

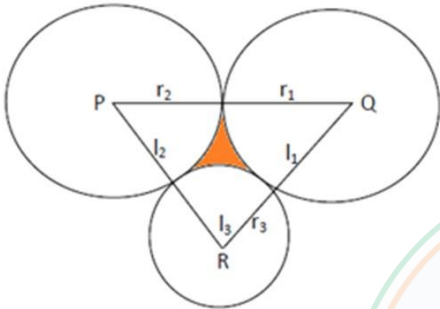


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Friday, 15 May 2026

1. Three circles P, Q and R touch each other as shown below. The radius of the circle P and Q is  $(\sqrt{2} + 1)$  cm, while the smaller circle is 1 cm. Find the perimeter of the shaded region.



- (A)  $\pi/2 \times (\sqrt{2} + 2)$  cm      (B)  $\pi/2 \times (2\sqrt{2} + 2)$  cm  
 (C)  $\pi/2 \times (\sqrt{2} - 2)$  cm      (D)  $\pi/2 \times (\sqrt{2} - 1)$  cm

2. In a business, Vinay and Ashok invested amounts in the ratio 3 : 1, whereas the ratio between amounts invested by Vinay and Sudhir was 2 : 3. If Rs. 42500/- was their profit, who got the highest amount and how much?

- (A) Vinay: Rs.16500/-      (B) Ashok: Rs.17000/-  
 (C) Sudhir: Rs.22500/-      (D) Sudhir: Rs.18500/-

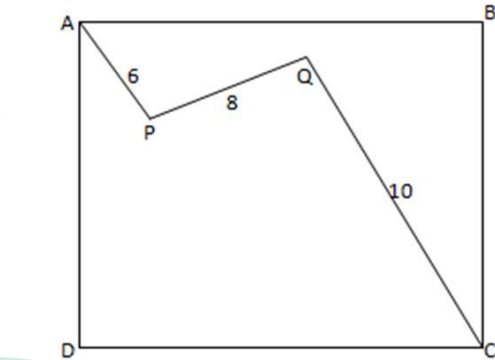
3. The minimum and maximum value of  $(7 + \cos 2x)$  are.

- (A) 6 and 8      (B) 3 and 2  
 (C) -1 and 1      (D) 0 and 7

4. If  $a = 7$  and  $b = 6$ , then find the value of  $a^4 - 4a^3b + 6a^2b^2 - 4ab^3 + b^4$ .

- (A) 9031      (B) 2560  
 (C) 4096      (D) 8600

5. ABCD is a square. AP = 6 cm, PQ = 8 cm and QD = 10 cm.  $\angle APQ = \angle PQD = 90^\circ$ . Find the area of square.



- (A) 320 cm<sup>2</sup>      (B) 160 cm<sup>2</sup>  
 (C) 80 cm<sup>2</sup>      (D) 150 cm<sup>2</sup>

6. If  $\cos(x + y) \cdot \operatorname{cosec}(x - y) = 1$ , then find the value of  $((\cot^2 x + \sec^2 x + \sin^2 x)) / (-\cot^2(180^\circ - x) - \sec^2(180^\circ - x))$

- (A) 7/6      (B) 7/3  
 (C) 6/7      (D) 3/7

7. The average of 12 numbers is 40; out of 12, averages of 9 numbers are 35. If the remaining three numbers are in ratio of 5 : 6 : 4, find the sum of smallest and largest number.

- (A) 95      (B) 99  
 (C) 110      (D) 115

8. The radii of the base of two cylinders P and Q are in the ratio 3 : 2 and their height in the ratio a : 1, if the volume of cylinder P is 3 times that of cylinder Q, the value of a is?

- (A) 3/4      (B) 4/3  
 (C) 3/2      (D) 2/3

9. ABCD is rectangle with AB = 16 cm and AD = 12 cm. AEF is a square of side 4 cm. Find the area of triangle BOC.

- (A) 45 cm<sup>2</sup>      (B) 48 cm<sup>2</sup>  
 (C) 54 cm<sup>2</sup>      (D) 50 cm<sup>2</sup>

1-{A}-2-{C}-3-{A}-4-{A}-5-{B}-6-{A}-7-{C}-8-{B}-9-{C}



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1. A series is given with one term missing. Select the correct alternatives from the given ones that will complete the series.

OQB, QPD, SOF, ?, WMJ

- (A) UNG
- (B) UMH
- (C) UNH
- (D) VNH

2. Select the option that is related to the third term in the same way as the second term is related to the first term.

Crockery : Plate :: Garments : ?

