



MODEL QUESTION 14

A: Seen Part

Read the text and answer questions 1 and 2:

The Falcon Hypersonic Technology Vehicle-2 (Falcon HTV-2) is the fastest plane ever built by human beings. It would fly from London to Sydney in less than an hour. Supersonic Concorde, by the way, could not fly at such a great speed. At the same time it would withstand temperatures of almost 2,000 degree C. This temperature is hotter than the melting point of steel. The US Defense Agency will launch the Falcon HTV-2. First, they will set it on the back of a rocket. Then they will launch both into the space from an Air Force Base. The plan goes like this: engineers will launch the Falcon HTV-2 into the space on the back of a rocket; then they will detach the plane from the rocket; the plane Falcon will fly towards the Earth; engineers will guide and monitor it in its flight. The plane would fly in hypersonic speeds of 13,000 mp/h. This speed is about 20 times the speed of sound.

The Falcon was born in 2003. It was born as part of a US military project. The project researched and built a special type of plane. The researchers wanted that the plane could reach any part of the world in less than an hour. They also wanted to use it for any purposes, military or civil. The plane was already tested in computer models. The Falcon Hypersonic Technology Vehicle-2 would be mankind's dream aircraft in the days to come.

1. Choose the correct answer to each question from the alternatives given and write the corresponding number of the answers in your answer script. 1x7=7

a) The word '**withstand**' means _____

- (i) fail (ii) stand (iii) survive (iv) work

b) Supersonic Concorde is _____ than Falcon HTV-2.

- (i) slower (ii) faster (iii) quicker (iv) shorter

c) The speed of Falcon HTV-2 will be 20 times _____ than that of sound.

- (i) less (ii) lower (iii) higher (iv) equal

d) The _____ will monitor Falcon HTV-2 in its flight.

- (i) engineers (ii) pilots (iii) astronauts (iv) aviators

e) Falcon HTV-2 flies at _____ speed.

- (i) sonic (ii) supersonic (iii) hypersonic (iv) sonic boom

f) The _____ temperature of Falcon HTV-2 may be more than 2,000 degree C.

- (i) air (ii) fly (iii) landing (iv) body
- g) The word '**melting**' means _____
- (i) hard (ii) liquescent (iii) vital (iv) changing
- h) The word '**detach**' means _____
- (i) attach (ii) disjoin (iii) similar (iv) different
- i) The Falcon _____ in 2003.
- (i) was planned (ii) was built (iii) was designed (iv) was researched
- j) The hypersonic speed of Falcon HTV-2 is _____
- (i) 2,000 mp/h (ii) 13,000 mp/h (iii) 850 mp/h (iv) 760 mp/h
- k) The word '**vehicle**' means —.
- (i) car (ii) carriage (iii) bus (iv) train
- l) Falcon HTV-2 could be used for _____
- (i) military purpose (ii) civil purpose (iii) research purpose (iv) both military and civil purpose
- m) The Falcon HTV-2 would reach any part of the world in _____
- (i) less than an hour (ii) an hour (iii) more than an hour (iv) 60 minutes
- n) Human beings _____ the fastest plane called Falcon HTV-2.
- (i) have already built (ii) have not yet built (iii) will build (iv) will be building
- o) The antonym of **withstand** is _____
- (i) defy (ii) oppose (iii) capitulate (iv) resist
- p) The antonym of **launch** is _____
- (i) terminate (ii) catapult (iii) heave (iv) fling

2. Answer the following questions from your reading of the above text.

2x4 = 8

- (a) What is Falcon HTV-2?
- (b) What is the travelling speed of Falcon HTV-2?
- (c) Who built this aircraft?
- (d) Why is Falcon HTV-2 a special type of plane?