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### SUMMARY OF THE LESSON

In 1997, an Indian-American girl, Kalpana Chawla made history. She went up into space. She was part of international crew in the U.S. space shuttle. She was the first India-born woman to go into space.

But she met with a tragedy. The space shuttle *Columbia* carrying Kalpana went up in flames on 1 February, 2003. The shuttle was returning to earth. She had stayed in space for 16 days.

Kalpana was born in Karnal, Haryana. She had never, as a child, dreamed of such a flight in space. She got a degree in aeronautical engineering in India. Then she went to the United States for a master's degree.

Kalpana became a naturalised U.S. citizen after her marriage with Harrison. She also qualified as a pilot. In 1994 she was selected as an astronaut.

Kalpana's first space mission in *Columbia* lasted nearly 16 days. She went around the earth 252 times. The news about the *Columbia*'s disaster came in 2003. There was shock and disbelief in her home town.

She was truly a brave and bright girl. Her achievement was wonderful. Her story became an inspiration for millions of young Indians. She gave a message from the space shuttle, to Chandigarh students. She said, "There always exists a path from dreams to success. Only you need to have the courage to go after your dream".

## TEXTBOOK QUESTIONS SOLVED

### WORKING WITH THE TEXT

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#### A. Answer the following questions.

1. Where was Kalpana Chawla born? Why is she called an Indian-American? (3)

**Ans.** Kalpana Chawla was born at Karnal, in Haryana. She was born in India, but married an American and became a naturalised citizen. So she is called an Indian-American.

2. When and why did she go to the U.S? Who did she marry? (2, 3)

**Ans.** Kalpana went to the U.S. for higher studies in aeronautical engineering. There she married the flight instructor Harrison.

3. How did she become an astronaut? What gave her the idea that she could be an astronaut? (3)

**Ans.** Kalpana had already got a bachelor's degree in aeronautical engineering before she went to the U.S. She earned her Ph.D. in aerospace engineering. In 1994 she was selected by NASA for training as an astronaut. She was encouraged by the people around her.

4. What abilities must an astronaut have, according to the journalist? (6)

**Ans.** An astronaut needs to know a lot about biology and aeronautical engineering. He/she must have wide knowledge of science subjects.

5. Describe Kalpana Chawla's first mission in space. (5)

**Ans.** Kalpana's first mission in the space shuttle, *Columbia*, was nearly 16 days long. She went around the earth 252 times. Among her colleagues were a Japanese and a Ukrainian astronauts. They performed so many experiments.

6. What does Kalpana Chawla say about pursuing a dream? Do you agree with her that success is possible? (7)

**Ans.** Kalpana Chawla, a girl from a small town, touched the skies. In her message to college students of Chandigarh, from space she said that it was always possible to realise

one's dream. One could certainly get success provided one had the vision and the courage.

Yes, I do agree with her on this point.

#### B. Read the newspaper report to find the following facts about the Columbia's ill-fated voyage.

1. Date and place of lift off: \_\_\_\_\_
2. Number of astronauts on board: \_\_\_\_\_
3. Number of days it stayed in space: \_\_\_\_\_
4. Number of experiments done by scientists: \_\_\_\_\_
5. Date of return journey: \_\_\_\_\_
6. Height at which it lost contact: \_\_\_\_\_

- Ans.** 1. 16 January, 2003                      2. Seven  
3. About 16 days                              4. eighty experiments  
5. 1 February, 2003                         6. 200,000 feet

### WORKING WITH LANGUAGE

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#### A. Match the following:

- |                                |   |
|--------------------------------|---|
| 1. unprecedented space tragedy | (a) • something that causes feelings of respect and wonder                        |
| 2. certified flight instructor | (b) • having knowledge of a wide variety of subjects                              |
| 3. space mission               | (c) • nowadays, in these times  |
| 4. super specialisation        | (d) • a set of jobs to be done in space by a group                                |
| 5. encyclopaedic knowledge     | (e) • a person with the correct qualification to teach people to fly plane planes |
| 6. awe-inspiring               | (f) • a sad accident of a kind that has never happened before in space            |
| 7. in this age                 | (g) • great expertise in limited field or a particular subject                    |