- (A) shop
- (B) customer
- (C) Tiger
- (D) Trouser

3. Select the number that can replace the question mark (?) in the following series.

19, 22, 27, 34, ?, 58

- (A) 44
- (B) 43
- (C) 45
- (D) 46

4. In a certain code language, 'RODENT' is written as 'PJAZKN'. What is the code for 'CURTAN' in that code language?

- (A) KXPNQY
- (B) JVPNQY
- (C) KWPNQY
- (D) JWPNQY

5. Identify the venn diagram that best express the relationship between the given class.

Spices, black pepper, brinjal

- (A)
- (B)
- (C)
- (D)

6. Count the number of triangles in the given figure?



- (A) 15
- (B) 16
- (C) 17
- (D) 18

7. In the given options, three are alike in same manner and one is different. Pick the odd one.

- (A) LBW
- (B) STUMP
- (C) SIX
- (D) GOAL

8. In the given options, three are alike in same manner and one is different. Pick the odd one.

- (A) LADAKH
- (B) CHANDIGARH
- (C) Jammu and Kashmir
- (D) PUNJAB

9. In the given options, three are alike in same manner and one is different. Pick the odd one.

- (A) 12-85
- (B) 27-188
- (C) 23-162
- (D) 17-120

10. In the given options, three are alike in same manner and one is different. Pick the odd one.

- (A) vague-clear
- (B) deep-shallow
- (C) savage-polite
- (D) swift-rapid

1-{C}-2-{D}-3-{C}-4-{D}-5-{B}-6-{B}-7-{D}-8-{D}-9-{B}



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Friday, 15 May 2026

(VOCABULARY)

commission”

### 1. Frayed

**Meaning:** unravel or become worn at the edge, typically through constant rubbing.

**Synonyms:** unravel, wear

**Antonyms:** pristine, new, current

**Usage:** “cheap fabric soon frays”

### 2. Catastrophe

**Meaning:** an event causing great and usually sudden damage or suffering; a disaster.

**Synonyms:** disaster, calamity, cataclysm

**Antonyms:** salvation, godsend, Defence

**Usage:** “an environmental catastrophe”

### 3. Galvanising

**Meaning:** shock or excite (someone) into taking action.

**Synonyms:** jolt, shock, startle

**Antonyms:** demotivate

**Usage:** “the urgency of his voice galvanized them into action”

### 4. Compliance

**Meaning:** excessive acquiescence.

**Synonyms:** acquiescence, agreement, assent

**Antonyms:** defiance

**Usage:** “the appalling compliance with government views shown by the

### (WORD SUBSTITUTION)

5. A place where soldiers live – **Barracks**

6. Experts who scientifically study insects – **Entomologists**

### (MISPELT WORDS)

**Find the correctly spelt word.**

7. (A) Octoginarian (B) Octogenarian

(C) Octogenerian (D) Octogenerian

8. (A) Halucinogen (B) Hallucinogen

(C) Hallucenogen (D) Hallucinojen

### (IDIOMS AND PHRASES)

9. **At the end of the day:**

**Meaning:** This is used to mean 'in conclusion' or 'when all is said and done'.

**Example:** It's a generous offer, but at the end of the day, I have to choose the job that will be most beneficial for my family.

10. **Bite someone's head off:**

**Meaning:** If you bite someone's head off, you criticize them angrily.

**Example:** I lost my temper. I didn't mean to bite your head off.



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Friday, 15 May 2026

1. Which crop became India's largest feedstock for ethanol production in 2025–26 (H1)?

- (A) Sugarcane (B) Rice  
(C) Wheat (D) Maize

2. Bharat Maritime Insurance Pool (BMIP), launched in 2026, is best described as:

- (A) A scheme for inland water transport insurance only  
(B) A domestic maritime insurance pool for international vessels  
(C) A programme for agricultural crop insurance support system  
(D) A financial plan for aviation cargo insurance coverage

3. Who has been appointed as the President of the Confederation of Indian Industry (CII) for 2026–27?

- (A) R. Mukundan (B) Shashwat Goenka  
(C) Rajiv Memani (D) Kumar Mangalam Birla

4. With which country has India finalised the Comprehensive Economic Partnership Agreement (CEPA) to come into force on 1 June 2026?

- (A) Qatar (B) Saudi Arabia  
(C) Kuwait (D) Oman

5. Which country conducted the test launch of the Sarmat intercontinental ballistic missile on 12 May 2026?

- (A) China (B) United States  
(C) Russia (D) France

6. The recently formed Judicial Infrastructure Advisory Committee to modernise court infrastructure will be headed by whom?

- (A) Justice Aravind Kumar  
(B) Justice Sanjay Karol  
(C) Justice Pankaj Mithal  
(D) Justice Vikram Nath

7. Swapan Sadhan Bose, popularly known as Tutu Bose, who passed away in 2026, was associated with which sports club?

- (A) East Bengal FC (B) Mohun Bagan  
(C) Bengaluru FC (D) Mumbai City FC

8. India's long-term military modernisation strategy aimed at creating a fully integrated and self-reliant force by 2047 is known by which name?

