

ATPL – Pressurization Questions

Q19

$$\text{Time for descent} = \frac{41,000 - 3,557}{3,000} = 12 \text{ min, } 28 \text{ secs}$$

$$\text{Rate of cabin depressurisation required} = \frac{8,000 - 3,557}{12.48 \text{ mins}} = 356 \text{ fpm}$$

$$\text{Distance back to start descent} = \frac{12.48}{60} \times 390 = 81 \text{ nm}$$

The correct answer is (c)

Q29

$$\text{Time to climb} = \frac{39,000 - 569}{1,900} = 20.22 \text{ min}$$

$$\text{Distance to climb} = \frac{20.22}{60} \times 220 = 74 \text{ nm}$$

$$\text{Required cabin rate of climb} = \frac{8,000 - 569}{20.22 \text{ mins}} = 367 \text{ fpm}$$

The correct answer is (a)