



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
মাধ্যমিক ও উচ্চ শিক্ষা অধিদপ্তর
বাংলাদেশ, ঢাকা
www.dshe.gov.bd



স্মারক নং- ৩৭.০২.০০০০.১০৭.৩১.৪১.২০২২-২৩৮

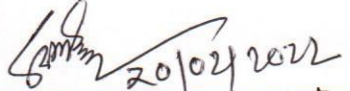
তারিখ: ২০/০২/২০২২ খ্রি.

বিষয়: ২০২২ শিক্ষাবর্ষে ৬ষ্ঠ থেকে ১০ম শ্রেণির শিক্ষার্থীদের অ্যাসাইনমেন্ট (ইংরেজী ভার্সন) বিতরণ।

সূত্র: এনসিটিবি'র স্মারক নং- ৩৭.০৬.০০০০.৪০৩.২২.০০১.১৯/৩১৩; তারিখ: ১০ ফেব্রুয়ারি, ২০২২ খ্রি.

উপর্যুক্ত বিষয় ও সূত্রসমূহের আলোকে সকলের অবগতির জন্য জানানো যাচ্ছে যে, কোভিড-১৯ অতিমারির কারণে শিক্ষা মন্ত্রণালয়ের নির্দেশনায় জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড (এনসিটিবি) কর্তৃক ২০২২ সালেও ৬ষ্ঠ থেকে ১০ শ্রেণির শিক্ষার্থীদের জন্য ব্রিঙ্কসহ অ্যাসাইনমেন্ট প্রণয়ন করা হয়েছে। এমতাবস্থায়, ২০২২ শিক্ষাবর্ষের ৬ষ্ঠ থেকে ১০ম শ্রেণির শিক্ষার্থীদের জন্য গ্রিড অনুযায়ী প্রণয়নকৃত **অ্যাসাইনমেন্ট (ইংরেজী ভার্সন)** বিতরণ করা হলো। বিতরণকৃত অ্যাসাইনমেন্ট শিক্ষার্থীদের প্রদান ও গ্রহণের ক্ষেত্রে স্বাস্থ্যবিধি সংক্রান্ত বিধি-নিষেধ যথাযথভাবে অনুসরণপূর্বক প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য সংশ্লিষ্ট সকলকে নির্দেশক্রমে অনুরোধ করা হলো।

সংযুক্ত: গ্রিড ও অ্যাসাইনমেন্ট (ইংরেজী ভার্সন)


(প্রফেসর মোহাম্মদ বেলাল হোসাইন)

পরিচালক (মাধ্যমিক)

ফোন: ০২-৪১০৫০২৮৫

বিতরণ:

- ১। উপপরিচালক (সকল), মাধ্যমিক ও উচ্চ শিক্ষা, সকল অঞ্চল
- ২। জেলা শিক্ষা অফিসার, সকল জেলা
- ৩। উপজেলা/থানা মাধ্যমিক শিক্ষা অফিসার, সকল উপজেলা/থানা
- ৪। অধ্যক্ষ/প্রধান শিক্ষক.....

অনুলিপি ও সদয় জ্ঞাতার্থে (জ্যেষ্ঠতার ক্রমানুসারে নয়):

১. সচিব, শিক্ষা মন্ত্রণালয়, মাধ্যমিক ও উচ্চ শিক্ষা বিভাগ, বাংলাদেশ সচিবালয়, ঢাকা
২. চেয়ারম্যান, জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, ঢাকা
৩. চেয়ারম্যান, মাধ্যমিক ও উচ্চ মাধ্যমিক শিক্ষা বোর্ড, সকল
৪. জেলা প্রশাসক, সকল জেলা
৫. সিনিয়র সিস্টেম এনালিস্ট, ইএমআইএস সেল, মাধ্যমিক ও উচ্চ শিক্ষা অধিদপ্তর, বাংলাদেশ, ঢাকা
[অ্যাসাইনমেন্টটি মাউশি অধিদপ্তরের ওয়েবসাইটে প্রকাশের অনুরোধসহ]
৬. উপজেলা নির্বাহী অফিসার, সকল উপজেলা
৭. পিএ টু মহাপরিচালক, মাধ্যমিক ও উচ্চ শিক্ষা অধিদপ্তর, বাংলাদেশ, ঢাকা
৮. সংরক্ষণ নথি

শ্রেণি: ষষ্ঠ, সপ্তম ও অষ্টম

শিক্ষাবর্ষ: ২০২২

স্তর: মাধ্যমিক

[illegible]

Assignment for Students of 2022 Academic Year

Subject: English
Class: 6-10

Assignments of the 3rd week for class VI, VII, VIII, IX & X

Class VI, VII, VIII

Subject:

Bangla

Science

Class IX, X

Subject:

Bangla 1st, BE, Chemistry

Assignment for Students of 2022 Academic Year

Subject: English

Class: 6

Ass. No:	Assignment (With Title)	Learning Outcome/ Content	Guidelines for Writing Assignment (Steps/Stages)	Assessment Criteria/Rubrics							Comm ent	
01	A conversation with a doctor about sickness	Students will be able to- - participate in short dialogues and conversation on familiar topics - use punctuations accurately	One of your family members has been sick. You have found some health problems in him/her such as: - Fever - Headache - Body Pain - Cough Now, write a conversation with a doctor. Your conversation should include the following points - - Questions & Answers - Health problems - Health & hygiene - Remedies - W/H & Yes/No questions - Proper punctuations (Note: Your conversation must contain 5 questions and their answers or 10 exchanges of statements. Fragmented sentences like: ‘Hi/Hello? Yes/No/Very Good/Thank You/ Welcome/ Bye’ will not be counted as sentence)	Indicator		Rating Scale					Score	
						4	3	2	1	0		
				A	Organization (Proper questions and their answers)	All 5 questions and their answers with greetings and closing	4 questions and their answers with greetings and closing	3 questions and their answers with greetings and closing	2 or below questions and their answers with greetings and closing	No develop ment of question and answers	4	
				B	Relevant content (Cohesion and cohesiveness)	The contents are meaningful and relevant	Contents are mostly meaningful and relevant	Some contents are meaningful and relevant with some errors.	Contents are rarely meaningful and relevant with many errors.	No content is covered	4	
				C	Proper use of words.	Words are used appropriately with the ability to make W/H and Yes/No questions.	Words are used appropriately in most cases with the ability to make W/H and Yes/No questions.	Words are used appropriately in some cases with the ability to make W/H and Yes/No questions.	Words are poorly presented with no question and answers	No question and answer	4	
				D	Mechanical Accuracy (Spelling, punctuations & grammar)	There are no error with spelling, punctuation and grammar	There are only a few errors with spelling, punctuation and grammar	There are several errors with spelling, punctuation and grammar	There are lots of errors with spelling, punctuation and grammar	No use of spelling, punctuat ion and grammar	4	
				Total								16
				Assigned Number for the Assignment								
				Number obtained after conversion to number 10								

