vertical speed indicator shows the rate of climb and descent
- c.Heading indicator is a pressure flight instrument
- d.Heading indicator a gyroscopic flight instrument

17. In the performance of operations control duties,a flight operation officer will not;

- a.Divert flights
- b.Terminate flights
- c.Liase with other key operational area
- d.enter into aircraft lease agreement

18.A safety management system is established by;

- a.operator
- b.state
- c.manufacturer
- d. consigner

19. One is not a requirement for a VFR;

- a.One altimeter
- b. compass
- c.vertical speed indicator
- d.two altimeters

20.One is situated furthest from a Runway ;

- a.Runway centerline lights
- b.Runway edge light
- c.touchdown zone lighting
- d.PAPI lights

PART B

1. List factors to consider in the determination of minimum flight altitudes?
(5mks)
2. When would an incoming operator fail to secure an air operator certificate?
(3mks)
3. List performance and meteorological factors that are normally considered during the selection of alternate aerodromes? (3mks)
4. Discuss Passengers with reduced mobility (PRMS).(4mks)
5. Operations manual; Identify parts of an operations manual? (4mks)
6. Match runway visual range and corresponding decision height to the following ;(6mks)
 - a-CAT 1 operations
 - b.CATII operations.
 - c.CATIIC operations
7. Indicate the number of handheld extinguishers to be carried on board a flight with ;(8mks)

Maximum approved passenger seating configuration	No. of extinguishers
7-30	
31-60	
61-200	
201-300	
301-400	
401-500	
501-600	
601 or more	

- 8. Describe information and documentation that is retained on the ground for each flight (6mks)?**
- 9. Name the ICAO annex responsible for operation of aircraft? (2mks)**
- 10. Who is responsible for licensing aerodromes? (2mks)**
- 11. List down contents of the AOC. (3mks)**
- 12. A member of crew shall stand disqualified for deployment? (4mks)**