



Myfuture CBC Revision

aviation - Grade 10

Question Paper

1. Which of the following is a correct action during a fuel spill on the apron?

- A. Wash it away immediately with plenty of water
- B. Ignore it and continue operations to avoid delays
- C. Sweep it into the storm drain to speed clean-up
- D. Isolate the area, stop ignition sources and report to emergency team

2. Which of the following is an aeronautical revenue source for an airport in Kenya?

- A. Rent from retail shops inside the terminal
- B. Landing and parking fees charged to airlines
- C. Income from airport car park
- D. Revenue from airport advertising boards

3. Which Kenyan airline is the national flag carrier of Kenya?

- A. Jambojet
- B. Kenya Airways
- C. Precision Air
- D. Safarilink

4. Which activity is part of passenger facilitation services at airports?

- A. Painting airport fences
- B. Setting airline ticket prices
- C. Directing aircraft on the runway
- D. Helping passengers through check-in, security screening and immigration smoothly

5. Which of the following items is strictly prohibited in carry-on baggage because it is a security risk?

- A. A paperback novel
- B. A pair of socks
- C. A small sealed water bottle bought after security
- D. Matches or lighter with fuel

6. What does a propeller do on a light aircraft?

- A. Measure altitude
- B. Lock the landing gear in place
- C. Convert engine power into thrust to move the aircraft forward
- D. Inflate the tires

7. Which aircraft component primarily produces lift to keep the airplane in the air?

- A. Rudder
- B. Landing gear
- C. Wing
- D. Engine

8. What is the purpose of flaps on an airplane wing during landing?

- A. To improve in-flight entertainment
- B. To increase cruising speed at high altitude
- C. To lock the landing gear
- D. To increase lift and drag so landing can occur at lower speed

9. Which factor most directly affects how much revenue an airport's retail area will earn?

- A. Number of passengers passing through and how long they stay
- B. The height of the control tower
- C. The age of the aircraft using the airport
- D. The number of runways an airport has

10. Which is a key action for controllers to avoid collisions on the ground at busy airports like Jomo Kenyatta International Airport?

- A. Allowing pilots to taxi without communicating
- B. Giving multiple aircraft identical taxi instructions
- C. Turning off ground lights to save electricity
- D. Maintaining clear radio readbacks and using ground surveillance procedures

11. Which tool is best for removing material along an edge to make it fit precisely (metalworking filing)?

- A. Rivet gun
- B. Torque wrench
- C. Hand file
- D. Spray gun

12. What is the passenger service charge that passengers often pay at airports?

- A. A charge for buying food in the terminal
- B. A fee paid to the airline for extra baggage
- C. A parking fee for drivers dropping passengers
- D. A fee charged to passengers to fund airport passenger facilities and services

13. Which type of fastener allows frequent disassembly and reassembly of aircraft panels during maintenance?

- A. Structural adhesives only
- B. Solid rivets
- C. Bolts and nuts
- D. Permanent welds

14. What is the unit commonly used to measure aircraft speed?

- A. Kilometres per hour
- B. Metres per second
- C. Knots
- D. Miles per hour

15. How can offering free Wi-Fi in the terminal help airport business services?

- A. It improves passenger experience and can increase time spent in shops and use of paid
- B. It increases the number of runways available
- C. It replaces the need for concessionaires
- D. It reduces the need for security screening

16. Why are airport car parks considered an important business service?

- A. They generate significant revenue and support passengers' access to the terminal
- B. They replace retail shops for income
- C. They manage air traffic flow between flights
- D. They control runway operations

17. What does a runway holding position sign (red background with white characters) at the taxiway entry mean for a pilot?