Marks Range	Comment
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Need Improvement

Assignment for Students of 2022 Academic Year

Subject: English

Class: Seven

Ass. No:	Assignment (With Title)	Learning Outcome/ Content	Guidelines for Writing Assignment (Steps/Stages)	Assessment Criteria/Rubrics							Comment	
01	Writing an informal letter to a friend inviting her/him to attend your birthday party with a map that shows the way to your home.	Students will be able to- - follow instructions, commands, requests, announcements and act accordingly - write informal letters. Unit 1: Attention, please (English for Today)	Please note: You have to write to a friend who lives in another district Now, you have to- ➤ sketch a map from the nearest bus/train/launch station to your home ➤ mention the turning points and road names ➤ describe the instructions from the station to your home ➤ mention features of an informal letter (Heading, Greeting/ Salutation, Body, Complimentary Closing, Envelop with Address; Go to page: 197, 243 of your English Grammar and Composition Textbook)	Indicator		Rating Scale					Score	
						4	3	2	1	0		
				A	Map Sketching	All the key points and road names are rightly mentioned	Most of the key points and road names are rightly mentioned (1½ key points are not clear)	Some key points and road names are rightly mentioned but not clear	A few key points and road names are haphazardly mentioned (many key points are not clear)	Not clear at all		
				B	Description of Map	The description is clear	The description is mostly clear	The description is clear to some extent	The description is hardly clear	The description is not clear		
				C	Features of an Informal Letter (Heading, Greeting/ Salutation, Body, Complimentary Closing, Envelop with Address)	All features with content/body are clearly mentioned	All features are mentioned but content/body is mostly clear	Some features are mentioned but content/body is clear to some extent	Features and content/body are hardly clear	No feature and content/body is mentioned		
				D	Accuracy (Grammar & Punctuations)	Sentences are grammatically correct with punctuations	Most of the sentences are grammatically correct with punctuations	Some of the sentences are grammatically correct with punctuations	A few of the sentences are grammatically correct with punctuations	None of the sentences are grammatically correct		
				Total							16	
				Assigned Number for the Assignment								
				Number obtained after conversion to number 10								

Marks Range	Comment
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Need Improvement

Assignment for Students of 2022 Academic Year

Subject: English

Class: Eight

Ass. No:	Assignment (With Title)	Learning Outcome/ Content	Guidelines for Writing Assignment (Steps/Stages)	Assessment Criteria/Rubrics							Comment
01	A recipe of any nutritious home-made food with the ingredients available at your home by answering the given questions in the guidelines.	Students will be able to write answers to questions (Unit 2: Food and Nutrition)	To get stronger immunity it is important to eat nutritious food. Write a recipe of a nutritious home-made food that can be made with the ingredients available at your home. Answer the following questions: a) What is the name of the dish? b) What are the ingredients that are required to prepare the dish? c) Write in detail about the process of preparing the dish. d) What is the nutritive value of the dish you have prepared?	Indicator		Rating Scale					Score
						5	4	3	2	1	
				A	Relevance	The answers are well supported by detailed and relevant information	The answers are moderately correct supported by some information	The answers are partially correct with a little information	The answers are mostly wrong with no relevant information	The answers are completely wrong	
				B	Word Choice	The student uses varied words. The choice of words is accurate and appropriate	The words are meaningful but at times seem inappropriate for subject matter	The words are mostly inaccurate and lack variety	The words show limited range of vocabulary	The choice of words is completely wrong.	
				C	Organization	Student sequences information and ideas logically and cohesively	Most of the information and ideas are sequenced logically and cohesively	Student’s response shows some organization but lacks overall progression	Student’s response is merely organized with weak cohesion	Student’s response is unorganized with no cohesion	
				D	Accuracy (Spelling, punctuations & grammar)	Grammatically correct sentences with proper punctuation and spelling	Most of the sentences are grammatically correct with some errors in punctuations and spelling	Some sentences are grammatically correct with many errors in punctuation and spelling	Most sentences are grammatically incorrect with misspellings and wrong punctuation	No accuracy in grammar, spelling and punctuation	
				Total							20
				Assigned Number for the Assignment							
				Number obtained after conversion to number 10							

Marks Range	Comment
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Need Improvement

Assignment for Students of 2022 Academic Year

Subject: English

Paper: One

Subject Code: 107

Class: Nine

Ass. No:	Assignment (With Title)	Learning Outcome/Content	Guidelines for Writing Assignment (Steps/Stages)	Assessment Criteria/Rubrics							Comment
01	Influence of Bangabandhu's leadership qualities in personal life	Students will be able to- - exchange personal information - read and demonstrate understanding texts through silent reading	Read and complete the activities of Unit 1 from your text book - English For Today. -Identify some leadership qualities of Bangabandhu Sheikh Mujibur Rahman. It could be leadership in the war of independence, establishing diplomatic ties with other countries, honoring mother tongue or any other areas. - Every time you identify a quality, state how it influences you personally. - You can state a quality and then show how it influences you or make a list of qualities and then show how each of them influences you.	Indicator		Rating Scale					Score
						4	3	2	1	0	
				A	Content	The learner identifies diverse leadership qualities of Bangabandhu and shows how they could influence him/her.	The learner identifies a few leadership qualities of Bangabandhu and shows how they could influence him/her.	The learner identifies a few leadership qualities of Bangabandhu but could not show how they influence him/her.	X	X	
				B	Spelling	There is no spelling error.	There are occasional spelling errors.	There are frequent spelling errors.	X	X	
				C	Organization	The presentation is well organized.	The presentation is mostly organized.	X	The presentation is hardly organized.	The presentation is not organized at all.	
				D	Language Accuracy	All sentences are grammatically correct.	Most of the sentences are grammatically correct with occasional errors.	There are frequent grammatical errors.	There are grammatical errors almost in every sentence.	None of the sentences are grammatically correct.	
				Total							
				Assigned Number for the Assignment							16
				Number obtained after conversion to number 10							

Marks Range	Comment
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Need Improvement

