Cantt Public School & College
Momenshahi
Mymensingh Cantt
E-mail : cpscmyn@gmail.com
Tel : Mil-3170
15 Bhadra 1428
30 Aug 2021

Assignment for students participating in HSC Exam 2022 (7th week).

Instructions for submitting assignments:-

I. Examinees and parents must strictly follow the hygiene rules adopted to prevent COVID-19 infection.

II. Examinees will have the assignment ready within 06 (six) days of receipt. Later, if the date of submission of assignment is given to the concerned group, it will be submitted to the institution.

III. Examinees will fill the cover page of the assignment properly.

MD NAZIB MAHMUD SHAJIB
Lt Col
Principal

Attch :

Assignment for students participating in HSC Exam 2022 (7th week).

Distr :

Act :

Examinees participating in the HSC examination of 2022.
Class teachers (all) of 2022 HSC candidates.
Teachers, teacher assistants and staff involved in accepting and distributing assignments.

Info :

Parents of the candidates participating in the 2022 HSC examination.
College Co-Ordinator
Assistant Headmaster
Admin Officer
Office Super

Assignment for H.S.C. candidates-2022

Subject: Physics Paper: 2nd Subject Code: 175 Level: HSC

<table>
<tr><th>Assignment No.</th><th>Assignment</th><th>Learning outcome</th><th>Instruction</th><th>Evaluation Instruction</th><th>Comments</th></tr>
<tr>
<td>04

2nd Chapter

Static electricity.</td>
<td>Title: Problems related to capacitor of a capacitance and stored energy.

(A) The two ends of a parallel plate capacitor are connected to the two ends of a battery with an electromotive force V. If the capacitance of the capacitor is C and the area of each plate is A, what is the value of charge per plate?

(B)How much energy will be expended from the battery in this process?

(C) What is the value of energy stored in the capacitor?

(D) If the answers given by yours (B) and (C) are different, explain the reason. If not different, then explain also.

(E) If the charging capacitor is disconnected from the battery and the distance</td>
<td>. Be able to explain the capacitor and capacitance.

.Be able to measured the stored energy of a capacitor.</td>
<td>Chapter Static electricity.</td>
<td>
<table>
<tr><th>Marks interval</th><th>Comments</th></tr>
<tr><td>13-16</td><td>Very Excellent</td></tr>
<tr><td>11-12</td><td>Excellent</td></tr>
<tr><td>8-10</td><td>Good</td></tr>
<tr><td>less than 8</td><td>Progress is needed</td></tr>
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	between the two plates is doubled, in this case what is the potential difference between the two plates? (F) How much energy is stored in the capacitor in the last condition? (G) This time to explain the reason for the different value of energy . Explaining the validity of Your's answer by comparing it to the expansion of a spring.				