- A. Stop and hold short of the runway until cleared by Air Traffic Control
- B. Run without lights to avoid detection
- C. Proceed to park at the nearest gate
- D. Taxi across immediately because the runway is clear

18. Which action is safest when you hear the word 'evacuate' during an aircraft emergency?

- A. Remove shoes to avoid scratching the slide
- B. Follow crew instructions quickly and leave using the nearest usable exit
- C. Go to the rear of the aircraft and wait for instructions by phone
- D. Delay leaving until you collect valuables

19. What instrument or probe is used to measure dynamic air pressure for airspeed indication?

- A. Altimeter vane
- B. Pitot tube
- C. Static port
- D. Magnetometer

20. What does a typical concession agreement between an airport and a shop operator include?

- A. A list of passengers who can enter the shop
- B. Detail on how to build new runways
- C. Rules for how pilots must park aircraft
- D. Rent, contract period, performance standards and permitted activities

21. Why is cutting oil or lubricant used when drilling metal parts on an aircraft?

- A. To increase friction so the drill bit cuts faster
- B. To glue the drill bit to the metal
- C. To make the drill bit look shiny
- D. To cool and lubricate the drill bit, reducing wear and improving hole quality

22. Which tool should you use to tighten a bolt to a specified value so the joint gets the correct clamp load?

- A. Pry bar
- B. Torque wrench
- C. Centre punch
- D. Ball peen hammer

23. Why must technicians deburr holes before installing rivets or bolts in an aircraft skin?

- A. Deburring makes holes bigger to save time
- B. To remove sharp edges that can cause cracks and ensure proper seating of fasteners
- C. To change the hole colour for inspection
- D. Deburring prevents paint from sticking

24. Which Kenyan authority is primarily responsible for regulating civil aviation safety?

- A. Kenya Wildlife Service (KWS)
- B. Kenya Civil Aviation Authority (KCAA)
- C. National Transport and Safety Authority (NTSA)
- D. Kenya Airports Authority (KAA)

25. Which Kenyan authority is responsible for regulating civil aviation?

- A. Kenya Civil Aviation Authority
- B. National Environment Management Authority
- C. Kenya Revenue Authority
- D. Kenya Power and Lighting Company

26. Why is weight and balance important before a flight?

- A. To ensure the aircraft's centre of gravity is within limits for safe control and performance
- B. To reduce the noise from engines
- C. To increase the temperature inside the cabin
- D. To make the aircraft look neat on the ground

27. Which organisation in Kenya is primarily responsible for regulating civil aviation safety and issuing licences?

- A. Kenya Civil Aviation Authority (KCAA)
- B. Kenya Wildlife Service
- C. Kenya Tourist Board
- D. Ministry of Education

28. Which fuel type is commonly used in small piston-engine light aircraft?

- A. Jet A-1
- B. Diesel fuel
- C. Kerosene used for home heating
- D. Avgas (aviation gasoline)

29. Why is a hole reamer used after drilling a hole in aircraft components?

- A. To produce a precise diameter and smooth finish for fasteners
- B. To paint the inside of the hole
- C. To thread the hole for bolts
- D. To make the hole smaller than the drill

30. Which organisation is primarily responsible for managing most airports in Kenya?

- A. Kenya Airways
- B. Kenya Revenue Authority (KRA)
- C. Nairobi County Government
- D. Kenya Airports Authority (KAA)

31. What is the role of customs in airport business services?

- A. Inspecting and clearing goods and passengers entering or leaving the country
- B. Cleaning aircraft cabins
- C. Scheduling takeoff and landing slots
- D. Running airport retail shops

32. Which sign indicates a confined space where special precautions are needed?

- A. A general 'Welcome' sign
- B. A sign warning of restricted entry, risks like low oxygen or toxic gases and requirement for
- C. A sign saying 'Free snacks inside'
- D. An open field sign

33. Which Kenyan airport is the main international gateway to the country?

- A. Moi International Airport
- B. Wilson Airport
- C. Eldoret International Airport
- D. Jomo Kenyatta International Airport (JKIA)

34. Why must bolts on critical aircraft joints be tightened to the manufacturer's specified torque?

- A. To change the bolt's colour
- B. To achieve correct clamping force and avoid loosening or fatigue failure
- C. To make the bolt easier to paint
- D. To speed up corrosion

35. Which action best demonstrates compliance with the Kenya Civil Aviation Authority (KCAA) safety reporting requirements?

