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17 Aug 2021

Assignment for students participating in HSC Exam 2021 (4th 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 2021 (4th week).

Distr :

Act :

Examinees participating in the HSC examination of 2021.
Class teachers (all) of 2021 HSC candidates.
Teachers, teacher assistants and staff involved in accepting and distributing assignments.

Info :

Parents of the candidates participating in the 2021 HSC examination.
College Co-Ordinator
Assistant Headmaster
Admin Officer
Office Super
Account Sec:

Assignment for H.S.C. candidates-2021

Subject: Physics Paper: 1st Subject Code: 174 Level: HSC

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<tr><th>Assignment No.</th><th>Assignment</th><th>Learning outcome</th><th>Instruction</th><th>Evaluation Instruction</th><th>Comments</th></tr>
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<td>3
4th Chapter Title: Newtonian Mechanics</td>
<td>Title: Analysis of the relationship between Newton's laws of motion and the action of different types of force.
 
Fig-1
In Fig - 1, the surface is bent at a 30 angle a block of mass 50kg is being picked up by the rope in uniform acceleration.
(a) Draw a figure of which forces is working on the block.
(b) To analyze what Newton's motions are working and how they are being applied to move the block from static to dynamic.
(c) Reach the middle position and if the block continues to descend due to special reasons, draw a figure of which force is acting on the block even in this condition.
(d) Show through a graph how the perpendicular reaction force changes with the</td>
<td>. Be able to explain the intuitive concept of the force.

.Explain the relationship between Newton's laws of motion.

.Be able to use Newton's law of motion</td>
<td>. In the case of (a) and (c) all the action on the block must show the direction of action and reaction of the force component.

. In case of (d) at least 5 acceptable values of angles should be taken for drawing the graph. (Values can be taken between 15 ° - 75.)</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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	inclined angle. (e) Increasing the angle of inclination to 45 will make it easier or harder to lift the block, determined the reason mathematically. In this case the force of friction is 10 N. (f) The value of the force applied by the rope for special reasons decreases to 138N after the block reaches near the top. At this stage the block tends to descend in uniform acceleration. Determining this uniform acceleration. What will be the velocity of the block after the first 3 sec in case of descent? In this case assume the friction force is 7N.				

Assignment for HSC candidate -2021

Subject: Chemistry Paper: 1st Subject Code: 176 Level: HSC

Assignment No.	Assignment	Learning outcome	Instruction	Evaluation Instruction					Comments
3 3rd Chapter Periodic properties & bonding in elements	Classification of elements & Periodic properties	1. We can Classify (s,p,d&f-block) the elements based on electronic configuration. 2. We can explain periodicity of different properties of the elements. 3. We can explain effects of atomic size, nuclear charge & electronic configuration on the ionization energy, electronegativity, electron affinity.	a)Classification of elements based on electronic configuration in periodic table. b) Explain the ionization energy of same periods in periodic table. c) Explain the change of electron affinity of same groups in periodic table. d) Explain the effects of different factors on electronegativity of elements.	Indicating	Scoring Criteria/Rubrics				Score	
					4	3	2	1		
				a) Explain with suitable examples of s, p, d, & f block elements.	Exact Explana - tion of block elements	Almost Exact Explanation of block elements.	Partial Expl - anation of block elements.	Explanation of only one block elements.		
				b) Explain the exception of Ionization potential/energy of 2nd periods elements .	Exact Explanation of Ionization potential/energy,	Almost Exact Explanation of Ionization potential/energy.	partial Explanation of Ionization potential/energy	Ionization potential/energy		
				c) c) Explain the Electron affinity & discuss the order of electron affinity of F, Cl, Br, & I elements .	Exact Explanation of electron affinity & discuss the order of electron affinity	Almost Exact Explanation of electron affinity & discuss the order of electron affinity	partial Explanation of electron affinity & discuss the order of electron affinity	Electron affinity/ order of electron affinity.		
				d) d) Explain the effects of atomic size, nuclear charge & electronic configuration on the electronegati - vity of 2nd & 3rd periods elements.	Exact Explanation of effecting factors.	Almost Exact Explanation of effecting factors.	Partial Explanation of effecting factors.	Explanation of one effecting factors.		
				Total marks for assignment=16				total		
				N.B. Exact=80% or more, Almost=60-79% Partial=50-59% Incomplete= less than 50%						

Marks interval	Comments
14-16	Very Excellent
11-13	Excellent
8-10	Good
7 or less than 7	Progress is needed