Assignment for Students of 2022 Academic Year

Subject: English

Paper: First

Subject Code: 107

Class: Ten

Ass. No:	Assignment (With Title)	Learning Outcome/Content	Guidelines for Writing Assignment (Steps/Stages)	Assessment Criteria/Rubrics							Comment		
01	A fact file* on ‘important dates in the history of Bangladesh.’ *Fact File: A fact file is a collection of information about a particular subject.	Students will be able to- • read and understand texts through silent reading; • narrate incidents and events in a logical sequence. Unit 1: Father of the Nation	1. Go through all the lessons of Unit 1 and complete the activities. 2. Identify the important dates and events and organize them sequentially in a timeline**. 3. Describe the events briefly. 4. Add pictures related to the events. **Timeline: A timeline is a display of a list of events in a chronological order. Here is an example for you. May, 1971 [Use your picture] What had happened: • Pakistan Army set fire to Bangabandhu’s Tungipara home • A young man was shot for protesting the fire to Bangabandhu’s home	Indicator		Rating Scale					Score		
						4	3	2	1	0			
				A	Identification of Dates	16 dates from the textbook are identified.	At least 12 dates from the textbook are identified.	At least 8 dates from the textbook are identified.	X	Less than 8 dates from the textbook are identified.			
				B	Contents	Contents correctly mention what had happened on the dates identified.	Contents mostly mention what had happened on the dates identified and they are correct.	Contents mention half of the events what had happened on the dates identified.	Contents mention a few events what had happened on the dates identified.	Information missing.			
				C	Presentation	Presentation is neat and clean with logical use of pictures.	Presentation is neat and clean but the pictures are insufficient /blurred.	Presentation is either messy or the pictures are not good.	X	X			
				D	Grammatical Accuracy	The language of the assignment is error free.	The assignment has occasional grammatical errors.	The assignment has frequent grammatical errors.	X	None of the sentences are grammatically correct.			
				E	Spelling	The spelling of the assignment is error free.	The assignment has occasional spelling errors.	The assignment has frequent spelling errors.	There are spelling errors almost in every sentence.	X			
				Total									
				Assigned Number for the Assignment									20
				Number obtained after conversion to number 10									

Marks Range	Comment
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Need Improvement

Assignments for the Learners of 2022 Academic Year

Subject: Mathematics

Class: Six to Ten

Assignments for the Learners of 2022 Academic Year

Subject: Mathematics

Class: Six

Ass. no.	Assignment title	Learning outcome/s	Guidelines for the assignment (steps/scopes/cues)	Assessment rubrics					Comm't											
01	Title: Solving Mathematical problems related to natural numbers with the help of lottery.	Chapter 1: (Natural Numbers & Fractions) • Enumerate the natural numbers • Read by enumerating in national and international system • Determine Prime, Composite and Co-Prime numbers • Explain divisibility • Verify the divisibility by 2,3,4,5,9 • Find H.C.F and L.C. M of natural numbers	Write the natural numbers from 10 to 30 in small pieces of paper. Fold those papers and put them in a box. After that, like lottery pick one by one and follow the steps below: • Separate the prime and composite numbers. Write them in your exercise book following the box below: <table><tr><td>Prime Numbers</td><td>Composite Numbers</td></tr><tr><td></td><td></td></tr></table> • Now put all the pieces of paper in the box again. (Note: From now onwards, the • e picked pieces of paper cannot be put in the box again.) • Now pick two pieces of paper through lottery. Write down the numbers in your exercise book following the box given below and determine whether the numbers are co-prime or not. <table><tr><td>1st Number</td><td>2nd Number</td><td>Co-Prime (Yes/ No)</td></tr><tr><td></td><td></td><td></td></tr></table> • Now pick three pieces of paper through lottery. Place the numbers side by side and form the smallest and largest number of six digits. (Ex: (12) (22) (24) these three numbers form a six digit number 122224. Do not use this number in your assignment) • Write the smallest and largest number of 6 digits in national and international system. • Now pick two numbers from the three numbers you picked earlier. Place them side by side to form the smallest number of 4 digits. • Check whether the formed smallest number is divisible by 2, 3 and 4 or not. • If required, take help from page 8 and 9 of your textbook. • Again take three numbers from the box in a way that there is at least one prime number. • Determine the L.C.M of the numbers following any method mentioned in the textbook. • Determine the H.C.F of the numbers following any method mentioned in the textbook.	Prime Numbers	Composite Numbers			1 st Number	2 nd Number	Co-Prime (Yes/ No)				Indicators	Performance Criteria					
				Prime Numbers	Composite Numbers															
				1 st Number	2 nd Number	Co-Prime (Yes/ No)														
					4	3	2	1	0											
				a) Determining the Prime and Composite Numbers.		If written in the exercise book correctly	If Prime and Composite numbers are identified	If Prime or Composite numbers are identified												
				b) Determining Co-Prime numbers			If Co-Prime number is identified correctly	If the given box is mentioned												
				c) Expressing the formed number in national and international system in writing	If the correct expressions of the largest and smallest number of 6 digits are found in both national and international system.	If expressed correctly in national or international system	If the largest and smallest numbers of 6 digits are formed	If the largest or smallest number of 6 digits is formed												
				d) Checking whether the numbers are divisible by 2,3 or 4.	If the smallest number is determined properly and the divisibility of it by 2,3 and 4 is shown .	If the divisibility of the smallest number is shown by using at least two numbers.	If the divisibility of the smallest number is shown by using 2 or 3 or 4.	If the smallest number of four digits is formed.												
e) Determining the H.C.F and L.C.M of all the three numbers.	If the proper solution is done.	If the correct H.C.F and L.C.M is determined.	If the correct H.C.F or L.C.M is determined. (any one)	If the composite number is identified.																
Total																				
Assigned number of assignment					17															
Marks obtained after conversion to 10																				

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Mathematics

Class: Seven

Ass. no.	Assignment title	Learning outcome/s	Guidelines for the assignment (steps/scopes/cues)	Assessment rubrics						Comn't
01	Chapter 1: Rational and Irrational Numbers Concept of rational and irrational numbers. Determining square roots of different types of numbers	1. Identify rational and irrational numbers. 2. Determine the square roots by the methods of factorization and division. 3. Solve real life problems by applying the methods of determining the square roots.	While arranging 1080 students of Amina Begum High School for the daily assembly, the teacher found out that they can't be assembled in form of a square. a) $\sqrt{24}, \sqrt{7}, 0, 5, \sqrt{25}/16$ Identify the rational and irrational numbers and write down the logic. b) At least how many students should be added to assemble the students' group in form of a square? c) What is the smallest integer by which the number of students can be divided to get a perfect square number? d) Determine the square root of the number of students up to two decimal places.	Indicators	Performance Criteria					
					4	3	2	1	0	
				a) Identifying rational and irrational numbers with logic	-----	If the logic behind being rational and irrational numbers are written	If all the rational and irrational numbers are identified	If any two of the rational or irrational numbers are identified		
				b) Determining the number of new students by assembling the students in a square form	-----	If the number of students to be determined	If the square root is determined	If the formula of square root determination is correctly written		
				c) Determining the least perfect square number by using the method of determination of the square roots.	-----	If the smallest integer is determined	If the square root is determined are	If the formula of square root determination is correctly written		
				d) Determining the square root through the method of division.		If the square root is determined up to two decimal places	If the square root is determined up to three decimal places	If the formula of square root is correct	If the pair numbers of square root determination is written correctly	
				Total						
				Assigned number of assignment					13	
				Marks obtained after conversion to 10						

