



War of words

Strike up a debate on the given topic

Mangrove forests can be found around tropical coastlines and marshy areas near seas and estuaries. Often they are cleared to make way for urban development. Put on your thinking cap and argue both sides:



Should mangrove forests be protected?

Yes

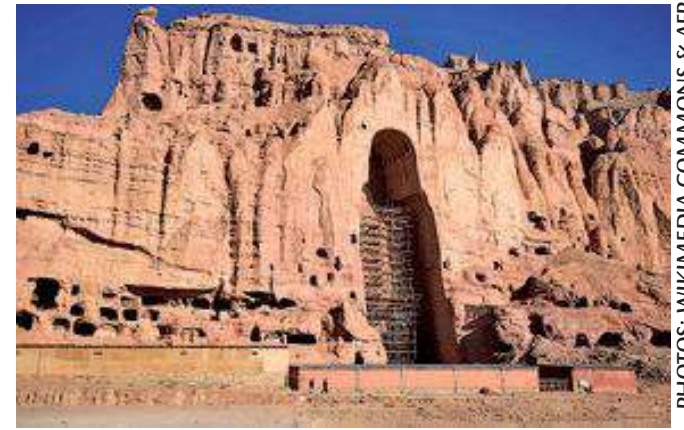
No

Country hopping

These four pictures are representative of a landlocked mountainous country located in south-central Asia. Name it



Hint: 1. This magnificent cat is the national animal of this country. 2. It is known as "the country of the pomegranate fruit" 3. Laid out by the Mughal ruler Babur in the early 16th Century and the site of his tomb, the 11-hectare Babur-e-Bagh is the largest public green space in the heart of the country's capital Kabul 4. Bamiyan, the UNESCO World Heritage Site, where the giant Buddhas were destroyed by the Taliban in 2001.



Answer: Afghanistan

PHOTOS: WIKIMEDIA COMMONS & AFP

Bits & Bytes

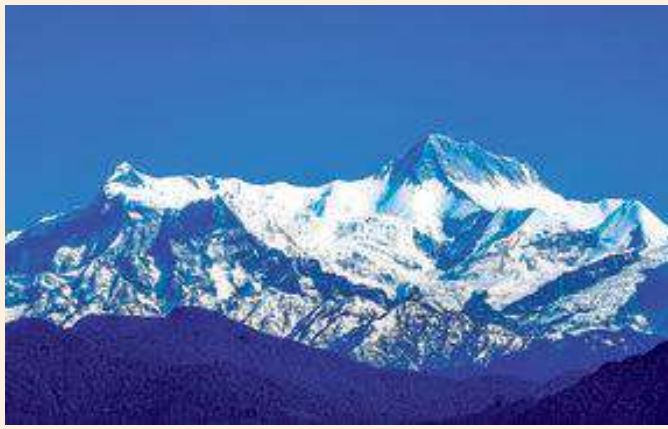
Given below are a few terms with something in common. Guess what it is.

- CryptoLocker
- MyDoom
- WannaCry
- Stuxnet
- Slammer

Answer: They are all virus attacks

High five A quiz on India, its people, culture and lots more

1. Who was India's first Prime Minister?
 - a. Odisha.
2. On which mountain range does the Ganges originate?
 - b. Bangladesh.
3. On which island is Indira Point – the country's southernmost point - located?
 - c. Jawaharlal Nehru.
4. The Sundarbans forests in West Bengal extend into our neighbouring country. Name it.
 - d. Andaman and Nicobar Islands.
5. The traditional patachitra art form is deeply tied to the Jagannath temple in which State?
 - e. The Himalayas.



Answers: 1. C, 2. E, 3. C, 4. D, 5. A

Inventors and inventions

Connect the scientists with their inventions and discoveries

1. Michael Faraday was an English scientist who developed the Faraday's Law of Induction. His inventions of electromagnetic rotary devices formed the foundation of electric motor technology.
 - A. anti-epileptic drugs
2. Marie Curie, a Polish physicist, who conducted pioneering research in radioactivity. She was the first woman to win a Nobel Prize, and the first person to win the Nobel Prize twice.
 - B. Steam Engine
3. James Watt, a Scottish inventor, who developed the concept of horsepower and the SI unit of power.
 - C. Lightning rod
4. Benjamin Franklin, was a multi-talented American inventor. He was one of the Founding Fathers of the United States.
 - D. Electromagnetic induction
5. Asima Chatterjee, an Indian organic chemist, was the first woman to receive a Doctorate of Science from an Indian university.
 - E. Polonium and radium.

Answers: 1. D, 2. E, 3. B, 4. C and 5. A

Word of the day

Expressionism

This word represents a style or movement in early 20th century art, cinema, music, literature and theatre that tries to express a subject's feelings and emotions as opposed to showing events or objects in a realistic way. Expressionism originated in Germany.

Origin:

The origin of the word is traced to paintings exhibited in Paris in 1901 by artist Julien-Auguste Herve. He called the paintings Expressionismes.

Alternatively, it is thought by many that the term was coined by Czech art historian Antonin Matejcek in 1910 as the opposite of impressionism.

Usage:

Rohan's portrait can be called an example of expressionism as it reflects the true emotions of his subject.

Activity:

Use the word of the day in a sentence of your own

Fun facts

1. Fish with a see-through head

The barreleye is a small fish with a completely transparent head, found in the depths of the Pacific Ocean. It has light-sensitive tubular eyes that can rotate within a see-through, fluid-filled shield covering its head. The fish lives close to the depths of the ocean where sunlight barely reaches. Its eyes, capped by bright green lenses, help in its search for prey overhead in the dark waters.

Q: The barreleye is also known as _____ fish.

2. Beneficial bugs

There are many insects such as lady beetles, ground beetles and tiger beetles that can keep insect pests under control. Living on the surface of the soil and having voracious appetites, they catch and consume a wide range of insects including caterpillars, wireworms, maggots, ants and slugs. Some also eat up weeds and dead plants, and help pollinate flowers.

Q. Lady beetles or bugs have legs and antennae.

Answers
1. Spook
2. Short

Journal Writing

Dear Diary

I love my city, can't imagine living elsewhere....

Use your imagination and write a note in 150 words. Mail it to school@thehindu.co.in with the subject line: Journal Writing. The best pieces will be published on Page 3 in the Inbox column from Monday to Friday.

The W Corner

WHY do MotoGP riders lean so much while taking a turn?

If you have ever followed an entire MotoGP race weekend, you would have noted that riders lean into turnings. Have you ever wondered why MotoGP riders lean so much when taking turns? Do you think you can guess the answer? Write down in the space provided and check it with the answer given.



PHOTO: REUTERS

Answer: You might have rode a bicycle, or been a pillion rider on a motorcycle with others, but you would have never needed to lean so much as MotoGP riders needed to lean more to achieve the same lateral acceleration than a bike with narrower tyres. Take into account the position of the body of the rider and the centre of gravity of the rider-motorcycle combo, and the reason why riders have to lean so much while taking a turn becomes evident.

You would have seen that the tyres in details. Read on if you are seeking more to maintain their high speed, even while turning. Read on if you are seeking more to maintain their high speed, even while turning. Read on if you are seeking more to maintain their high speed, even while turning.