

DIPLOMA IN FLIGHT OPERATIONS/DISPATCH

FLIGHT MONITORING

FINAL EXAM

DURATION - 2 HOURS

INSTRUCTION – Attempt ALL Questions

Question 1

- a) Define the following terms as used in Flight Operations:
- i) Aircraft Tracking
 - ii) Block Time
 - iii) SMS
- 6 Marks**
- b) Why should an Air Operator Certificate (AOC) holder conduct Flight Monitoring? **6 Marks**
- c) Regulations require an operator or service provider to have an Operations Manual. Describe any three relevant parts of an Operations Manual during Flight Monitoring. **6 Marks**
- d) Describe any two challenges that a Flight Operations Officer may face in his/her Flight Monitoring duties. **4 Marks**
- e) Is it always possible to achieve all the flight planning objectives? Why? **4 Marks**
- f) Are crew obligated to accept ATC re-routes? Explain your answer. **4 Marks**

Question 2

- a) The weather at the destination has become marginal before departure. What action would you take as a FD? **2 Marks**
- b) The scheduled time of departure and arrival of Flight AA001 is 0035Z and 0425Z respectively. What is:
- i) The duration of this flight? **2 Marks**
 - ii) The Estimated Time of Arrival of the flight if there is a delay of 1 hour 41 minutes at the airport of departure and the estimated trip time is 3 hours and 41 minutes? **2 Marks**
 - iii) Given the scenario in (ii) above, what is the actual delay at the destination if the actual trip time is equal to the estimated trip time? **2 Marks**

- c) Effective Flight Monitoring relies on availability of a number of resources. Describe any four. **8 Marks**
- d) State any two factors that a FOO/FD needs to consider when selecting the route to be flown and why? **4 Marks**

Question 3

- a) Describe any two human factors issues that may affect Flight Monitoring duties of an FOO. **4 Marks**
- b) What do you understand by the following terms as used in Air Traffic Services
- i) Uncertainty phase **2 Marks**
 - ii) Alert Phase **2 Marks**
 - iii) Distress Phase **2 Marks**
- c) Describe any three components of a Safety Management System **6 Marks**
- d) Describe any two actions you would take to improve the payload on a flight. **4 Marks**