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Mathematics

Class: Eight

Ass. no.	Assignment title	Learning outcome/s	Guidelines for the assignment (steps/scopes/cues)	Assessment rubrics						Comn't
1	Chapter Two: Profits Determine the Interrelation between simple profit and compound profit.	Students will be able to..... 1. Explain what profit is. 2.Explain the rate of simple and compound profit. 3. Explain Bank statements.	Fabiha got 3200 taka as stipend and her brother Sakib got some money from school as scholarship. They deposited their money in the same bank at the rate of 5% profit for 2 years. a. In how many years at the same rate of profit,Fabiha's profit principal will be $\frac{3}{2}$ times? b. If the difference of simple profit and compound profit of Sakib's money is 10 taka then how much money did he get as stipend? c. If Sakib buys a watch with the full stipend money and wants to make a profit of 15% then what would be the selling price of the watch?	Indicators	Performance Criteria					
					4	3	2	1	0	
				a. Application of the formula of simple profit.	Found the proper value by using the given data and formula.	Found the principal and profit-principal	Found the principal or profit-principal	Shown the data		
				b. Determine the difference of simple profit and compound profit.	Find the proper value by using the given data and formula.	Found the Simple profit and compound profit	Found the compound principal for simple profit and compound profit	Found the compound principal for simple profit or compound profit		
				c. Determine the profit and loss.			Find the proper value by using the given data and formula.	Found the profit		
				Total						
				Assigned number of assignment					10	
				Marks obtained after conversion to 10						

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Mathematics

Subject Code: 109

Class: IX

Ass. no.	Assignment title	Learning outcome/s	Guidelines for the assignment (steps/scopes/cues)	Assessment rubrics						Comn't
01	Title: The set and function related problem	(Set and function) - Express the concepts the set and sub set by using symbols. - Describe how sets can be expressed. - Define power sets and construct power sets of sets with two or three elements. - Define ordered pair and Cartesian products. - Define relation and function, and construct them.	1. Express set B in tabular method. 2. Determine P(A) then show that the element of P(A) supports to 2^n . 3. Express $R = \{(x, y) : x \in A, y \in B \text{ and } x + 1 < y\}$ In tabular method. $\frac{f(\frac{1}{y}) - 1}{f(\frac{1}{y}) + 1}$ 4. Find the value of	Indicators	Performance Criteria					
					4	3	2	1	0	
				1			Expressed in tabular method	Identified the element		
				2	Showing Equivalence of the number of elements	Determining 2^n	Determining P(A)	Determining A		
				3		Determining R	Identifying the elements of sets A and B	Identifying the elements of sets A or B		
				4		Determining the value	Putting the value of function	Determined $f(\frac{1}{y})$		
				Total						
				Assigned number of assignment					12	
				Marks obtained after conversion to 10						

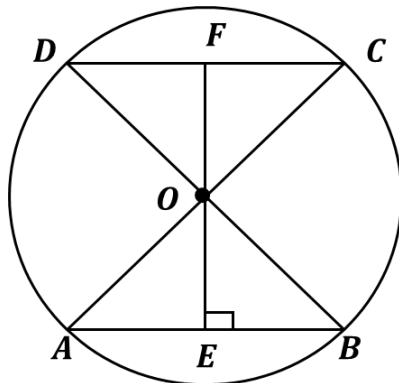
Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Mathematics

Subject Code: 109

Class: X

Ass. no.	Assignment title	Learning outcome/s	Guidelines for the assignment (steps/scopes/cues)	Assessment rubrics						Comn't
1	Title: Proof and application of circle related problem.  In figure=CD and AB CD.	1.Prove theorems related to circle. 2.Apply the theorems to solve different problems related to circle.		Indicators	Performance Criteria					
					4	3	2	1	0	
				1			Proving O as the centre of the circle	Proving that two triangles are congruent.		
				2	Proving OF=x cm	Proving two triangle are congruent	Proving AE=DF	Proving AE as half of AB		
				3	Finding the value of x	Factorization	Forming binomial equation of x	Finding the value AE		
				4	Proving ΔAOD is equilateral triangle	Finding the value of $\angle AOD$	Finding the value of $\angle ODF$	Necessary figure		
				Total						
				Assigned number of assignment					14	
				Marks obtained after conversion to 10						

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Science

Subject code: 127

Assignments for the Learners of 2022 Academic Year

Subject: Science

Subject Code: 127

Class: VI

Assignment. no.	Assignment Title	Learning outcomes	Guidelines for the assignment (steps/scopes/ cues)	Assessment rubrics						Comn't	
1 Chapter: Three Cellular Organization of Plants and Animals	Structure of Cell with a labelled diagram	Learners will be able to: - explain the characteristics that differentiate between plant and animal cells - draw labelled diagrams of plant and animal cells - realize the role of cells in living organisms.	Assignment is to be written by following the steps below: a) labelled diagram of plants cells b) organelles of plant and animal cells c) making a nucleus model d) mitochondria	Indicators	Performance Criteria					Number	
					4	3	2	1	0		
				a)Drawing and labelling of different parts	Drawing and labelling of different parts accurately	Drawing and labelling of different parts of diagram partially	Incomplete drawing and labelling of different parts of diagram	Incomplete drawing of diagram	If the answer is not relevant		
				b)Making a list of names by finding out the similarities and differences between the organelles of plant and animal cells	Accurate list	List of most of the accurate names	List of partial accurate names	If the names of dissimilar organelles are absent	If the answer is not relevant		
				c)Making model with A4 size paper, glue, scale for labelling, and pencil	Making model accurately	Making organelles by using materials	Made with any 2 of the correct information	Made with any 1 of the correct information	If the answer is not relevant		
				d)Describing the importance of mitochondria	Accurate presentation	3 of the correct information	2 of the correct information	1 of the correct information	If the answer is not relevant		
				Total marks obtained							
				Marks allocated for assignment						16	
				Marks after conversion to 10							

