



**EAST AFRICAN SCHOOL OF AVIATION**  
**FINAL EXAMINATION**

**SUBJECT: AIRSIDE SAFETY**

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**Duration: 2 HRS**

DATE \_\_\_\_\_

TIME: \_\_\_\_\_

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**INSTRUCTIONS TO ALL CANDIDATES**

1. Answer all questions.

- 1) One of the following is not among the hidden costs to the airlines that are as a result of accidents and incidents on the ramp.
- A. Economic loss to the injured personnel
  - B. damage to tools
  - C. damage to passenger accommodation
  - D. Cost of recruiting and training new personnel
- 2) The Aviation Industry, and in many cases, the \_\_\_\_\_ REGULATE safety and a fully functional SMS.
- A. ICAO
  - B. State
  - C. IATA
  - D. Both A AND C
- 3) Accidents which occur on the ramp are grouped under ALL but one of the following.
- A. Accidents to passengers
  - B. Accidents to personnel
  - C. Damage to aircraft
  - D. Damage to cabin crew
- 4) One of the following is among the causes of Ramp accidents.
- A. Character
  - B. speed
  - C. The other person
  - D. Delight
- 5) \_\_\_\_\_ is an organized approach to managing safety
- A. SMS
  - B. SeMS
  - C. Aviation security
  - D. BOTH a and B
- 6) A \_\_\_\_\_ refers to an object or situation that may cause harm or damage
- A. Risk
  - B. Hazard
  - C. Danger
  - D. Both B and C
- 7) \_\_\_\_\_ applies to both the to both the harm or damage happening as well as what the eventual consequences
- 8) One of the following is not true about the Manual Handling Techniques:
- A. Assess the weight to be lifted by gently pushing it
  - B. If one is pregnant or sick, he/she should speak to the immediate supervisor
  - C. Before you lift, ensure that you do full exercise
  - D. Never twist your back
- 9) One of the following is not a procedure of lifting
- A. Plan every lift

- B. Always work at your safe speed
- C. Four people must work together if one member is a female
- D. Bend and lift at the knees

**10)** One of the following is/are considered to be personal protective equipment:

- A. High visibility vest
- B. sturdy footwear
- C. Ear defenders
- D. All of the above

**11)** One of the following is not in the checklist for the staff working at the ramp.

- A. Check the vehicle starts and runs smoothly
- B. Remove FOD
- C. Check tire pressure and wear
- D. Check the boom goes sideways

**12)** Which one of the following is not among precautions to be taken when working near an aircraft?

- A. Never approach an aircraft till the engines have been shut
- B. Always have the cabin crew open the passenger doors
- C. Beware of the open aircraft doors. Ensure the safety strap is put across the door opening.
- D. Approach a helicopter with its rotors turning on foot

**13)** No GSE may be moved towards the aircraft until:

- A. Aircraft has come to a complete stop
- B. Aircraft engines have been switched off and are not spooling
- C. Anti-collision lights are switched off
- D. The wheels are chocked

**14)** One of the following is not among the safety procedures to be followed when passengers are on board during the refueling process of an aircraft.

- A. Crew must be informed when refueling is to be done
- B. All passengers to exits to be kept clear
- C. the bottom area of passenger steps to be kept clear
- D. No steps/airbridge on both the forward and the rear passenger doors

**15)** The danger area of a B737 extends approximately \_\_\_\_\_ feet behind the aircraft.

- |        |        |
|--------|--------|
| A. 400 | C. 300 |
| B. 250 | D. 600 |

**16)** Pilferage is theft of only some contents of a checked bag or baggage

- |         |          |
|---------|----------|
| A. True | B. False |
|---------|----------|

