

7. Consider the following pairs:

Noble Gas	Use
1. Helium	: Balloons
2. Krypton	: Fog lights
3. Xenon	: Anesthetic

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

- (a) 1 only
- (b) 2 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

8. Which of the following phenomena are due to refraction of light?

- 1. A straw appearing to be bent when submerged in a glass of liquid.
- 2. A swimming pool appearing shallower than it actually is.
- 3. The stars appear to be twinkling in the night.

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

9. Consider the following statements:

- 1. Chloroplasts are green-colored plastids, which comprise pigments called chlorophyll.
- 2. Chloroplasts are found in all green plants and algae.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

10. Which of the following are the preconditions for the occurrence of the annular Solar Eclipse?

- 1. The moon should be the farthest from the Earth.
- 2. There should be a new moon condition.
- 3. The Moon should be at or very near a lunar node.

Which of the statements given above are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

11. Consider the following statement with reference to the Food and Agriculture Organisation's (FAO) Food Price Index (FFPI):

- 1. It is a measure of the annual change in international prices of a basket of food commodities.
- 2. It uses prices of 2010-11 as base year for its calculations.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

12. Bowman's capsule and glomerulus are associated with which organ of the human body?

- (a) Liver
- (b) Kidney
- (c) Heart
- (d) Lung