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year
Subject Code: 127

Subject: Science

Class: VII

Assignment no.	Assignment Title	Learning outcomes	Guidelines for the assignment (steps/scopes/ cues)	Assessment rubrics						Comn't	
1 Chapter: One Lower Organisms	Role of microorganisms in creating health hazards, and creating awareness: <i>Prepare a report including the role of any two of the microorganisms that are, according to you, responsible for the health hazards of your family members. You will also include what you can do to raise awareness for preventing and curing these microorganisms .</i>	Learners will be able to: - describe the characteristics of virus, bacteria and amoeba - explain the role of virus, bacteria and <i>Entamoeba</i> in creating health hazards in human body - explain the prevention and remedy of the health hazards in human body caused by virus, bacteria and <i>Entamoeba</i> . In curing these health hazards, they themselves will be aware as well as make others aware.	The following steps are to be followed while writing the assignment: a) Mentioning the names of the two microorganis ms and describing their characteristics b) Describing the roles of 2 microorganis ms in creating health hazards c) Describing the preventive measures against health hazards caused by microorganis ms	Indicators	Performance Criteria					Number	
					4	3	2	1	0		
				a) Mentioning the names and natures of 2 microorganisms	If the names of 2 microorganisms are mentioned and their natures are described	If the name of 1 microorganism is mentioned and its nature is described	If the names of 2 microorganisms are mentioned	If the name of 1 microorganism is mentioned	If irrelevant information is presented		
				b) Roles of these 2 microorganisms in creating health hazards	If 2 roles of each of the 2 microorganisms in creating health hazards are accurately explained	If 2 roles of 1 microorganism and 1 role of another microorganism in creating health hazards are accurately explained	If 1 role of each of the 2 microorganisms in creating health hazards is accurately explained	If 1 role of 1 microorganism in creating health hazards is accurately explained	If irrelevant information is presented		
				c) Preventive measures against health hazards caused by microorganisms	If at least 4 preventive measures are accurately explained	If at least 3 preventive measures are accurately explained	If at least 2 preventive measures are accurately explained	If at least 1 preventive measure is accurately explained	If irrelevant information is presented		
				d) Role in creating awareness to avoid health hazards caused by microorganisms	If at least 4 roles are accurately explained	If at least 3 roles are accurately explained	If at least 2 roles are accurately explained	If at least 1 role is accurately explained	If irrelevant information is presented		
				Total marks obtained							
				Marks allocated for assignment					16		
				Marks after conversion to 10							

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Science

Subject Code: 127

Class: VIII

Assignment no.	Assignment Title	Learning outcomes	Guidelines for the assignment (steps/scopes/ cues)					Assessment rubrics						Comn't																													
1 Chapter: One Classification of Animal Kingdom	Introduction to animals and their classification	Learners will be able to: - classify invertebrate animals - classify vertebrate animals	The following points need to be included in preparing the assignment: Among the various species of vertebrate and invertebrate animals that you have seen, write the names of at least 4 from the 4 phyla and their phylum-based characteristics. Write down the characteristics of the enlisted animals, which ones can be classified. Mention which of the animals listed by you have (positive and negative) effects on your life. Record all the information in the following chart: <table><tr><th>Name of animal</th><th>Characteristics of Phylum</th><th>Phylum</th><th>Characteristics of Class</th><th>Class</th><th>Positive effect</th><th>Negative effect</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>					Name of animal	Characteristics of Phylum	Phylum	Characteristics of Class	Class	Positive effect	Negative effect																						Indicators	Performance Criteria					Number	
								Name of animal	Characteristics of Phylum	Phylum	Characteristics of Class	Class	Positive effect	Negative effect																													
			4	3	2	1	0																																				
			a)Classification of animals based on phylum	If the phylum-based characteristics and classification of at least 4 animals are mentioned	If phylum-based characteristics and classification of at least 3 animals are mentioned	If phylum-based characteristics and classification of at least 2 animals are mentioned	If phylum-based characteristics and classification of at least 1 animal are mentioned	If the answer is not relevant																																			
			b)Classification of phylum enlisted animals	If at least 4 animals with characteristics are classified	If at least 3 animals with characteristics are classified	If at least 2 animals with characteristics are classified	If at least 1 animal with characteristics is classified	If the answer is not relevant																																			
c) Identification of the positive and negative effects in the daily lives of the animals	If at least 4 positive and negative effects are identified	If at least 3 positive and negative effects are identified	If at least 2 positive and negative effects are identified	If at least 1 positive and negative effect is identified	If the answer is not relevant																																						
Total marks obtained																																											
Marks allocated for assignment											12																																
Marks after conversion to 10																																											

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year
Subject Code: 127

Subject: Science

Class: IX

Assignment. no.	Assignment Title	Learning outcomes	Guidelines for the assignment (steps/scopes/ cues)	Assessment rubrics							Comn't
1 Chapter: One Healthy Life, Better Living	Preparation of a daily balanced diet list for an adult	Learners will be able to: - explain the types of food and the ideal food pyramid - explain the source of the vitamins and its deficiency symptoms - explain the source of minerals and its deficiency symptoms	The following steps are to be followed while writing the assignment: - Presenting the names of 25 types of food according to the food components in a chart - Presenting the daily balanced diet component distribution of an adult by drawing a pie chart - Describing the names of vitamins from your diet list and the names and remedies for the diseases resulting from their deficiency - Describing the names and functions of the minerals found in your food list.	Indicators	Performance Criteria					Num ber	
				4	3	2	1	0			
				a)Making a list of food components in a chart	Information is presented accurately in chart.	Most part of the information is presented.	If the information is presented partially.	Only chart is presented.			
				b)Presenting the daily balanced diet component distribution of an adult in a pie chart.	Diet components are accurately presented (with percentage) in a chart.	3 diet components are accurately presented (with percentage) in a chart.	2 diet components are presented.	Pie chart is drawn.			
				c)Names of vitamins, the diseases resulting from their deficiency, and remedies	Names of vitamins, the diseases resulting from their deficiency, and remedies are presented accurately.	Most part is presented.	Partial part is presented.	Only names of vitamins are written.			
				d)Name and function of the minerals found in the food list	If at least 4 names and functions are accurately explained with examples	If at least 3 names and functions are accurately explained with examples	If at least 2 names and functions are accurately explained with examples	If at least 1 name and function is accurately explained with examples			
				Total marks obtained							
				Marks allocated for assignment					16		
				Marks after conversion to 10							

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year
Subject Code: 127

Subject: Science

Class: X

Assignment. no.	Assignment Title	Learning outcomes	Guidelines for the assignment (steps/scopes/ cues)	Assessment rubrics						Comm't	
1 Chapter: Six Polymer	Different types of fiber and their usage	Learners will be able to: - describe the sources, characteristics and usage of natural and synthetic polymers - explain the process of yarn manufacturing from fiber - explain the characteristics of different types of yarn - explain the physical and chemical properties of rubber and plastic.	The following steps are to be considered while writing the assignment: - Classification by making a list of ten fibers required for making cloth - Steps of making yarn from fibers with examples - Drawing a flow chart of making yarn from silk fiber -The role of rubber and plastic in environmental imbalance	Indicators	Performance Criteria					Number	
					4	3	2	1	0		
				a) Making list and classification	If the accurate list is made and classified	If partial list is made and classified	If only list is made	If only partial list is made			
				b) Mentioning the steps of making yarn from fibers with examples	If the steps are accurately explained	If the steps are partially explained	If any 2 steps are explained	If any 1 step is explained			
				c) Drawing flow chart of making yarn from silk fiber	If the flow chart is drawn with proper direction	If the flow chart is drawn with partial direction	If the flow chart is drawn	If only names of the steps are written			
				d) The role of rubber and plastic in environmental imbalance	If the answer is accurately written	If most part is accurately written	If partial part is written	If only one is introduced			
				Total marks obtained							
				Marks allocated for assignment					16		
				Marks after conversion to 10							

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Bangladesh and Global Studies

