Assignment for SSC Examinees, 2021

Subject: Chemistry

Subject Code: 137

Level: SSC

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)		Asse	ssment Criterion /	Rubric		Level:	Com'
	Observation of chemical	Students' will be	• Has to take the	Indicator		Rating Sea	nle		Score	1000
03	reaction, Chemical	Able to explain	precautions	a) Use of	4	3	2	1	Score	
Chapter Three:	equation and description of the identification method of produced gas and determination of the molecular mass of washing	atomic number, mass number and relative atomic number	while performing works	experiment materials	Has used the proper experiment materials appropriately with precautions and drawn the figure	Has used the proper experiment materials appropriately and drawn the figure	Has used the proper experiment materials appropriately	Has Drawn the experiment figure		
	a) Take one tablespoon of washing soda or baking soda in a transparent glass	Able to calculate the relative molecular mass from relative atomic mass	•The matters that should be in the report- •Use of experiment materials with	b) Observation of chemical changes during experiment	Has described the reaction with the name of reactants and produced compounds and written the equation properly	Has described the reaction with the name of reactants and produced compounds	Has written correct chemical equation	Has written the produced compounds		
Periodic Table	b) Add two tablespoons of vinegar or lemon juice with it c) Observe the changes. Prepare a report on chemical equation of reaction,	• Able to explain the same properties of compounds formed by elements of same group in the precautions • Chemical equation by observing chemical changes	Able to explain the same croperties of compounds common by common	c) Identification of produced gas	Has written the physical and chemical methods of identification of produced gas with name and also chemical equation properly	Has written chemical method of identification of produced gas with name and also chemical equation properly	Has written the physical methods of identification of produced gas with name	Has identified the produced gas		
1	identification method of produced gas and determination of the molecular mass of washing soda or baking soda.	Able to take precautions during	of produced gas and chemical equation • Determination of the molecular mass of main elements of washing soda or	d) Determination of the molecular mass of main elements of washing soda or baking soda.	Has calculated the relative molecular mass of corresponding compound properly by mentioning the relative atomic mass	Has calculated the relative molecular mass of corresponding compound properly	Has calculated the relative molecular mass of corresponding compound briefly	Has mentioned the relative molecular mass of corresponding compound		
		experiment	baking soda.		Total	rks for this assignm	The area	Total		

Marks Obtained	Comments		
13-16	Excellent		
11-12	Very good		
08-10	Good		
0-07	Needs improvement		

Assignment for SSC Examinees, 2021

Subject: Higher Mathematics

Subject Code: 126

Level SSC

Assignment				Subject	ode. 120				Level:	SSC
Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)			Assessment Cr	iterion /Rubric			C
03 Chapter	The solution of radian measurement and degree measurement	Students will be able to:	Students will answer in the following manner:	Indicator	Maria Miles	Ratio	ng Scale		Score	
Eight	related problems:	1. Explain the	a. Determine the		4	3	2	1		
Trigonometry	Mr. Ratul in his regular morning walk makes a round of a circular park	concept of radian measurement.	angle created at the centre of the park with the distance which Mr. Ratul	а	Expressed in degree.	Found the value of the angle in the radian.	Found the distance.	Found the radius of the park.		
,	of two kilometers circumference maintaining equal velocity. He starts his round at 6.45 and finishes at 7.25 in the	the relation between radian measurement and degree measurement.	covers right at 7 am in the morning. b. Express the angle between minute and hour hands of the clock	b	Expressed in radian	Found the angle between two hands of the clock in degree.	Found the difference between the two hands of the clock.	Identified the position of the hour hand at the start of walk.		
	morning.	of his walk. c. Explogic angle will be not if walks distant	in radian at the time of his start of the walk. c. Express your logic whether the angle at the centre will be changed or not if someone walks the equal distance of the radius throughout	c	Analyzed the result and then expressed the opinion.	Established the relation between arc of the circle and central angle produced by arc.	Showed through the radius, the arc equal to radius and the length of the arc produced right angle at the centre into the radius.	Drew the graph necessary to express opinion		
			the circumference					Total-	Score	
			of the circle.		To	tal marks for this	s assignment: 12			

Marks Obtained	Comments				
10-12	Excellent				
08-09	Very good				
06-07	Good				
00-05	Needs improvement				

Assignment for SSC Examinees, 2021

Subject: Phy	sics		Subject Code: 136						Level:	SSC
Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)		Asses	sment Criteri	on /Rubric			Com'
	The story of renewable energy	Students will	Follow the							EUREIS
4	Hydroelectricity is one of the ancient sources	be able to	text on	Indicator		Rating	Scale			
Chapter 04:	of energy that is used to generate electricity around the world, especially in remote areas.	analyze the	pages 110-		4	3	2	1	Score	
Work, Power and Energy	As there are many rivers, the possibility can be exploited in Bangladesh as well. The	of major sources of	112 of the textbook.	a) Concept of potential energy				If Students can write the name of position		
	figure shows a hydroelectric power station Dam Turb -ine Lake	energy considering the economic, social and environment al impact.	Follow the text on pages 119-120 of the textbook.	b) Determination of efficiency			If Students can determine efficiency with correct unit	If Students can write the equation by identifying the different quantities to determine the efficiency		
	Tower	Students will be able to explain		c)Transformati on of one unit of energy from another.				If Students can transform one unit of energy from another.		
	Fig: A hydroelectric power station a) Which position in the figure has the minimum potential energy of water? In 30 minutes, water loses 5.0 X 10° J energy and generates 4.5 X 10° J electric energy b) Determine the efficiency of energy transformation.	Students will be able to measure efficiency.		d) Contribution of major sources of energy considering the environmental impact.			Comparative analysis mentioning good effects and bad effects on the environment	If Students can mention only good impacts on the environment		
	c)Express 4.5 X 10°J electric energy in Watt (W) unit. d) Analyze the impact of hydroelectric plants on the environment of Bangladesh. e) What kind of energy is hydroelectricity? Create a chart describing the economic, social and environmental impacts of such other forces.			The contribution of energy sources in considering the economic, social and environmental impact	If Students can create a chart describing the economic, social and environmental impacts of all the energy mentioned in the textbook.	If Students can describe the economic, social and environmen tal impact of at least two forces	If Students can write the name of other sources.	If Students can write what kind of energy is hydroelectricity		
	3 1 1 2 2 2 2 2 2					Livo Ioroes		Total-		
					Total m	arks for this ass	ignment:10			

Marks Obtained	Comments
09-10	Excellent
07-08	Very good
05-06	Good
0-04	Needs improvement