

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.

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a) 1 and 2 only

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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

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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

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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) 2 and 3 only

\n\n

d) 3 only

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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.

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

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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

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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.

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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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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

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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

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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

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3. States having no right to secede from the Union

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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:

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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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1. Cumulonimbus

A dark dull cloud with layers brings 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?

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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.

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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.

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8. d

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

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9. d

\n\n

10. b

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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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