

**EAST AFRICAN SCHOOL OF AVIATION**

**RESIT/SPECIAL EXAMINATIONS**

**COURSE CODE: FLD 32 & 33**

**COURSE TITLE: AIR TRAFFIC MANAGEMENT**

**MAXIMUM TIME ALLOWED: 3 HOURS**

**INSTRUCTIONS:**

ANSWER ALL QUESTIONS

**SECTION A: 45 MARKS**

**Que 1**

- a) In Kenya state the conditions under which flights under VFR are not permitted  
(6 marks)**
  
- b) Explain any four rules applicable to IFR flights within controlled airspace  
(8 Marks)**

**Que 2:**

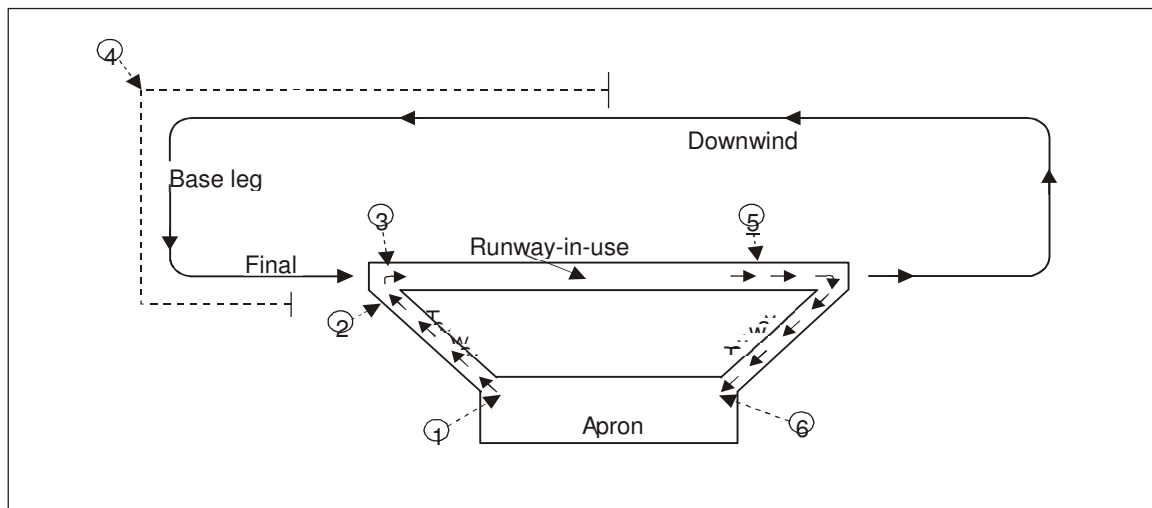
**Define the following:**

- a) Altitude**
- b) Flight information region**
- c) Terminal Control Area**

**(6 marks)**

**Que 3:**

**With reference to the diagram below describe the relevance of the positions marked 1-6 to the aerodrome control**



**(6 marks)**

**Que 4:**

**a) Define the following classes of ATS airspaces**

- i) Class B**
- ii) Class C**
- iii) Class F**

*(9 marks)*

**b) Name the five control zones in the Nairobi FIR**

*(10 marks)*

**SECTION B: 25 MARKS**

**1. Who provides assurance between the collision of aircraft with another aircraft or terrain?**

- a) Air Traffic Control Unit**
- b) Pilot**
- c) Aircraft Collision Avoidance System**
- d) Autopilot**

