JEE Main 2024 Daily Practice Questions

Physics:

Ques. Height of receiving and transmitting antenna in communication of a signal are 245 m and 180 m. Find the maximum distance between the two antenna for proper communication.

1. 104 km

2. 106 km

3. 110 km

4. 112 km

Ques. Electric field due to a small dipole at a large distance is proportional to:

1. r^{-2}

2. r^{-3}

3. r^{-4}

4. r^3

Ques. Find out the ratio of the average translational kinetic energy of H_2 and Argon at temp 30°C.

1. 1:4

2. 1:1

3. 3:5

4. 5:3

Chemistry:

Ques. Find the total change in oxidation number of Mn and iodine when KMnO4 reacts with I⁻ in an acidic medium.

Ques. Ratio of SiO_2 & Al_2O_3 in cement is:

1. 1.5

2. 2.5

3. 3

4. 9

Ques. What is the oxidation state of Cr in Chromyl chloride?

Mathematics:

Ques. Find three digits number divisible by 3 made from digits 1, 3, 5, 8

1. 28

2. 22

3. 18

4. 36

Ques. A bag contains 6 white balls and 4 black balls. A dice is rolled and the number that comes on the dice is equal to number of ball drawn then the probability that all balls are white.

1. 1/5

2. 2/5

3. 4/15

4. 2/15

Ques. The maximum digit is 7 and the sum of the first two digits is equal to the sum of the last two digits. Fid number of 4 digit code.