Class: Six to Ten

Assignments for the Learners of 2022 Academic Year

Subject: Bangladesh and Global Studies

Class: Six

Assignment no.	Assignment title	Learning Outcome/s	Guidelines (steps/scopes/cues)	Assessment Criterion /Rubric						Comm't	
01 Chapter One: History of Bangladesh	Explaining the reasons for Bangalees' involvement in the war of liberation and their resistance.	SS will be able to explain - the reasons for Bangalees' involvement in the liberation war; - how the Bangalees formed the resistance in the war of liberation.	Will be able to complete the assignment by following the under mentioned steps. a. An introduction should be written according to the topic of the report. b. There should be an explanation of the reasons for the Bangalees' involvement in the liberation war. c. SS will narrate the ways the resistance took place.								
				Indicator	Rating Scale				Score		
					4	3	2	1			0
				a. Introduction	-----	-----	The introduction is good.	The introduction is incomplete.	-----		
				b. Explaining the reasons	Four reasons have been presented properly.	Three reasons have been presented properly.	Two reasons have been presented properly.	Presentation of one reason	Unable to write relevant reasons		
				c. Narration of resistance	The assignment describes four aspects of resistance.	The assignment describes three aspects of resistance.	The assignment describes two aspects of resistance	The assignment describes a single aspect of resistance.s	Irrelevant answer		
				Total							
				Assigned number of assignment							10
Marks obtained after conversion to 10											

Marks Obtained	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Less than 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Bangladesh and Global Studies

Class: Seven

Assignment no.	Assignment title	Learning Outcome/s	Guidelines (steps/scopes/cues)	Assessment Criterion /Rubric						Comn't	
01 Chapter One: Liberation Movement of Bangladesh	Political events (1952-1970): An analysis of the importance of the political events since the Language Movement to the national election in 1970	SS Will be able to explain - the events of the Language Movement; - the achievements of Bangalees through United Front; - Six Points Movement; - the events and importance of Mass Upsurge of 1969; - the landslide victory in the election of 1970;	The assignment should include the following points. a. A tabular and sequential presentation on the important political events from 1952 - 1970. b. A sequential description of an event selected from the table. c. An explanation of why those events are important in our national life. The following aspects should be included in the explanation- * rise of the Bengali nationalism * elimination of economic disparity * movement for autonomy * political victory								
				Indicator	Rating Scale				0		Score
					4	3	2	1			
				a. Mentioning of the events based on year	SS could mention five events.	SS could mention four events.	SS could mention three events.	SS could mention one or two events.			
				b. Sequential description of the selected event	SS could sequentially describe the whole event according to the textbook.	SS could describe the events according to the textbook. However, it is non-sequential.	-----	-----			
				c. Importance of the selected events	The selected events could explain- * the rise of the Bengali nationalism * elimination of economic disparity * the movement for autonomy * the significance of the political victory.	The selected events could explain- * the rise of Bengali nationalism; * elimination of economic disparity *the movement for independence; * the political victory (Any three out of four have been explained).	The selected events could explain- * the rise of the Bengali nationalism * elimination of economic disparity; *movement for independence movement; * the political victory (Any two out of four have been explained).	The selected events could explain- * the rise of Bengali nationalism; * elimination of economic disparity; *independence movement; * explanation of political victory (one out of four has been mentioned).			
				Total							
				Assigned marks of assignment							10
Marks obtained after conversion to 10											

Marks Obtained	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Less than 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Bangladesh and Global Studies

Class: Eight

Assignment no.	Assignment title	Learning Outcome/s	Guidelines (steps/scopes/cues)	Assessment Criterion /Rubric						Comn't	
01 Chapter Two: The Liberation War of Bangladesh	Our Liberation War: Preparing year based flow chart and expressing own feelings about the 7 th March speech	SS will be able to - a. know the essence of historic 7 th March speech, evaluate its importance and sequence events b. mention the declaration of independence on 26 th March c. inspired with patriotism, nationalism, and democratic spirit	SS could follow the points mentioned below in preparing their assignment. *Read ‘This struggle is the struggle for independence from the book ‘Shahittya Kanika’ along with Bangladesh and Global Studies. Prepare a flow chart focusing on the mentioned years and relevant events in the essay. * ‘The naming of the country, preparation for the war, and declaration of independence were hinted on 7 th March speech’- explain the significance of the 7 th March speech in the light of the statement. *write a paragraph about what you would do if you were present at Race Course ground listening to Bangabandhu’s speech on 7 th March. It is to note, SS' writing should reflect patriotism, nationalism, and democratic spirit should.								
				Indicator	Rating Scale						Score
				a. Continuity of flow chart	SS could create a flow chart mentioning all the years sequentially.	SS mentioned all the years. However, the flow chart is not sequential.	The flow chart is sequential. However, it does not mention	the years. The flow chart is neither sequential nor mentions the years.			
				b. Importance of 7th March speech	-	The assignment has a proper explanation of the information as per instruction.	There is a lack of information but the explanation is smooth.	The assignment lacks information. Besides, the explanation is narrow.			
				c. Expression of feelings	-	The assignment has evidence of patriotism, nationalism, and democratic spirit.	The assignment has evidence of patriotism and nationalism.	The assignment has evidence of patriotism only.			
				Total							
				Assigned marks of assignment							10
				Marks obtained after conversion to 10							

Marks Obtained	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Less than 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Bangladesh and Global Studies

Subject Code: 150

Class: Nine

Assignment no.	Ass. title	Learning Outcome/s	Guidelines (steps/scopes/cues)	Assessment Criterion /Rubric							Comn't	
01 Chapter: One and Two	The History of the Emergence of Bangladesh	SS will be able to -explain the background and significance of the Language Movement. - analyze the impact of the United Front's election of 1954. - analyze the importance of the Six Points Movement. -analyze the importance of the 7 th March Speech on achieving the independence of Bangladesh.	Write an article on the history of the emergence of Bangladesh. The article should mention the following points. 1. The background and significance of the Language Movement of 1952 2. The United Front's election of 1954 3. Importance of historic Six Points Movement 4. Importance of 7 th March Speech									
				Indicator	Rating Scale					Score		
					4	3	2	1	0			
				a. Language Movement	The explanation is appropriate.	The explanation covers most of the points.	The explanation is partial.	The assignment has very limited information.				
				b. Reasons for forming United Front	The explanation is complete.	The explanation is mostly complete.	The explanation is partial.	The explanation is very limited.				
				c. Six Points of 1966	At least 4 points have been explained	At least 3 points have been explained	At least 2 points have been explained	At least 1 point has been explained				
				d. Significance of the liberation war of 1971	The assignment covers the total time from the 7 th March speech to the great liberation war and the victory.	The assignment focuses on the liberation war and the 7 th March speech.	The assignment focuses on the liberation war and the 7 th March speech partially.	1 correct information has been provided				
									Total			
									Assigned marks of assignment		16	
									Marks obtained after conversion to 10			

Marks Obtained	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Less than 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Bangladesh and Global Studies

