

FORMATIVE ASSESSMENT-I, 2024-25
PHYSICS

Time allowed: One hour

GRADE: X

Max. Marks: 40

Answers to this Paper must be written on the paper provided separately.

You will not be allowed to write during first 15 minutes.

This time is to be spent in reading the question paper.

The time given at the head of this Paper is the time allowed for writing the answers.

Section A is compulsory. Attempt any two questions from Section B.

The intended marks for questions or parts of questions are given in brackets [].

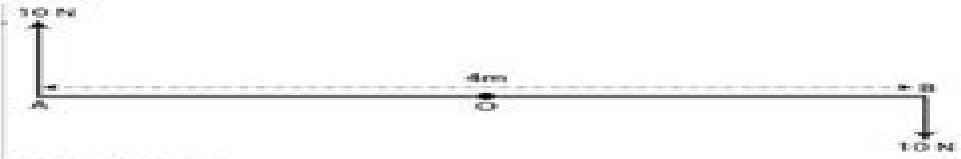
SECTION A

(Attempt all questions from this Section.)

Question 1

Choose the correct answers to the questions from the given options:

[7]

- | | |
|-------|--|
| (i) | <p>Two forces each of magnitude 10N act vertically upwards and downwards respectively at the two ends A and B of a uniform rod of length 4m which is pivoted at its midpoint O as shown. Determine the magnitude of resultant moment of forces about the pivot O.</p> <div style="text-align: center; margin: 10px 0;">  </div> <p> a) 40 N m anticlockwise
 b) 40 N m clockwise
 c) 0
 d) 80 N m anticlockwise </p> |
| (ii) | <p>A particle is thrown upward with some kinetic energy. What happens to its kinetic energy at the highest point or height it reaches.</p> <p> a) Its kinetic energy is lost
 b) Its all kinetic energy is absorbed by air.
 c) Its kinetic energy is converted to potential energy
 d) Its kinetic energy remains same </p> |
| (iii) | <p>With what velocity a student of mass 60kg run so that his kinetic energy becomes 270 J?</p> <p> a) 10m/s
 b) 3m/s
 c) 20m/s
 d) 2.5m/s </p> |

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hey jude was the first beatles song to be recorded on eight track recording equipment the sessions took place at trident studios in central london midway through the recording of the group s self titled double album also known as the white album and led to an argument between mccartney and george harrison over the song s guitar part

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the beatles hey jude arranged string trio of violin viola and cello my arrangement differs to some of the other trio arrangements you may find both on this site and elsewhere i have not simply transcribed it from a piano arrangement i e given the tune to the 1st violin and given broken chords or sustaining notes to the other two

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hey jude is a song by the english rock band the beatles that was released as a non album single in august 1968 it was written by paul mccartney and credited to the lennon mccartney partnership

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on this day the beatles continued working on hey jude which was rehearsed the day before they recorded seventeen takes numbered takes 7 23 at the end of the session two tape reductions were created and a rough stereo mix was made so that george martin could work on the song s orchestral score which would be

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after two days of rehearsals and rough takes spent on hey jude the beatles moved from abbey road to trident studios to benefit from the eight track recording facilities and record the song in a proper way from the beatles monthly book september 1968 n 62 then on the wednesday we moved from emi to trident which

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after two days of rehearsals and rough takes at abbey road and a day of proper recording at trident studios on this day the beatles completed the recording of hey jude still at trident studios to benefit from its eight track recording facilities from 5 pm to 8 pm the beatles added overdubs onto take 1

hey jude song facts recording info and more the beatles bible - Sep 22 2023

mar 15 2008 on 26 july 1968 played the song to lennon for the first time it wasn't until 1987 that mccartney came to discuss hey jude with julian lennon after a chance encounter in a new york hotel the recording notes for hey jude were bought at auction by julian lennon in 1996 for 25 000

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behind the song hey jude by john lennon and paul mccartney - Apr 05 2022

nov 2 2021 the beatles ballad was originally titled hey jules to more directly address julian but mccartney later changed the song to hey jude to fit the sonic direction

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there was no session on friday july 26 as paul mccartney and john lennon finished writing hey jude as reported by the beatles monthly book september 1968 n 62 on friday july 26 john and paul spent most of the day at paul's house putting the final touches to their latest composition hey jude

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web comme exemples d opérations de calcul formel on peut citer le calcul de dérivées ou de primitives la simplification d expressions la décomposition en facteurs irréductibles de polynômes la mise sous formes normales de matrices ou encore la résolution des systèmes polynomiaux

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web au delà des fonctionnalités de calcul formel et de programmation à proprement parler maple permet par exemple de copier et coller dans un traitement de texte les formules mathématiques issues des calculs de tracer des courbes et surfaces ou encore de générer des programmes numériques en langage c il offre un mode console et un

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web factor pour maple le symbole d esigne l expression qui vient d etre calcul ee n n 1 2 de m eme on e ectue facilement les calculs suivants ce qui permet de d evelopper une id ee de la formule g en erale pour la somme $\sum_{i=1}^n i^k$ on a les cas particuliers $\sum_{i=1}^n i$ $\sum_{i=1}^n i^2$ $\sum_{i=1}^n i^3$ $\sum_{i=1}^n i^4$ $\sum_{i=1}^n i^5$ $\sum_{i=1}^n i^6$ $\sum_{i=1}^n i^7$ $\sum_{i=1}^n i^8$ $\sum_{i=1}^n i^9$ $\sum_{i=1}^n i^{10}$

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web maple est un langage de calcul formel mais c est aussi un langage de programmation nous allons voir par exemple si on décide d aller de 2 en 2 for i from 1 to 10 by 2 do i end do 1 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120 5040 362880 4 2 while on utilise la boucle while quand on doit déterminer en cours de route le nombre de répétitions sa