
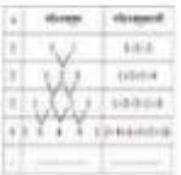


Assignment / Selected Task on the basis of rearranged syllabus due to COVID-19, 2021.

English Version

Class: X-EV

Subject: General Mathematics

Assignment no	Assignment	Learning outcome	Instruction	Assessment Rubrics				
				Question.	Instruction	Number		
02.	<p>Figure-01</p>  <p>Figure-02</p> 	<p>1. Be able to describe sequence and series and distinguish between them.</p> <p>2. Be able to explain the parallel series.</p> <p>3. Be able to determine the sum of squares and cubes of natural numbers.</p> <p>4. Be able to formulate formulas for determining the sum of the most specific terms and a certain number of terms in the geometric series and solve mathematical problems by applying formulas.</p>	01(a). Construct the 10th figure and determine the number of coins. (Draw an image on the data and place the number of coins)	Question.				
				01(a)	If student can form the correct image and determine the correct number of coins.	02		
						01(a)	If student can determine the right image or the right number of coins.	01
						01(b)	If student can form general formula from the number of coins in n-th image by converting the numbers into a series.	02
						01(b)	If student can convert coins into series.	01
						02(a)	If student can determine the exact numbers of the 2 nd column and if the sum of n-th row supports 2 ⁿ	02
						02(a)	If student can determine the exact numbers of the 2 nd column	01
						02(b)	If student can make a sequence of the sum of each row and determine the correct row	04
						02(b)	If student can form the correct series, summation formula and correct equation.	03
						02(b)	If student can write the correct sequence and summation formula.	02
						02(b)	If student can form the right series.	01

			<p>03.If $\sum_{k=1}^n k^2 = 784$. (where $n \in \mathbb{N}$) then find the value of $\sum_{k=1}^n k^2$.</p> <ul style="list-style-type: none"> For $n \in \mathbb{N}$ form a series of cubes of natural numbers. Use the value of n to the sum of the squares of the natural numbers. 	03.	<ul style="list-style-type: none"> If student can determine the exact value of $\sum_{k=1}^n k^2$ in the given data. Using the given information if student can determine the exact value of n and write the formula for the sum of $\sum_{k=1}^n k^2$. If student can determine the exact value of n using the information provided. If student can write the summation formula of $\sum_{k=1}^n k^3$ correctly. 	<p>04</p> <p>03</p> <p>02</p> <p>01</p>

Assignment / Selected Task on the basis of rearranged syllabus due to COVID-19, 2021.

English Version

Class: X-EV

Subject: Business Entrepreneurship

Assignment	Chapter and Topic Title	Included topic and number in the syllabus	Assignment / Selected Task	Instruction	Assessment Rubrics
Scheduled Tasks - 1	Chapter:01 Introduction to Business	Influence of elements of the business environment on industry In Bangladesh	Be able to explain the concept of business. Identify the elements of the environment that influence the business.	<ol style="list-style-type: none">1. The concept of Business2. The concept business environment3. Business environment of Bangladesh	Follow the Board direction.

Assignment for the students participating SSC examination in 2022.

English Version

Subject: Physics

Subject Code: 136

Level: SSC

Assignment No.	Assignment	Learning Outcome	Instruction (Hints / Step / Area)	Assessment Criteria (Rubrics)																		
01	<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 50%;">Time (s)</th> <th style="width: 50%;">Distance (m)</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr> <tr><td style="text-align: center;">1</td><td style="text-align: center;">1</td></tr> <tr><td style="text-align: center;">2.5</td><td style="text-align: center;">6.25</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">9</td></tr> <tr><td style="text-align: center;">4.5</td><td style="text-align: center;">20.25</td></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">25</td></tr> <tr><td style="text-align: center;">6</td><td style="text-align: center;">36</td></tr> <tr><td style="text-align: center;">7.5</td><td style="text-align: center;">56.25</td></tr> </tbody> </table> <p>Determination of velocity and acceleration from the time-distance graph by using the above data.</p> <p>a. Draw the time-distance graph and determine the velocities at different positions.</p> <p>b. Draw the time-velocity graph by using the velocities obtained from the graph of question “a”. Determine the slopes at different points and give your opinion.</p> <p>c. Draw the time-acceleration graph by using the values of accelerations obtained from question “b”. Justify whether the graphs obtained from “a”, “b” and “c” are same or not?</p>	Time (s)	Distance (m)	0	0	1	1	2.5	6.25	3	9	4.5	20.25	5	25	6	36	7.5	56.25	<p>Will be able to analyze the relations among different terms related to motion with the help of the graphs.</p>	<p>Follow the part mentioned in your text book on page 50-52.</p>	<p>(a) 05</p> <ul style="list-style-type: none"> • If student can't draw any graph – 00 • If student draw only graph - 01 • If student can indicate the different values of different terms (time-distance) on both axes properly - 02 • If student can select/choice the value of each small square on graph paper by indicating the values of different terms (time-velocity) on both axes properly - 03 • If most of the determined velocities are correct. - 04 • If the values of velocities are correct by fulfilling all the above conditions - 05 <p>(b) 03</p> <ul style="list-style-type: none"> • If student does not give any appropriate answer – 00 • If student can draw the graph properly - 01 • If student can determine the slopes- 02 • If student can give their opinion by determining the slopes- 03 <p>(c) 02</p> <ul style="list-style-type: none"> • If student does not give any appropriate answer – 00 • If student can draw the graph properly - 01 • If student can write appropriate reasons- 02
Time (s)	Distance (m)																					
0	0																					
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