

AIRCADEMY



**Part-FCL question bank**

**BPL**

*(Excerpt)*

**Published sample  
questions**

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Please note that this excerpt of the question catalogue contains only a part of the examination questions. Unknown tasks will also appear in the examination.

**Revision & Quality Assurance**

As part of the continuous revision and updating of the international question database for private pilots (ECQB-PPL), we are constantly looking for competent experts. If you are interested in working with us, please contact us by e-mail at [experts@aircademy.com](mailto:experts@aircademy.com).

If you have any comments or suggestions regarding the content of the questionnaire, please send them to [info@aircademy.com](mailto:info@aircademy.com).

- 1 At time of take-off, ground wind speed is 3 m/s.  
Along take-off flight path, at a distance of 360 m obstacles erect up to 40 m.**
- What is the minimum rate of climb to keep a clearance of 50 m above the obstacles?**
- (Consider double the ground wind speed for the flight path)**
- A) 1.5 m/s
  - B) 2 m/s
  - C) 1 m/s
  - D) 0.5 m/s
- 2 At time of take-off, ground wind speed is 2 m/s.  
Along take-off flight path, at a distance of 320 m obstacles erect up to 30 m.**
- What is the minimum rate of climb to keep a clearance of 50 m above the obstacles?**
- (Consider double the ground wind speed for the flight path)**
- A) 2 m/s
  - B) 0.5 m/s
  - C) 1 m/s
  - D) 1.5 m/s
- 3 A cross-country flight is made using the ICAO 1 : 500,000 aeronautical chart.  
An overflight crosscheck shows that a distance of 6 cm in the chart has been passed within 9 minutes.**
- After how many more minutes, the overflight of another waypoint at a chart distance of additional 4 cm can be expected?**
- A) 18 min.
  - B) 12 min.
  - C) 9 min.
  - D) 6 min.
- 4 A cross-country flight is made using the ICAO 1 : 500,000 aeronautical chart.  
An overflight crosscheck shows that a distance of 4 cm in the chart has been passed within 12 minutes.**
- After how many more minutes, the overflight of another waypoint at a chart distance of additional 6 cm can be expected?**
- A) 6 min.
  - B) 9 min.
  - C) 12 min.
  - D) 18 min.

- 5 While overflying a waypoint, it is stated that a distance of 3 NM has been taken 10 min.

What will be the expected time of endurance for the complete distance of 18 NM?

- A) 12 min.
- B) 60 min.
- C) 180 min.
- D) 90 min.

- 6 While overflying a waypoint, it is stated that a distance of 3 NM has been taken 10 min.

What will be the expected time of endurance for the remaining distance of 18 NM?

- A) 12 min.
- B) 90 min.
- C) 180 min.
- D) 60 min.

- 7 The maximum number of passengers can be found ...

- A) in the operating handbook.
- B) in the Flight Log book.
- C) in the airworthiness certificate.
- D) in the certificate of registration.

- 8 The Empty Mass of a gas balloon includes:

- A) Basket, burner, ballast packages, hull, net and towing rope.
- B) Burner, ballast packages, instruments, net and towing rope.
- C) Basket, basket ring, Valve, net, hull and towing rope.
- D) Ballast packages, basket, hull, valve and towing rope.

- 9 Before take-off, the balloon pilot realises that the maximum take-off mass has been exceeded by 5%.

What has to be done?

- A) The load has to be reduced to maximum take-off mass.
- B) With exceeding up to 5%, normal take-off can be performed.
- C) Take-off has to be approved by the airfield manager on duty.
- D) During take-off, special care has to be taken for obstacles.

**10 Information about operational limits, loading and performance about an aircraft can be taken from which document?**

- A) Operating handbook.
- B) Certificate of registration.
- C) Flight Log book.
- D) Airworthiness certificate.

**11 What difference will be experienced during take-off in presence of a strong surface inversion, compared to a take-off with decreasing temperature with height?**

- A) During climb through an inversion, more ballast must be released and/or more heating is required.
- B) During climb through an inversion, more ballast must be released and/or less heating is required.
- C) During climb through an inversion, less ballast must be released and/or more heating is required.
- D) During climb through an inversion, less ballast must be released and/or less heating is required.

**12 What has to be expected when diving into an inversion layer from above?**

- A) Rate of descent increases.
- B) Uncontrollable oscillation of the basket.
- C) Rate of descent decreases.
- D) Sudden drop onto the ground.

**13 Given the following masses:**

**Empty mass 260 kg  
Instruments 20 kg  
per gas container (full): 30 kg  
per person: 80 kg**

**Assuming temperature ISA+10, how many persons may be carried in the basket at maximum, if the balloon with 4 gas containers has to climb up to pressure altitude 12,000 ft ?**

**(use attachment ECQB-PPL\_BPL001)**

**Please pay attention to annex 1**

- A) 4
- B) 3
- C) 5
- D) 2

**14 Up to which altitude is an overflight prohibited according to the NOTAM?**

See figure (PFP-024)

Please pay attention to annex 2

- A) Altitude 9500 ft MSL
- B) Flight Level 95
- C) Altitude 9500 m MSL
- D) Height 9500 ft

***PFP-024***

A4604/11 NOTAMN

Q)

EDWW/QROLP/IV/NBO/W/000/095/5155N01037E004

A) EDWW

B) 1111180800 C) 1111181200

E) OVERFLYING PROHIBITED FOR ALL TRAFFIC RADIUS  
3.35NM CENTERED AROUND 515436N 0103725E DUE  
TO DEMOLITION OF EXPLOSIVES AT ECKERTHAL,  
(25NM S BRAUNSCHWEIG NDB BRU).