- A. Timely submission of required incident/accident reports and cooperation with
- B. Never reporting anything to avoid paperwork
- C. Only telling colleagues verbally and not recording it
- D. Posting details on social media instead of formal reporting

36. What are stringers used for in aircraft construction?

- A. As landing gear shock absorbers
- B. As the main vertical stabilizer
- C. As longitudinal stiffeners along the fuselage or wing skin
- D. As fuel lines

37. Which personal protective equipment (PPE) is essential when grinding metal on aircraft parts?

- A. Sunglasses only
- B. Safety goggles, ear protection, and gloves
- C. Flip-flops and shorts
- D. No protection needed for small jobs

38. What defines a hub airport in airline and airport business terms?

- A. An airport that sells only local agricultural produce
- B. A small rural airstrip with no shops
- C. An airport where many flights are scheduled for connecting passengers, serving as a transfer
- D. An airport that serves only private flights

39. What must a pilot obtain from Air Traffic Control (ATC) before taxiing onto the runway?

- A. Explicit runway crossing or takeoff clearance from ATC
- B. A fuel receipt from the ground handler
- C. A weather report from the terminal
- D. Permission from the baggage handler

40. Which statement best distinguishes aeronautical from non-aeronautical revenue?

- A. Aeronautical revenue is money given by passengers to shopkeepers; non-aeronautical is
- B. Aeronautical revenue is earned only from food sales; non-aeronautical is earned from
- C. Aeronautical revenue comes from airline-related charges; non-aeronautical revenue
- D. Aeronautical revenue comes from car parks; non-aeronautical from passenger service

41. What is the main purpose of a black-and-white striped marking at the runway threshold?

- A. To show the runway threshold and start of usable runway
- B. To mark restricted areas for ground staff
- C. To indicate a parking area
- D. To show where to taxi to the terminal

42. Which factor most helps increase retail sales inside an airport?

- A. Shorter security waiting times only
- B. Longer passenger dwell time before flights
- C. Reducing the number of shops to one
- D. Closing the food outlets

43. What is the primary function of an aircraft's control surfaces (ailerons, elevator, rudder)?

- A. To change the aircraft's orientation (roll, pitch, yaw)
- B. To cool the engines during flight
- C. To provide extra storage space for cargo
- D. To increase fuel capacity

44. What does the term 'sterile area' in an airport mean?

- A. A secure area where no access is allowed without screening or clearance
- B. An area for cleaning aircraft interiors
- C. A laundry facility for crew uniforms
- D. A medical clinic for treating passengers

45. Which international organization sets standards and recommended practices for global civil aviation?

- A. United Nations Educational, Scientific and Cultural Organization (UNESCO)
- B. World Health Organization (WHO)
- C. International Civil Aviation Organization (ICAO)
- D. International Maritime Organization (IMO)

46. Why do airports offer lounges for passengers?

- A. To house air traffic controllers
- B. To replace immigration and customs functions
- C. To store cargo awaiting clearance
- D. To provide premium waiting areas and generate additional revenue

47. Which inspection tool is useful for checking small cracks or defects on aircraft parts during maintenance?

- A. Kitchen thermometer
- B. Rivet gun
- C. Paint roller
- D. Borescope or magnifying glass

48. Which tool is used to tighten bolts to a specified value so they are not too loose or too tight?

- A. Pliers
- B. Hammer
- C. File
- D. Torque wrench

49. How should a student report seeing a potential safety hazard at a Kenyan airport during a supervised visit?

- A. Post about it on social media immediately
- B. Try to fix it without telling anyone
- C. Ignore it because students are not responsible
- D. Tell the nearest staff member or airport operations so it can be logged and acted on

50. Why is wildlife fencing and habitat management important around Kenyan airports?

- A. To reduce the number of animals that can cause bird and wildlife strikes with aircraft
- B. To provide shade for parked vehicles
- C. To keep tourists from entering airport property
- D. To increase local biodiversity near runways