**2. Air Traffic Control Service also aids in search and rescue.**

- a) True**
- b) False**

**3. UB212 is a Regional ATS route and not Area Navigation Route**

- a) True**
- b) False**

**4. Which of the following ensures standardization of ATS worldwide?**

- a) KCAA**
- b) ICAO**
- c) IATA**
- d) KAA**

**5. UV407 is a Regional ATS route which is not regional and not Area Navigation Route**

- a) True
- b) False

**6. Who are not required to contact an Air Traffic Control Service Unit for separation?**

- a) Aircraft under VFR
- b) Aircraft under Special VFR
- d) Aircraft under IFR

**7. The aircraft whose attitude reference is solely based on the natural horizon follow**

- 
- a) VFR
  - b) IFR
  - c) Pilot
  - d) KCAA commands

**8. UT432 is an ATS route which is not regional and an Area Navigation Route**

- a) True
- b) False

**9. Who is responsible for the separation of an aircraft from other aircraft in a controlled airspace?**

- a) Air Traffic Control Unit
- b) Pilot
- c) Co-pilot
- d) Navigator

**10. What is the minimum visibility when flying below 10,000ft and following VFR?**

- a) 1KM
- b) 8KM
- c) 5KM
- d) 1.5KM

**11. What altitude does FL540 correspond to?**

- a) 54,000ft**
- b) 5.4 ft**
- c) 54 ft**
- d) 5400 ft**

**12. Which one of the following is not an objective of Air Traffic Services prevent collisions between aircraft on the manoeuvring area and obstructions on that area;**

- a) expedite and maintain an orderly flow of air traffic;**
- b) provide advice and information useful for the safe and efficient conduct of flights;**
- c) To provide Rescues and Fire Fighting Services to Aerodrome traffic**

**13. Which of the following cannot be measured in primary radar?**

- a) Height of the aircraft**
- b) Speed of the aircraft**
- c) Direction of the aircraft**
- d) Position of the aircraft**

**14. IFR & VFR flights only are permitted in class A airspace.**

- a) True**
- b) False**

**15. What type of flying is known as Normal Aviation Practice?**

- a) Flights over cities, towns and settlements at a height of less than 1000 feet when it is undertaken on the Final Approach to Land or the Initial Take-off Flight Path**
- b) Flying for the purpose of checking navigational aids or procedures**
- c) Flying in such a manner as may be necessary for the purpose of saving lives**
- d) Flights over high terrain or mountainous areas**

**16. What is the full form of RADAR?**

- a) Radio and ranging**
- b) Radio range**
- c) Range detection radio**
- d) Radio Detection and Ranging**

**17. When two aircraft are approaching head-on or approximately so and there is danger of collision \_\_\_\_\_**

- a) each shall alter its heading to the right.**
- b) each shall alter its heading to the left.**
- c) each shall give way to the other**
- d) each shall pass over, under or in front of the other**

**18. A clearance limit shall be specified by the name of the Air Traffic Control Unit providing the clearance.**

- a) True**
- b) False**

**19. Which of the following is not a rule applicable for IFR inside a controlled airspace**

- a) The pilot of the aircraft must be the holder of a license which includes an instrument rating;**
- b) The aircraft must not be equipped with suitable instruments for the purpose of navigation as required for the airspace concerned**
- c) The pilot must be familiar with the notified procedures for the airspace in which he intends to fly**
- d) The pilot must report the aircraft's position as required**

**20. Which of the following is not a section of an air report**

- a) Air Traffic Control clearance**
- b) Meteorological information**
- c) Operating information**
- d) Position report**

**21. An upper Flight Information Region may be established above a lower Flight Information Region if found necessary.**

- a) True**
- b) False**

**22. A method of navigation which permits aircraft operation on any desired flight path within the coverage of station-referenced navigation aids or within the limits of the capability of self contained aids, or a combination of these is called\_\_\_\_\_**

- a) Flight Navigation**
- b) VFR Navigation**
- c) Area Navigation (RNAV)**
- d) IFR Navigation**

**23. Danger, Restricted and Prohibited areas may be activated and deactivated by a NOTAM.**

- a) False**
- b) True**

**24. All airspace over the Indian Ocean under Nairobi FIR is uncontrolled airspace.**

- a) True**
- b) False**

**25. Which of the following conditions does not lead to missed approaches?**

- a) Poor visibility**
- b) Excess fuel**
- c) Alignment with runway**
- d) Traffic**