



## **Prelims Practice Questions 27-11-2017**

1. Consider the following statements.

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1. The photosphere of the Sun is the warmest and deepest layer of the Sun.

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2. The satellites placed in the Lagrange point L1, require more energy to maintain in its orbit.

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3. Corona is the outer layer of the Sun.

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Select the correct answer from the following codes.

\n\n

a) 1 and 2 only

\n\n

b) 2 only

\n\n

c) 3 only

\n\n

d) 1, 2 and 3

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2. Consider the following statements.

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1. Home Minister is the chairman of Inter-State Council.

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2. The council was formed based on the recommendation of Punnchi Commission.

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3. It is a constitutional body.

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Select the incorrect answer from the following codes.

\n\n

a) 1 and 2 only

\n\n

b) 2 and 3 only

\n\n

c) 2 only

\n\n

d) None

\n\n

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3. Consider the following statements.

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1. Spotted rock geckos are found in the Andhra Pradesh area of Eastern Ghats.

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2. Mahendragiri geckos belong to the population of Spotted rock geckos.

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3. Mahendragiri gecko has been christened as Hemidactylus sushilduttai.

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Select the correct answer from the following codes.

\n\n

a) 1 and 2 only

\n\n

b) 2 only

\n\n

c) 1 and 3 only

\n\n

d) 3 only

\n\n

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4. Consider the following statements.

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1. Mukundara Tiger Reserve is located in Madhya Pradesh.

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2. Recently, the centre has given its nod to shift tigers from Mukundara to Ranthambore tiger reserve.

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3. Ranthambore and Sariska tiger reserves are in Rajasthan

\n\n

Select the correct answer from the following codes.

\n\n

a) 1 and 2 only

\n\n

b) 2 only

\n\n

c) 2 and 3 only

\n\n

d) 3 only

\n\n

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5. Consider the following statements.

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1. The sloth bear is endemic to the Indian subcontinent.

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2. North Eastern India has largest population of sloth bears in India.

\n\n

3. Kanha-Pench Wildlife corridor is located in Madhya Pradesh.

\n\n

Select the correct answer from the following codes.

\n\n

a) 1 and 3 only

\n\n

b) 2 and 3 only

\n\n

c) 1 and 3 only

\n\n

d) 1, 2 and 3

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6. Consider the following statements on nanofibre shirts.

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1. Nanofibre shirts are made using boron nitride and polyvinyl alcohol.

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2. Boron nitride has low thermal conductivity.

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Select the correct answer from the following codes.

\n\n

a) 1 only

\n\n

b) 2 only

\n\n

c) Both 1 and 2

\n\n

d) Neither 1 nor 2

\n\n

\n\n

7. Consider the following statements on Terahertz imaging.

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1. It is a scanning technique that uses extremely low frequency waves to penetrate dense surfaces.

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2. The technique is used in art restoration projects and detecting skin

cancer.

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Select the correct answer from the following codes.

\n\n

a) 1 only

\n\n

b) 2 only

\n\n

c) Both 1 and 2

\n\n

d) Neither 1 nor 2

\n\n

\n\n

8. Consider the following statements on Islamic Banking.

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1. It is a system of finance in which interest rate will be low.

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2. Presently, Islamic Banking is permitted to operate in India.

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Select the correct answer from the following codes.

\n\n

a) 1 only

\n\n

b) 2 only

\n\n

c) Both 1 and 2

\n\n

d) Neither 1 nor 2

\n\n

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9. How the concept of 'Fraternity' is expressed in Indian Constitution?

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1. Single citizenship

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2. Dignity of the individual

\n\n

3. States having no right to secede from the Union

\n\n

4. Duty of citizen to promote harmony and spirit of common brotherhood amongst all the people of India.

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Select the correct answer using the code given below:

\n\n

a) 4 only

\n\n

b) 3 and 4 only

\n\n

c) 1, 3 and 4 only

\n\n

d) 1, 2, 3 and 4

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10. Consider the following pairs:

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**Clouds**

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**Characteristics**

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A dark dull cloud with  
layers brings

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1.Cumulonimbus

Continuous rain, snow  
or sleet.

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2. Cirrus

Fibrous clouds  
indicating fair weather

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3.Nimbostratus

Vertical height cloud  
in cauliflower shape  
Brings convectional  
rain with thunder and  
lightning.

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Which of the pairs given above is/are correctly matched?

\n\n

a) 1 only

\n\n

b) 2 only

\n\n

c) 3 only

\n\n

d) 1, 2 and 3

\n\n



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## **Answers & Explanations**

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1. c

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Photosphere has lower temperature compared to Corona. Due to delicate balance of gravitational forces, the satellite requires very little energy to maintain its orbits.

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2. a

\n\n

Prime Minister is the chairman. The Council was formed based on the recommendation of Sarkaria Commission.

\n\n

3. d

\n\n

Spotted rock geckos are found in Maharashtra area of Western Ghats. Mahendragiri gecko is a distinct species.

\n\n

4. d

\n\n

Mukundara tiger reserve is in Rajasthan. The transfer is to take place from Ranthambore to Mukundara.

\n\n

5. a

\n\n

The central India has more population of sloth bear.

\n\n

6. a

\n\n

Boron nitride has high thermal conductivity.

\n\n

7. b

\n\n

Terahertz imaging uses high frequency waves.

\n\n

8. d

\n\n

Islamic banking system is based on non-interest lending. It is not permitted in India.

\n\n

9. d

\n\n

10. b

\n\n

**High Clouds** - Mainly cirrus of feathery form at 20-40000 feet above the ground.

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**Cirrus** - It looks fibrous and appears like wisps in the blue sky; it is often called 'mares' tails'. It indicates fair weather, and often gives a brilliant sunset.

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**Medium clouds** - Mainly alto or middle height clouds at 7- 20000 feet.

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**Low clouds** - Mainly stratus or sheet clouds below 7000 feet. Nimbostratus: This is a dark, dull cloud, clearly layered, and is also known as a 'rain cloud'. It brings continuous rain , snow or sleet.

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Clouds with great vertical extent: Mainly cumulous or heap clouds with no definite height ( 2-30000 feet).

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**Cumulonimbus** - This is an overgrown cumulus cloud, extending for a tremendous vertical height from a base of 2000 feet to over 30000 feet. Its black and white globular masses take a fantastic range of shapes. Its cauliflower top often spreads out like an anvil. This is frequently seen in tropical afternoons. It is also referred to as a 'thundercloud' and bring convectional rain, accompanied by lightning and thunder.

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***Share your answers and thoughts in the comments section***

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