- 17)** What can be used during pre-operational checks to ensure that the operator assesses all areas of the GSE?
- A. Disciplinary action
  - B. A buddy system
  - C. A checklist
  - D. PPE
- 18)** In which of the following cases should ramp personnel ensure each dolly or baggage trail is disconnected and held by its own individual break?
- A. High winds
  - B. Low visibility
  - C. Ground Icing
  - D. Lightning
- A. One of the following is not among the safety precautions when working around the aircraft.
- A. If you have not been trained, do not approach the helicopter with its rotors turning
  - B. Make sure the aircraft wheels are not chocked
  - C. Safety cones must be positioned around the aircraft
  - D. Baggage Source message
- 19)** During High winds:
- A. Secure aircraft with additional chokes
  - B. Secure any load inside the aircraft
  - C. Move aircraft nearer to building
  - D. Remove all empty and loose ULD from around the aircraft
- 20)** \_\_\_\_\_ is an organization of airline managers at the airport which meets at least once a month to identify, and solve local interline baggage handling problems
- A. Local Baggage committee
  - B. Baggage handling society
  - C. AOC
  - D. Airport operations Committee
- 21)** \_\_\_\_\_ are funds provided to the passenger to cover his out-of-pocket expenses until his luggage arrives
- A. Pocket money
  - B. Interim fund
  - C. Interim expenses
  - D. Out-of-the-pocket money
- 22)** FOD stands for \_\_\_\_\_
- A. Foreign Object Damage
  - B. Front Office Debris
  - C. Forbidden damaged debris
  - D. Fallen Objects damage
- 23)** One of the following is not among the pre-operational GSE Checklist.
- A. Check lights, Indicators and anti-coalition beacon
  - B. Check window wipers
  - C. Check for any damage
  - D. Check the boom goes sideways

- 24)** Frontline operational personnel are often in the best position to \_\_\_\_\_ and \_\_\_\_\_ hazards and conditions that have the potential to lead to accidents
- A. Observe, identify
  - B. Note, understand
  - C. Notice, handle
  - D. Understand and handle
- 25)** Human failures can result in a number of unwanted consequences. They include Personal injury, aircraft damage or \_\_\_\_\_
- A. Death
  - B. Aircraft accidents
  - C. Flight Delays
  - D. Cabin crew injury
- 26)** The ultimate purpose of an airside safety investigation is to obtain all relevant information pertaining to the incident/accident so as to \_\_\_\_\_
- A. Establish the root cause
  - B. Bring the culprits to book
  - C. Provide a detailed report
  - D. Correct the errors
- 27)** An accident is \_\_\_\_\_
- A. An event that happens by chance, with a deliberate intention
  - B. An event that happens by chance, without a deliberate intention
  - C. An event that happens in life, with a deliberate intention
  - D. A criminal event that happens by chance, without a deliberate intention
- 28)** The station manager has a particular responsibility to \_\_\_\_\_ and \_\_\_\_\_ a culture of safety awareness among his staff.
- A. Discourage, empower
  - B. Encourage, build
  - C. Build, empower
  - D. Develop, encourage
- 29)** One of the following is not among the threats to airside safety
- A. People who work around the aircraft
  - B. Conditions of the pavement including runways
  - C. Broken or damaged ground facilities
  - D. Presence of debris in parking lots
- 30)** One of the following is not among the safety checklist for staff working on the ramp
- A. Check the vehicle starts and runs properly
  - B. Check window wipers
  - C. Check the boom goes up and down
  - D. Avoid using a wheel choke when positioning the GSE to the aircraft incase brakes should fail
- 31)** In case of high winds which one of the following measures should not be undertaken to safeguard the aircraft?
- A. Turn the aircraft away from the direction of wind