- Ans.** 1. (f)                      2. (e)                      3. (d)                      4. (g)  
5. (b)                      6. (a)                      7. (c)

**B. Use these phrases in sentences of your own, after finding out their meanings.**

- |                  |                  |                  |
|------------------|------------------|------------------|
| 1. broke apart   | 2. streaked over | 3. spread across |
| 4. lifted off    | 5. blast off     | 6. went on       |
| 7. cheered along | 8. on board      | 9. carry on      |

- Ans.**
- broke apart** – (parted, separated): The two wheels of my bicycle broke apart suddenly.
  - streaked over** – (left a thin line or work): The jet plane streaked over our house high in the sky.
  - spread across** – (became widely known or felt): The flu spread across the whole locality.
  - lifted off** – (rose from the launching site): The helicopter lifted off the helipad with only two passengers.
  - blast off** – (take off noisily): The spaceship blasted off at 2.30 a.m. sharp.
  - went on** – (continued): The discussion went on the whole night.
  - cheered along** – (encouraged): All the runners were cheered along by their fans.
  - on board** – (inside the plane): The huge ship had nearly 500 passengers on board.
  - carry on** – (continue doing something): She decided finally to carry on with her boss.

**C. We add 'un-' to make opposites.**

**For example:** true – untrue

Add 'un-' to the words below to make their opposites. Then look up the meanings of the words you have formed in the dictionary.

- |                     |                      |
|---------------------|----------------------|
| 1. identified _____ | 6. educated _____    |
| 2. controlled _____ | 7. interesting _____ |
| 3. attended _____   | 8. qualified _____   |
| 4. successful _____ | 9. trained _____     |
| 5. important _____  | 10. answerable _____ |

Ans.	Words	Opposites	Meanings
1.	identified	– unidentified	– which has not been recognised.
2.	controlled	– uncontrolled	– totally free, lawless
3.	attended	– unattended	– not looked after
4.	successful	– unsuccessful	– failed
5.	important	– unimportant	– petty, insignificant
6.	educated	– uneducated	– illiterate, unlettered
7.	interesting	– uninteresting	– dull
8.	qualified	– unqualified	– not having the qualification needed for the job.
9.	trained	– untrained	– raw hand, without the necessary training or experience.
10.	answerable	– unanswerable	– not fit to be answered.

**SPEAKING**

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In her message to students of her college, Kalpana Chawla said, "May you have the vision to find the path from dreams to success ... wishing you a great journey."

Form pairs. Use "May you ..." and "I wish you /Wishing you" to wish your partner good luck and success in

- a sports event
- a quiz or a competition, and
- a test or examination.

- Ans.**
- Wishing you a great success in the sports event.
  - Wishing you a glorious success in the quiz competition.
  - May you climb to the top in the test!

Be sure to thank your partner when he/she wishes you in turn. You may also look up a telephone directory, or go to

a post office, and get a list in English and Hindi of standard phrases that can be sent in greeting telegrams anywhere in India. Discuss which of these you might use, and when. Compare the English and Hindi phrases for expressing good wishes. Do you know such phrases in any other language?

- (a) Happy Diwali/Heartiest Diwali Greetings दीवाली की हार्दिक शुभकामनायें
- (b) A happy new year to you नव वर्ष मंगलमय हो
- (c) Many many happy returns of the day आपका हर दिन शुभ हो
- (d) Best wishes for a long and happy married life आपके लम्बे और सुखमय वैवाहिक जीवन के लिये शुभकामनायें
- (e) A Merry Christmas to you क्रिसमस की हार्दिक शुभकामनायें
- (f) Best wishes for a safe and pleasant journey आपकी यात्रा सकुराल एवं आनन्दमय हो
- (g) Heartiest congratulations on the new arrival पुत्र जन्म पर हार्दिक बधाई
- (h) Many thanks for your good wishes आपकी शुभकामनाओं के लिये कोटिशः धन्यवाद