F) GND

G) 9500 FT AMSL

**15 During a flight, a flight plan can be filed at the...**

- A) Search and Rescue Service (SAR).
- B) next airport operator en-route.
- C) Aeronautical Information Service (AIS).
- D) Flight Information Service (FIS).

**16 (For this question, please use annex PFP-063)**

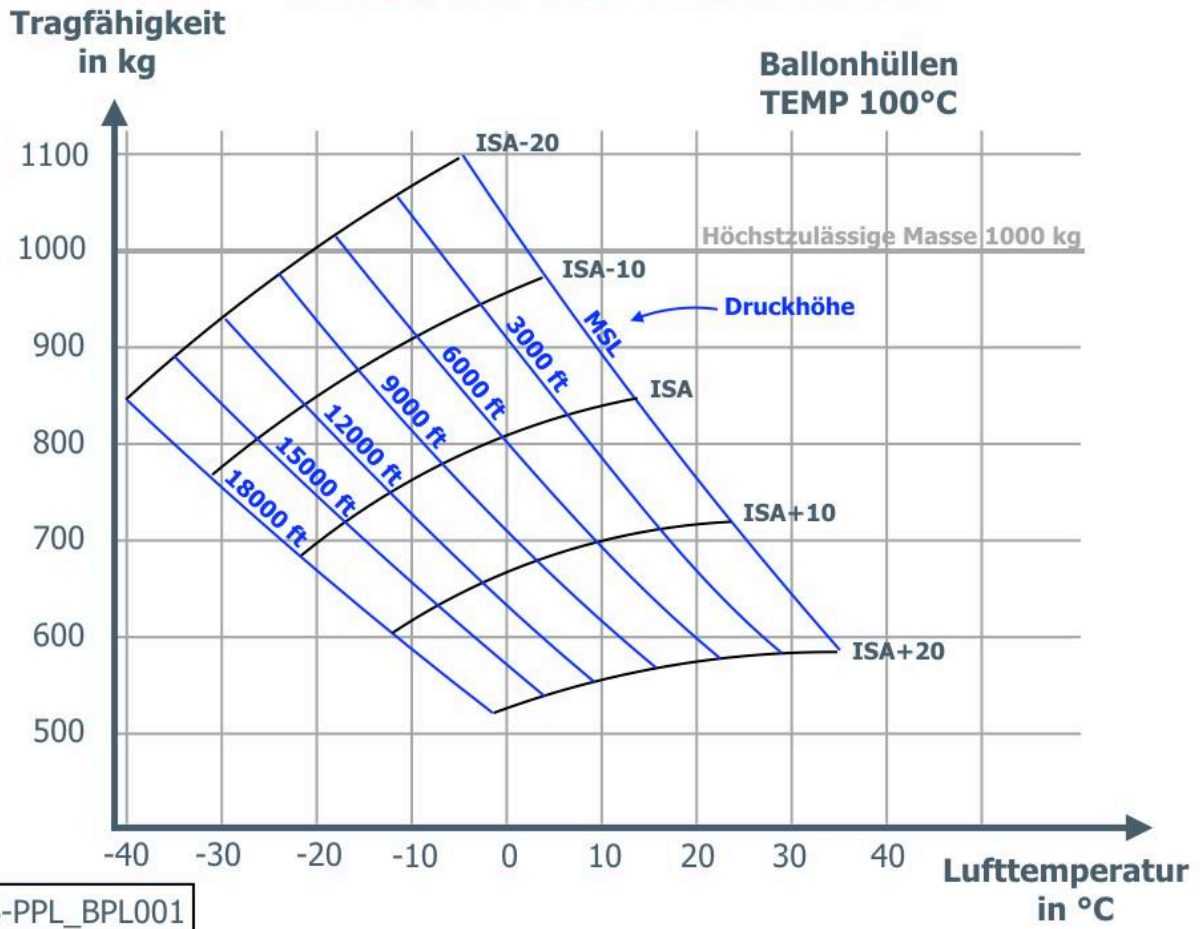
According ICAO, what symbol indicates a general spot elevation?

Please pay attention to annex 3

- A) A
- B) C
- C) D
- D) B

Annex 1

### Auszug aus dem Flughandbuch



Annex 2

**PFP-024**

A4604/11 NOTAMN

Q)

EDWW/QROLP/IV/NBO/W/000/095/5155N01037E004

A) EDWW

B) 1111180800 C) 1111181200

E) OVERFLYING PROHIBITED FOR ALL TRAFFIC RADIUS  
3.35NM CENTERED AROUND 515436N 0103725E DUE  
TO DEMOLITION OF EXPLOSIVES AT ECKERTHAL,  
(25NM S BRAUNSCHWEIG NDB BRU) .

F) GND

G) 9500 FT AMSL



Annex 3

A 300

B (300)

C · 1737

D · 1737

PFP-063