Subject Code: 150

Class: Ten

Assignment no.	Assignment title	Learning Outcome/s	Guidelines (steps/scopes/cues)	Assessment Criterion /Rubric							Comn't
01 Chapter: Five	River irrigated Bangladesh and the Natural Resources	SS will be able to -explain the dependence of dwellings on rivers; -analyze the importance of rivers in communication, hydroelectricity, and trade; -explain the concept of natural resources; -explain the importance of water resources management in the water and food security of Bangladesh.	The assignment would cover the following points. Explaining the dependence of the dwellings on rivers. Explaining the idea of natural resources. Explaining the importance of water resources for food security. Making a list of natural resources and analyzing their importance in the economy of Bangladesh								
				Indicator	Rating Scale					Score	
					4	3	2	1	0		
				a. Dependence of dwellings on rivers	The dependence of dwellings on rivers has been described with examples.	The dependence of dwellings on rivers has been described without example.	The dependence of dwellings on rivers has been described briefly.	The dependence of dwellings on rivers has been described with some relevance.			
				b. Explanation of natural resources	Explanation of the idea of natural resources with examples.	Explanation of the idea of natural resources without example.	Only the definition of natural resources has been provided.	Explanation of natural resources is inappropriately written.			
				c. Water resources management for food security	The assignment has an adequate explanation with examples on this point.	The assignment has an explanation without any example on this point.	The assignment has a partial explanation of this point.	The assignment has explained this point inappropriately.			
				d. List of natural resources and their importance in the economy of Bangladesh	The list of natural resources and their importance in the economy of Bangladesh has been written properly	The list of natural resources and their importance in the economy of Bangladesh has been written partially.	Only the list of natural resources has been written properly.	Neither the list nor the importance has been written.			
				Total							
				Assigned marks of assignment							16
				Marks obtained after conversion to 10							

Marks Obtained	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Less than 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Business Entrepreneurship

Class: Nine-Ten

Subject Code: 143

Assignments for the Learners of 2022 Academic Year

Subject: Business Entrepreneurship

Subject Code: 143

Class: Nine

Ass. no.	Assignment title	Learning Outcome/s	Guidelines (steps/ scopes/cues)	Assessment Criterion /Rubric						
1 Chapter One: Introduction to Business	Analyzing the relation of Economic Development with Business	Students will be able to -describe the concept, the origin, and the evolution of Business -explain the scope and characteristics of Business -describe the classifications of Business -explain the concept and the classifications of Industry -explain the concept and the classifications of Commerce -describe with examples the concept and the classifications of Service	In writing the assignment SS would – explain the Concept of Business -describe the Characteristics of Business -show the classifications of Business in a table and explain Explain the Importance of Business	Indicator	Rating Scale					Score
					4	3	2	1	0	
				A. Concept of Business	-	-	The concept of Business is explained with examples.	The concept of Business is explained without examples..	Nothing or totally wrong thing is written.	
				B. Characteristics of Business	At least 8 characteristics of the business are explained.	At least 6 characteristics of the business are explained.	At least 4 characteristics of the business are explained.	At least 1 characteristics of the business are explained.	Nothing or totally wrong thing is written.	
				C. Classifications of Business	Classifications of the Business is shown in a tabular form and Concepts of Industry, Commerce and Direct Service are explained with examples.	Classifications the of Business is shown in a tabular form and Concepts of Industry, Commerce and Direct Service are explained without examples.	Classifications of the Business is shown in a tabular form only.	Classifications of the Business is shown without a tabular form.	Nothing or totally wrong thing is written.	
				D. Importance of Business	At least 8 importance of Business are explained.	At least 6 importance of Business are explained.	At least 4 importance of Business are explained.	At least 1 Importance of Business are explained.	Nothing or totally wrong thing is written.	
				Total						
				Assigned marks of assignment						14
				Marks obtained after conversion to 10						

Marks Obtained	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Less than 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Business Entrepreneurship

Subject Code: 143

Class: Ten

Ass. no.	Assignment title	Learning Outcome/s	Guidelines (steps/ scopes/cues)	Assessment Criterion /Rubric						
1 Chapter Five: Legal Aspects of Business	Contribution of Intellectual Property to inspire the innovative activities of Entrepreneur	Students will be able to -explain the legal aspects of Business -describe the concept of Patent, Registration and its advantages -explain the concept and type of Trade Mark -explain the concept of Copy Right and its registration process	In writing the assignment -explain the concept of Intellectual Property -explain the concept of Patent as Intellectual Property -explain the concept of Trade Mark as Intellectual Property -explain the concept of Copy Right as Intellectual Property							
				Indicator	Rating Scale					Marks obtained
					4	3	2	1	0	
				A. Concept of Intellectual Property	-	-	The concept of Intellectual property is explained with examples	The concept of Intellectual property is explained without examples	Nothing or totally wrong thing is written	
				B. Concept of Patent as Intellectual Property	-	-	The concept of Patent is explained with examples	The concept of Patent is explained without examples	Nothing or totally wrong thing is written	
				C. Concept of Trade Mark as Intellectual Property	-	-	The concept of Trade Mark is explained with examples	The concept of Trade Mark is explained without examples	Nothing or totally wrong thing is written	
				D. Concept of Copy Right as Intellectual Property	The concept of Copy Right and its contribution is explained with examples	The concept of Copy Right and its contribution is explained without examples	The contribution of Copy Right is explained	Only the concept of Copy Right is explained	Nothing or totally wrong thing is written	
				Total						
				Assigned marks of assignment						10
				Marks obtained after conversion to 10						

Marks Obtained	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Less than 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Chemistry

Subject Code: 137

Class: Nine-Ten

Assignments for the Learners of 2022 Academic Year

Subject: Chemistry

Subject Code: 137

Class: Nine

Ass. no.	Assignment title	Learning Outcome/s	Guidelines (steps/ scopes/cues)	Assessment Criterion /Rubric							
01 Chapter Two: States of Matter Chapter Three: Structure of Matter	Heating curve of matter, explanation of exceptional electronic configuration and calculation of relative atomic mass	Students will be able to - •explain the relationship between physical states of matter and heat •describe the melting and sublimation of solid matter and boiling process of liquid matter • write the symbols of elements from their English and Latin names •Explain atomic number, mass number and relative atomic mass number • explain different orbits of atom and arrange the electrons of different sublevels (orbital) of atom	Answer will contain the following points. -Silver is an essential metal which is situated at period-5 group-11 in periodic table. -Two isotopes of silver are: ^{107}Ag & ^{109}Ag. -Natural abundance of these two isotopes are 51.4% and 48.6% respectively. a. Analyse the heating curve when the melting point and boiling point of silver are 961.8°C and 2162°C respectively. b. Explain the electronic configuration of the first element of group-11 considering its sublevels (orbital) c. Determine the relative atomic mass of the element from amount of abundance of the two isotopes.	Indicator	Rating Scale						Score
				4	3	2	1	0			
				a. Explanation of heating curve	Explained the heating curve by identifying different points of it with figure.	Presented the heating curve by identifying different points of it.	Perfectly explained the heating curve.	Drawn the graph of the heating curve.	Irrelevant answer.		
				b. Explanation of electronic configuration considering sublevels (orbital)	Explained the reason of the exception by showing correct electronic configuration of the element considering sublevels (orbital).	Explained the correct electronic configuration of the element considering sublevels (orbital).	Explained the correct electronic configuration of the element considering principal energy levels.	Identified the element.	Irrelevant answer.		
				c. Determination of the relative atomic mass of the element	Perfectly determined the relative atomic mass with law	Determined the relative atomic mass.	Put the relevant value in the law.	Written the law.	Irrelevant answer.		
				Total							
				Assigned marks of assignment							14
				Marks obtained after conversion to 10							

