

1. The sun in the early morning appears to be red. This is due to
A) Total refraction
B) Internal dispersion
C) Scattering of light
D) Total reflection
2. The side view mirror in a car is a
A) Concave mirror
B) Convex mirror
C) Plain mirror
D) Convex lens
3. Which of the following is not a chemical change?
A) Souring of milk
B) Charring of sugar
C) Sublimation of iodine crystals
D) Rusting of iron
4. Evaporation of water from plants is known as:
A) Dehydration
B) Sublimation
C) Transpiration
D) Vaporisation
5. The acid present in lemon
A) Linoleic acid
B) Hydrochloric acid
C) Citric acid
D) Sulphuric acid
6. Build up of lactic acid in muscles causes
A) Fever
B) Swelling
C) Fainting
D) Cramps
7. The purchase cost of 10 mobile phones is equal to the selling price of 8 mobile phones. The gain percentage is
A) 10%
B) 25%
C) 20%
D) 15%
8. In how many years will a sum of money double itself at 5% simple interest per annum?
A) 30 yrs.
B) 20 yrs.
C) 15 yrs.
D) 10 yrs.
9. The sum of seven numbers is 265. The average of the first three numbers is 33 and the average of the last three is 42. The fourth number is
A) 36
B) 38
C) 39
D) 40
10. Deepa ranks seventeenth in a class of thirty one. What is her rank from the last?
A) 15
B) 14
C) 13
D) 16
11. Euro III norms relates to
A) Mobile phones
B) Standard of living
C) Electrical appliances
D) Automobiles

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web and now that we know what D is we can now solve for A we can now solve for the transformation matrix with respect to the standard basis so to do that we have to figure out C and C^{-1} so C remember C is just the change of basis matrix and all that is is the basis vectors it's just a matrix with the basis vectors in the column

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