

An Indian-American Woman in Space: Kalpana Chawla

Read the following questions carefully and choose the correct answer from the given alternatives:

(1)

After a Bachelor of Science degree in aeronautical engineering, against great opposition from her father, she went for a master's degree in the United States of America. She later earned her Ph.D. in aerospace engineering. Kalpana Chawla was the first Indian-American woman astronaut to blast off from the launch pad at Cape Canaveral, Florida, and participate in a successful mission in space. Her family from India cheered along with staff at the Kennedy Space Centre as they watched the Columbia lift off.

Question 1.

Where did she have her master's degree from?

- (a) USSR
- (b) UK
- (c) USA
- (d) India

▼ [Answer](#)

Answer: (c) USA

Question 2.

In which branch did Kalpana earn her doctorate?

- (a) Aeronautical Engineering
- (b) Aerospace engineering
- (c) Software engineering
- (d) Civil engineering

▼ [Answer](#)

Answer: (b) Aerospace engineering

Question 3.

What was the space shuttle's name carrying her to space?

- (a) Apollo
- (b) ISRO
- (c) Viking
- (d) Columbia

▼ [Answer](#)

Answer: (d) Columbia

Question 4.

Where were her parents at the time Columbia lifted off?

- (a) Kennedy Space Centre
- (b) Delhi
- (c) Karnal
- (d) ISRO

▼ [Answer](#)

Answer: (a) Kennedy Space Centre

Question 5.

Why was she called Indian American? ,

- (a) Bom in America
- (b) Bom in India, married to American
- (c) Married to Indian
- (d) Bom in America, married to Indian

▼ [Answer](#)

Answer: (b) Bom in India, married to American

(2)

Kalpana's first space mission in the space shuttle, Columbia, was 15 days, 16 hours and 34 minutes long. During this time she went around the earth 252 times, travelling 10.45 million kilometers! The crew included a Japanese and a Ukrainian astronaut. The crew performed experiments such as pollinating plants to observe food growth in space, and tests for making stronger metals and faster computer chips all for a price tag of about 56 million dollars.

Question 1.

What was Kalpana's space shuttle's name?

- (a) Apollo
- (b) Columbia
- (c) Viking
- (d) ISRO

▼ [Answer](#)

Answer: (b) Columbia

Question 2.

How many times did she go around the earth?

- (a) 150 times
- (b) 250 times
- (c) 252 times
- (d) 350 times

▼ Answer

Answer: (c) 252 times

Question 3.

Who included the crew members?

- (a) Indian
- (b) Japanese
- (c) Ukrainian
- (d) all of them

▼ Answer

Answer: (d) all of them

Question 4.

Which experiments did the crew perform?

- (a) Pollinating plants
- (b) Test for making stronger metals
- (c) Faster computer chips
- (d) All the above

▼ Answer

Answer: (d) All the above

Question 5.

Give the opposite of 'included'.

- (a) excluded
- (b) joined
- (c) except
- (d) mixed

▼ Answer

Answer: (a) excluded

(3)

For millions of young Indians, the story of Kalpana Chawla, a girl from a small town who touched the skies, had become an inspiration. In a message that she sent from aboard the space shuttle, Columbia, to students of her college in Chandigarh, Kalpana said : "The path from dreams to success does exist. May you have the vision to find it, the courage to get onto it.... Wishing you a great journey."

Question 1.

What was Kalpana's great achievement?

- (a) To go in space

- (b) To join engineering college
- (c) To go to NASA
- (d) To be the member of crew

▼ [Answer](#)

Answer: (a) To go in space

Question 2.

In which college had she studied earlier?

- (a) America
- (b) Delhi
- (c) Karnal
- (d) Chandigarh

▼ [Answer](#)

Answer: (d) Chandigarh

Question 3.

What message did Kalpana give?

- (a) Must have vision
- (b) Must have courage
- (c) Both (a) and (b)
- (d) Not to believe in dreams

▼ [Answer](#)

Answer: (c) Both (a) and (b)

Question 4.

Which town was Kalpana from?

- (a) Karnal
- (b) America
- (c) Chandigarh
- (d) Delhi

▼ [Answer](#)

Answer: (a) Karnal

Question 5.

Give the meaning of 'Vision'.