Marks Obtained	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Less than 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Chemistry

Subject Code: 137

Class: Ten

Ass. no.	Assignment title	Learning Outcome/s	Guidelines (steps/ scopes/cues)	Assessment Criterion /Rubric						
01 Chapter Five: Chemical Bond	Formation of chemical bond, different characteristics of compounds and electrical conductivity of metal	Students will be able to - •explain the concept of octet and duet rules • explain the chemical bond and its cause of formation • explain how and why ions are formed •describe the process of forming ionic bond • describe the process of forming covalent bond • explain melting point, boiling point, solubility, electrical conductivity and properties of crystal formation of ionic and covalent bonds • explain the concept of formation of metallic bond •explain electrical conductivity of metal with the help of metallic bond	Answer will contain the followings: A & D are two elements which are situated at group-1 in periodic table. A is placed at period-1 and D is placed at period-4 respectively in periodic table. Two other elements B & C are placed at period-2 and their groups are 14 & 16 respectively. a. Explain the formation of bond between A and B and electrical conductivity of produced compound b. Explain the formation of bond between C and D and melting and boiling points of produced compound c. Explain the bond that can be formed between multiple atoms of D element and analyse whether the element is electric conductor or not.	Indicator	Rating Scale					Score
				4	3	2	1	0		
				a. Explanation of the process of forming bond between A & B and electrical conductivity of produced compound	Perfectly Explained the process of forming bond between A & B and electrical conductivity of produced compound.	Perfectly Explained the process of forming bond between A & B and electrical conductivity of chemical compounds.	Perfectly Explained the process of forming bond between A & B.	Perfectly commented on the process of forming chemical bond between A & B and their electrical conductivities..	Irrelevant answer	
				b. Explanation of the process of forming bond between C and D and melting and boiling points of produced compound	Explained the process of forming of bond between C and D and melting and boiling points of produced compound.	Explained the process of forming of bond between C and D and melting and boiling points of compounds.	Explained the process of forming of bond between C and D.	Perfectly commented on the process of forming bond between C and D and melting and boiling points .	Irrelevant answer.	
				c. Explanation of the bond that can be formed between multiple atoms of D element and electrical conductivity of the element	Explained the bond that can be formed between multiple atoms of D element and electrical conductivity of mentioned element.	Explained the bond that can be formed between multiple atoms of D element and electrical conductivity of metal.	Explained the bond that can be formed between multiple atoms of D element	Perfectly commented on a bond that can be formed between multiple atoms of D element and electrical conductivity of metal.	Irrelevant answer.	
				Total						
				Assigned marks of assignment						16
Marks obtained after conversion to 10										

Marks Obtained	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Less than 4	Needs improvement

Assignments for the Learners of 2022 Academic Year

Subject: Geography and Environment

Subject Code: 110

Class: Nine-Ten

Assignments for the Learners of 2022 Academic Year

Subject: Geography & Environment

Subject Code: 110

Class: Nine

Ass. no.	Assignment title	Learning outcome/s	Guidelines for the assignment (steps/scopes/cues)	Assessment rubrics							
01 Chapter 2: The Universe and Our Earth	Our earth is a wonder in the universe	Students will be able to: • describe the location and characteristics of the solar system, earth and other planets-satellites of the galaxy in the universe • describe the earth’s size, shape and satellite • express more interest to know about our only habitable planet earth	In writing the assignment SS would • write the description of the luminaries in the universe • describe the solar system with picture • explain the reasons why the earth has been identified as a wonder of the universe	Indicator		Performance Criteria					Obtained Marks
						4	3	2	1	0	
				A	Luminaries of the universe	Writes the description of the luminaries with picture	Writes the description of any 3 luminaries	Writes the description of any 2 luminaries	Writes the description of any 1 luminary		
				B	The solar system	Writes the description of 8 planets of the with the picture of the solar system	Writes the description at least 4 planets with the picture of the solar system	Writes the names of the 08 planets of the solar system	Writes the concepts of the solar system		
				C	The reason of calling our earth the wonder of the universe	Writes 4 reasons why the earth is the wonder of the universe	Writes 3 reasons why the earth is the wonder of the universe	Writes 2 reasons why the earth is the wonder of the universe	Writes 1 reason why the earth is the wonder of the universe		
				Total							
				Total marks for this assignment							12
				Marks obtained after conversion to 10							

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs Improvement

Assignments for the Learners of 2022 Academic Year

Subject: Geography & Environment

Subject Code: 110

Class: Ten

Ass. no.	Assignment title	Learning outcome/s	Guidelines for the assignment (steps/scopes/cues)	Assessment rubrics							
01 Chapter 3: Map Reading and Its Uses	The usage of the international conventional symbol signs on the map of Bangladesh	Students will be able to: -explain concepts, importance and uses of map; -describe the representation rules of the information on the map and apply them practically.	In writing the assignment SS would -explain the concepts of the map; -explain the concepts and characteristics of the topographic map; -draw the map of Bangladesh and represent the uses of at least 15 types of international conventional symbol signs on it.	Indicator		Performance Criteria					Obtained Marks
						4	3	2	1	0	
				A	The concepts of map	Explains 2 classifications and the concepts of map on the basis of scale.	Explains 1 classification and the concepts of map on the basis of scale.	Explains the concepts of map.	Writes the synonyms of map.		
				B	The concepts of the topographic map	Explains the concepts of the topographic map with examples.	Writes two characteristics the topographic map.	Writes one characteristic the topographic map.	Writes the alternative name of the topographic map		
				C	Representation of the uses of the international conventional symbol signs on the map of Bangladesh	Draws at least 15 types of international conventional symbol signs on the map of Bangladesh.	Draws at least 10 types of international conventional symbol signs on the map of Bangladesh.	Draws at least 5 types of international conventional symbol signs on the map of Bangladesh.	Only draws the map of Bangladesh.		
				Total							
				Total marks for this assignment							12
Marks obtained after conversion to 10											

Marking range	Comments
8-10	Excellent
6-7.9	Good
4-5.9	Average
Below 4	Needs Improvement