

JEE Main 2024 Daily Practice Questions

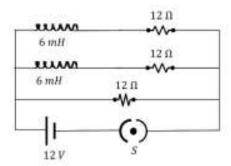
Physics:

Ques. Let Y_1 be the ratio of molar specific heat at constant pressure and constant volume for a monoatomic gas and let Y_2 be this ratio for a diplomatic gas. Find Y_1/Y_2 .

- 1. 21/25
- 2. 7/3
- 3. 25/21
- 4. 3/7

Ques. The distance of Earth from the sun is 1.5X10° km. If the time period of an imaginary planet is 2.83 years, then its distance from the sun comes out to be nX10° km. Find n.

Ques. For the given electrical circuit, the switch 's' is closed at t=0. Find the current (in A) drawn through the battery at a steady state.



Chemistry:

Ques. In which of the following metal extractions both Oxidation and Reduction processes are involved?



2. Cu

3. Fe

4. AI

Ques. Find out the order of reaction of decomposition of $AB_3(g)$ using the given information.

Initial Pressure (mmHg) of AB ₃ (g)	50	100	200	400
t _{1/2} (sec)	4	2	1	5

1. 0

2. 1



3. 2
4. 3
Ques. The number of Peptide bonds present in Tripeptide VAL- PRO- GLY is:
1. 1
2. 2
3. 3
4. 4
Mathematics:
Ques. The sum of the coefficients of the first three terms in the expansion of $(X-3/x^2)^n$ is 376. The coefficient of X^4 is:
1. 695
2. 410
3. 405
<i>4.</i> 395
Ques. Total number of numbers formed using digits 3, 5, 6, 7, and 8 (without repetition) which are greater than 7000, is equal to:
1. 148
2. 168
3. 144
4. 124



Ques. A 5x5 matrix whose each entry is either 0 or 1, is such that the sum of the entries of each column as well as each row is 1. Number of such matrices is:

- 1.30
- 2. 60
- 3. 90
- 4. 120

