

# **PRE AREA SOLO PRACTICE EXAM**

## **Question 1:**

Angular movement about the longitudinal axis of an aeroplane is called:

- ☐ rolling
- ☐ yawing
- ☐ pitching
- ☐ turning

## **Question 2:**

When flying at  $V_a$ , an increase in airspeed, will cause Lift and Drag to:

- ☐ lift increase, drag decrease
- ☐ lift decrease, drag decrease
- ☐ lift decrease, drag increase
- ☐ lift increase, drag increase

## **Question 3:**

An aeroplane has a fixed-pitched propeller and a float-type carburettor. The first indication of a carburettor icing may be:

- ☐ a drop in oil temperature
- ☐ a drop in rpm
- ☐ a rise in oil temperature
- ☐ a rise in rpm

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## Question 4:

The presence of carburettor ice in an aeroplane with a fixed-pitch propeller is verified if you apply carburettor heat and:

- ☐ an initial increase in rpm is followed by a decrease
- ☐ an initial decrease in rpm is followed by a gradual increase
- ☐ a decrease in rpm occurs and then a constant rpm
- ☐ an increase in rpm to a steady value occurs

## Question 5:

Express a heading of South as a three figure group

## Question 6:

Define Heading (Hdg)

- ☐ Heading (Hdg) is the track an aircraft flies across the ground
- ☐ Heading (Hdg) is the direction an aircraft is flying with reference to the magnetic compass
- ☐ Heading (Hdg) is the speed at which an aircraft travels through the air
- ☐ Heading (Hdg) is the direction an aircraft is flying, corrected for magnetic variation.

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## Question 7:

Express 2:40am on the 22nd April as an eight figure group

## Question 8:

Applying carburettor heat will

- ☐ divert hot exhaust gas through the carburettor
- ☐ not affect the fuel air mixture
- ☐ enrichen the mixture
- ☐ lean the mixture

## Question 9:

Select the speed which is not shown on a colour coded airspeed indicator -

- ☐ VNE
- ☐ VNO
- ☐ VFE
- ☐ Vle

## Question 10:

While cruising at A065 OCTA you notice that another aircraft is converging on you from the left at the same level. You should

- ☐ give way to the other aircraft
- ☐ maintain your present height and heading but be prepared to take action to avert a collision if necessary
- ☐ climb to pass over the other aircraft
- ☐ descent to pass under the other aircraft

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## Question 11:

A limitation imposed on normal circuit flying at a non-controlled aerodrome is that aircraft shall:

- ☐ maintain 1000 ft. AGL on the downwind
- ☐ maintain runway direction after take-off till at least 500 meters from the aerodrome perimeter
- ☐ maintain runway direction after take-off till at least 500 feet AGL
- ☐ join the circuit at 1500 ft. AGL on the upwind leg

## Question 12:

Which of the following restrictions applies to the consumption of alcoholic liquor by pilots?

- ☐ a pilot must not consume any alcoholic liquor during the 8 hours prior to departure
- ☐ a pilot must not consume any alcoholic liquor during the 8 hours prior to flight planning
- ☐ a pilot must not consume any alcoholic liquor during the 12 hours prior to departure
- ☐ a pilot must not consume any alcoholic liquor on the day of any proposed flight

## Question 13:

Is smoking permitted on an aircraft during refuelling operations?

- ☐ Only if the windows are open
- ☐ Only if the aircraft is parked at least 6m from the refuelling equipment
- ☐ Yes, if there are two fire extinguishers available between 6 and 15m from the aircraft
- ☐ No

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## Question 14:

For all flights, the pilot in command of an aeroplane shall test the flight controls to the full limit of their travel immediately before:

- ☐ take-off
- ☐ start up
- ☐ the first flight of each day
- ☐ taxiing

## Question 15:

The altitude 3500 is transmitted as

- ☐ Three Five Zero Zero
- ☐ Three and a half thousand
- ☐ Three thousand Five hundred
- ☐ Thirty Five hundred

## Question 16:

The number 5 is pronounced as

- ☐ Five
- ☐ Fiver
- ☐ Fife
- ☐ hive

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## Question 17:

Your aircraft is registered as VH-HMR. In radiotelephony this callsign would be transmitted as:

- ☐ Henry Mario Rocket
- ☐ Hotel Mark Richard
- ☐ Hotel Mike Romeo
- ☐ Henry Mario Romeo

## Question 18:

The leg of the circuit on which the aircraft is established aligned with the runway for landing is called:

- ☐ Upwind
- ☐ Downwind
- ☐ Final
- ☐ Base

## Question 19:

A white cross placed under the primary windsock signifies that:

- ☐ The aerodrome is open for use
- ☐ Gliding operations are in progress
- ☐ Use hard surfaces only
- ☐ Aerodrome Unserviceable

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## Question 20:

A white cross placed on a runway means:

- ☐ That runway is for light aircraft only
- ☐ That runway is unserviceable
- ☐ That runway has loose stones on it
- ☐ No centreline markings - land with caution.