- (a) Imagination
- (b) Visibility
- (c) Scene
- (d) None of these

▼ Answer

Answer: (a) Imagination

(4)

On the Saturday night when the news about the Columbia disaster broke, there was shock and disbelief. The town of Karnal spent a sleepless night as thousands of households stayed glued to their television sets in the hope that Kalpana and the crew had somehow survived.

Question 1.

What happened to Columbia?

- (a) It crashed
- (b) A part of it crashed
- (c) Safely landed
- (d) Nothing happened

▼ Answer

Answer: (a) It crashed

Question 2.

Who spent a sleepless night?

- (a) People of Karnal
- (b) People of America
- (c) People of India
- (d) People all over the world

▼ Answer

Answer: (c) People of India

Question 3.

Why were the people sitting before T.Vs.?

- (a) hoping that the crew somehow survived
- (b) hoping that the project might be a success
- (c) hoping that Kalpana somehow survived
- (d) None of these

▼ Answer

Answer: (a) hoping that the crew somehow survived

Question 4.

Give the meaning of 'glued'.

- (a) stuck
- (b) fastened

- (c) shone
- (d) free

▼ [Answer](#)

Answer: (a) stuck

Question 5.

When did the tragedy happen to Columbia?

- (a) Saturday night
- (b) Monday night
- (c) Thursday night
- (d) Sunday morning

▼ [Answer](#)

Answer: (a) Saturday night

(5)

Kalpana was born in Karnal, Haryana, but was a naturalised U.S. citizen, married to Flight Instructor Jean Pierre Harrison. Besides being an astronaut, she was licensed to fly single and multiengine land airplanes, single engine sea planes and gliders. She was also a certified Flight Instructor. After qualifying as a Pilot, Kalpana began to consider another challenge : applying to NASA's Space Shuttle Program.

Question 1.

Where was Kalpana Chawla born?

- (a) Karnal
- (b) Delhi
- (c) U.S.
- (d) Haryana

▼ [Answer](#)

Answer: (a) Karnal

Question 2.

To whom was she married?

- (a) To Pilot Jean Cardigan
- (b) To Flight Instructor Jean Pierre Harrison
- (c) To Engineer Jean Person
- (d) None of these

▼ [Answer](#)

Answer: (b) To Flight Instructor Jean Pierre Harrison

Question 3.

What was her field of excellence besides an astronaut?

- (a) Licensed to fly single engine airplanes
- (b) Licensed to fly single engine sea planes
- (c) Licensed to fly gliders
- (d) All the above

▼ [Answer](#)

Answer: (d) All the above

Question 4.

She was qualified as a

- (a) Engineer
- (b) Astronaut
- (c) Pilot
- (d) Flight Instructor

▼ [Answer](#)

Answer: (c) Pilot

Question 5.

What was the challenge before her!

- (a) To apply for NASA's Space Shuttle Program
- (b) To apply for ISRO Space Shuttle Program
- (c) To apply for going to space
- (d) None of these

▼ [Answer](#)

Answer: (a) To apply for NASA's Space Shuttle Program

(6)

Kalpana Chawla said that she never dreamed, as a child in Karnal, that she would cross the frontiers of space. It was enough that her parents allowed her to attend engineering college after she graduated from Tagore School.

Question 1.

What was Kalpana Chawla?

- (a) An engineer
- (b) An astronaut
- (c) A graduate
- (d) Student

▼ [Answer](#)

Answer: (b) An astronaut

Question 2.

Where was she born?

- (a) Karnal
- (b) Chandigarh
- (c) America
- (d) Delhi

▼ [Answer](#)

Answer: (a) Karnal

Question 3.

For what did her parents allow her?

- (a) To go to space
- (b) To go to America
- (c) To do graduation
- (d) To join engineering college

▼ [Answer](#)

Answer: (d) To join engineering college

Question 4.

Kalpana Chawla graduated from

- (a) Engineering College
- (b) Tagore School
- (c) Karnal
- (d) America

▼ [Answer](#)

Answer: (b) Tagore School

Question 5.

Give the meaning of 'frontiers'.

- (a) volunteers
- (b) extension
- (c) space-crew
- (d) limits

▼ [Answer](#)

Answer: (d) limits