- (A) Defence Forces Vision 2047  
(B) Mission Raksha Bharat  
(C) Atmanirbhar Sena Mission  
(D) Integrated Security Plan 2047

9. Recently India hosted the BRICS Foreign Ministers' meeting in New Delhi under the chairmanship of whom?

- (A) Amit Shah (B) Narendra Modi  
(C) Dr S Jaishankar (D) Droupadi Murmu

10. What is the total outlay of the Scheme for Promotion of Surface Coal/Lignite Gasification Projects approved by the Union Cabinet in May 2026?

- (A) ₹25,000 crore (B) ₹30,000 crore  
(C) ₹37,500 crore (D) ₹42,500 crore

1-{D} - 2-{B} - 3-{A} - 4-{D} - 5-{C} - 6-{A} - 7-{B} - 8-{A} - 9-{C} - 10-{C}



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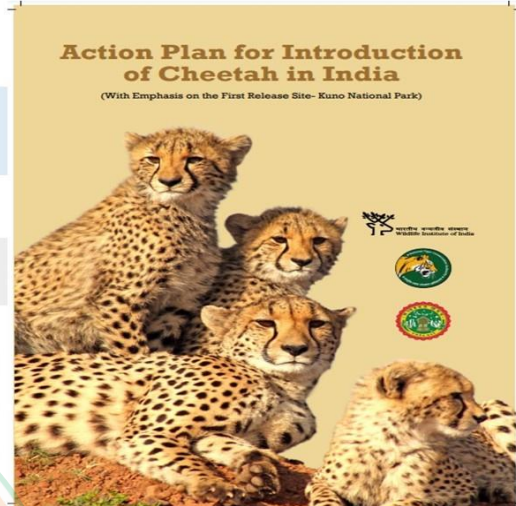
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## Project Cheetah.

### Why in News?

**Two cheetahs** brought from Botswana were released into the **wild at Kuno National Park**, increasing the number of free-ranging cheetahs in the park under India's ambitious **Project Cheetah**.



#### Expository: -

##### Release of Cheetahs

- Madhya Pradesh Chief Minister Mohan Yadav released two Botswana cheetahs into the free-range area of Kuno National Park.
- The release is part of **Project Cheetah**, launched to reintroduce cheetahs into India after they became extinct in the country in **1952**.
- India became the first country in the world to attempt the large-scale reintroduction of an extinct large carnivore species.

##### Botswana Cheetahs

- A total of **nine cheetahs** (six females and three males) were brought from Botswana to India in February 2026.
- Earlier, cheetahs were also translocated from **Namibia** in 2022 under the first phase of the project.
- Botswana and Namibia were selected because of their healthy cheetah populations and similar climatic conditions.

##### Cheetah Population in India

- India's cheetah population has increased to around **57**, including several India-born cubs.
- The birth of cubs in Kuno is considered a major success for the project, showing adaptation of cheetahs to Indian conditions.
- The project aims to establish a **self-sustaining cheetah population** in India over the coming decades.

##### About Kuno National Park

- Kuno National Park is located in the **Sheopur district of Madhya Pradesh** near the **Vindhyan Hills**.
- It was initially established as the **Kuno Wildlife Sanctuary** in 1981 and was declared a **National Park in 2018**.
- The park derives its name from the **Kuno River**, which flows through the region.
- The park was selected under the '**Action Plan for Introduction of Cheetah in India**' because of its suitable grassland and forest ecosystem.
- Kuno has a habitat consisting of **dry deciduous forests, grasslands, and scrublands**, ideal for cheetahs.

##### Additional Important Information

- **Project Cheetah**
- Project Cheetah was officially launched on **17 September 2022** by Prime Minister Narendra Modi on his birthday.
- The project is being implemented by the **National Tiger Conservation Authority (NTCA)** in collaboration with the **Wildlife Institute of India (WII)**.
- The main objective is to restore India's grassland ecosystem and improve biodiversity conservation.



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### Major monuments of India

Monuments	Constructed by	Location
Nalanda University	Gupta Dynasty	Rajgir, Nalanda (Bihar)
The seven Pagodas of Mahabalipuram	Narasimhavarman II	Mahabalipuram (Tamil Nadu)
Jagannatha Temple	King Anantavarman Chodaganga Deva	Puri, Odisha
Lingaraj Temple	Somavamsi Dynasty	Bhubaneswar, Odhisha
Khajuraho Group of Monuments	Chandela Dynasty	Chhatarpur, Madhya Pradesh
Brihadeeswara Temple	Raja Chola I	Thanjavur, Tamil Nadu
Ajanta Caves	Satavahana Dynasty later Mauryan Dynasty	Aurangabad, Maharashtra
Ellora Caves	Kalachuri, Chalukya, and Rashtrakuta Dynasties	Aurangabad, Maharashtra
Agra Fort	Mughal Emperor Akbar	Agra, Uttar Pradesh
Thousand Pillars Temple	Kakatiya Dynasty	Hanamakonda, Telangana
Red Fort	Mughal Emperor Shah Jahan	Delhi