- B. Close all the aircraft doors and service
  - C. Move the aircraft away from buildings
  - D. Secure aircraft with additional chocks
- 32)** During safety reporting all stake holders pledge \_\_\_\_\_ and \_\_\_\_\_ to foster commitment.
- A. Discipline, Confidentiality
  - B. Confidentiality, No discipline
  - C. Security, Safety
  - D. All of the above
- 33)** Training and communication safety issues fall under which element in ICAO's Four Crucial Elements of an SMS?
- A. Safety Policies and Objectives
  - B. Risk Management
  - C. Safety Assurance
  - D. Safety Promotion
- 34)** A \_\_\_\_\_ applies to both the chance of harm or damage happening, as well as what the eventual consequence would be
- |                    |                    |
|--------------------|--------------------|
| A. Risk Management | C. Risk            |
| B. hazard          | D. Risk Assessment |
- 35)** IOSA Stands for \_\_\_\_\_:
- A. IATA Operational Safety Audit
  - B. IATA Organizational Safety Audit
  - C. ICAO Operational Safety Audit
  - D. ICAO Operational Safety Audit
- 36)** ISAGO Stands for \_\_\_\_\_:
- A. IATA's Safety Audit for Ground Operations
  - B. IATA's Safety Audit for Ground Organizations
  - C. ICAO's Safety Audit for Ground Operations
  - D. IATA's Security Audit for Ground Operations
- 37)** An \_\_\_\_\_ pool involves the sharing of auditing reports across airlines as a means to cut costs and improve safety
- A. Audit
  - B. Security
  - C. Safety Pool
  - D. Both B and C
- 38)** The main aim of IATA's safety report is to:
- A. Provide airports with incident and accident prevention strategies
  - B. Provide IATA with Security and accident prevention strategies
  - C. Provide airlines with safety management strategies

- D. Provide airlines with incident and accident prevention strategies
- 39)** There are numerous hazards that may pose a risk to employees working at the airside. Which one is not?
- A. Aircraft movements
  - B. Propeller engines and Helicopters
  - C. Jet Engines
  - D. Day Operations
- 40)** \_\_\_\_\_ of the accidents are caused by Human error.
- A. 90%
  - B. 70%
  - C. 50%
  - D. 85%
- 41)** Which one of the following is not among the common types of ramp accidents?
- A. Accidents to passengers
  - B. Accidents to personnel
  - C. Damage to aircraft
  - D. Damage to trucks
- 42)** All ramp personnel should remember all but one of the following pieces of advice. Name it
- A. Don't be a victim of someone else's carelessness
  - B. Stay alert and stay safe
  - C. Always follow the procedure (even if you agree with it or not)
  - D. Safety is as good as its weakest link
- 43)** "Haste" is one of the causes of accidents on the ramp. It means \_\_\_\_\_
- A. Hasty movements impair Concentration and Control
  - B. Hasty movements impair Results and Control
  - C. Hasty movements impair Accuracy and Control
  - D. Hasty movements impair Concentration and Focus
- 44)** One of the following is not under the airport's responsibility.
- A. Field and building maintenance
  - B. Surface conditions
  - C. Provision of signage
  - D. Air Traffic Control
- 45)** All employees working on the ramp must be made aware of all but one of the following
- A. Consequences of not following rules
  - B. Recognizing hazards
  - C. Identifying main causes of accidents
  - D. Dangerous goods classes
- 46)** One of the following is not among the personal protective equipment.
- A. High visibility vest
  - B. Sturdy footwear

- C. Ear protectors
- D. Sunglasses

**47)** Working uniforms can cause accidents and incidents on the ramp in all but one of the following ways.

- A. Rugged and torn overalls
- B. If high visibility vests are not worn in low light
- C. If they are not designed with the employee's safety and comfort
- D. Both B and C

**48)** One of the following is not among the correct lifting techniques guidelines

- A. If you are pregnant or with a condition of health, do not lift
- B. Before you lift, ensure the floor is free of any rubbish
- C. Do not twist your back
- D. Access the weight to be lifted by gently pushing it

**49)** All but one of the following are among the requirements on what to do during Lightning:

- Refrain from using your handset
- Avoid using mobile forms, radios
- Retreat from open areas or spaces under the aircraft loading or offloading explosives
- Remain inside vehicles

**50)** Human Factors errors can result from all but one of the following. Name it.

- A. Motivation and attitude
- B. Situational awareness
- C. Stress
- D. Fatigue

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