## WRITING

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**A. Do you have a 'dream' or something you very much wish to do? Write a paragraph saying what you want or wish to do. Then say (in another paragraph) how you think you can make your dream come true.**

**Ans.** Dreaming is a common and natural activity of the mind when we are asleep. But the word 'dream' also means ambition, a keen desire in life. In that sense, I have a modest dream. I wish to qualify for the medical profession. To me, a doctor ranks next to God as protector of life. He provides relief to the crying patients. He cures diseases. He helps a patient recover from illness, and be happy and live a full life. I wish to be a doctor to help the poor patients, to bring smile on their faces.

I know that my dream is not easy to realise. I need not only a brilliant mind but also the means to pay for my

studies. Nevertheless I am determined to pursue my goal. I hope to do well in the entrance examination. As for the financial help, I will get it from some bank.

**B. Given below are some words that are spelt differently in British and American English. Fill in the blanks accordingly.**

<i>British</i>	<i>American</i>
1. colour	_____
2. _____	labor
3. _____	traveler
4. counsellor	_____
5. centre	_____
6. _____	theater
7. _____	organize
8. realise	_____
9. _____	defense
10. offence	_____

**Ans.**

<i>British</i>	<i>American</i>
1. colour	color
2. labour	labor
3. traveller	traveler
4. counsellor	counselor
5. centre	center
6. theatre	theater
7. organise	organize
8. realise	realize
9. defence	defense
10. offence	offense

## ★ Beauty

*E-Yeh-Shure*

### SUMMARY OF THE POEM

Beauty gives pleasure to all our senses. It can be noticed in the sunlight, the trees, the birds, the fields and the dancing groups. The people dance joyfully for their harvest.

Beauty can also be heard in the night when the wind makes a whistling sound, the rain falls or some singer sings merrily.

True beauty, however, shows itself in our noble actions and good ideas. That beauty is repeated in one's dreams and deeds, and even when one rests.

### TEXTBOOK QUESTIONS SOLVED

#### WORKING WITH THE POEM

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#### 1. The poet says, "Beauty is heard in ..."

Can you hear beauty? Add a sound that you think is beautiful to the sounds the poet thinks are beautiful.

The poet, Keats, said:

*Heard melodies are sweet,  
But those unheard are sweeter.*

What do you think this means? Have you ever 'heard' a song in your head, long after the song was sung or played?

**Ans.** We find the melodious notes of the cuckoo or the nightingale very pleasing to the ears. But that pleasure is still incomplete. We have models of perfect beauty in our imagination. And we wait anxiously to hear our beloved's voice and the chanting of prayers in holy places. We all look for perfection. A poetic phrase, idea or expression haunts us all through life.

#### 2. Read the first and the second stanzas of the poem again. Note the following phrases.

corn growing, people working or dancing, wind sighing, rain falling, a singer chanting

These could be written as

- corn that is growing
- people who are working or dancing

Can you rewrite the other phrases like this? Why do you think the poet uses the shorter phrases?

**Ans.** Yes, a few other phrases have been shortened in the poem.

For example, stream flowing, baby crying, etc.

I think the poet uses the shorter phrase for creating musical effect.

#### 3. Find pictures of beautiful things you have seen or heard of.

**Ans.** Each one of us has a different concept of beauty in physical form or in thoughts and ideas. Your experience may be different from your friend's. So try to recall yourself beautiful scenes and sounds.

#### 4. Write a paragraph about beauty. Use your own ideas along with the ideas in the poem. (You may discuss your ideas with your partner.)

**Ans.** Our whole life is a mad search for beauty in different forms. Every fine art is a treasure house of beauty – be it dance, or poetry or sculpture. What the tribal people regard as beauty may look ugly to us. So beauty has as many forms as one can imagine. But nobody can fail to see beauty in good deeds, heroic actions, sweet voice and in nature.