

JEE 2023 Session-1 24th Jan to 1st Feb 2023

Application No	
Candidate Name	
Roll No	
Test Date	29/01/2023
Test Time	9:00 AM - 12:00 PM
Subject	B TECH

Section : Physics Section A

Q.1 Match List I with List II:

List I (Physical Quantity)	List II (Dimensional Formula)
A. Pressure gradient	I. $[M^2L^2T^{-2}]$
B. Energy density	II. $[M^2L^{-1}T^{-2}]$
C. Electric Field	III. $[M^2L^{-2}T^{-2}]$
D. Latent heat	IV. $[M^2L^2T^{-2}A^{-1}]$

Choose the *correct* answer from the options given below:

- Options:
1. A-II, B-III, C-IV, D-I
 2. A-III, B-II, C-IV, D-I
 3. A-II, B-III, C-I, D-IV
 4. A-III, B-II, C-I, D-IV

Question Type : MCQ
 Question ID : 3666942007
 Option 1 ID : 3666946202
 Option 2 ID : 3666946204
 Option 3 ID : 3666946201
 Option 4 ID : 3666946203
 Status : Answered
 Chosen Option : 2

Q.2 A car is moving on a horizontal curved road with radius 50 m. The approximate maximum speed of car will be, if friction between tyres and road is 0.34. [take $g = 10 \text{ ms}^{-2}$]

- Options:
1. 22.4 ms^{-1}
 2. 13 ms^{-1}
 3. 3.4 ms^{-1}
 4. 17 ms^{-1}

Question Type : MCQ
 Question ID : 3666942017
 Option 1 ID : 3666946244
 Option 2 ID : 3666946243
 Option 3 ID : 3666946241
 Option 4 ID : 3666946242
 Status : Answered
 Chosen Option : 3

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Thirumalaisamy P.
Velavancorresponding



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