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

স্মারক নং- ৩৭.০২.০০০০.১০৬.২৭(অংশ-২).০০১.২০-৯০৮ তারিখ: ২৬/০৮/২০২১ খ্রি.

বিষয়: ২০২১ সালের এস.এস.সি পরীক্ষায় অংশগ্রহণকারী শিক্ষার্থীদের জন্য অ্যাসাইনমেন্ট (ইংরেজী ভার্সন- চতুর্থ ও পঞ্চম সপ্তাহ) বিতরণ।

উপর্যুক্ত বিষয়ের প্রেক্ষিতে জানানো যাচ্ছে যে, কোভিড-১৯ অতিমারির কারণে শিক্ষা মন্ত্রণালয়ের নির্দেশনায় জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড (এনসিটিবি) কর্তৃক প্রণয়নকৃত ২০২১ সালের এস.এস.সি পরীক্ষায় অংশগ্রহণকারী শিক্ষার্থীদের জন্য পুনর্বিন্যাসকৃত পাঠ্যসুচির আলোকে নির্ধারিত গ্রিড অনুযায়ী **অ্যাসাইনমেন্ট (ইংরেজী ভার্সন- চতুর্থ ও পঞ্চম সপ্তাহ)** বিতরণ করা হলো। বিতরণকৃত অ্যাসাইনমেন্ট সকল শিক্ষার্থীদের প্রদান ও গ্রহণের ক্ষেত্রে স্বাস্থ্যবিধি সংক্রান্ত বিধি-নিষেধ যথাযথভাবে অনুসরণপূর্বক প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য সংশ্লিষ্ট সকলকে নির্দেশক্রমে অনুরোধ করা হলো।

সংযুক্ত: অ্যাসাইনমেন্ট (ইংরেজী ভার্সন- চতুর্থ ও পঞ্চম সপ্তাহ)।

২৬.০৮.২০২১

(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 এনালিষ্ট, 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

Assignments for SSC Examinees, 2021

Subject: History of Bangladesh and World Civilization
Subject Code: 153

Assignment for SSC Examinees, 2021

Subject: History of Bangladesh and World Civilization **Subject Code: 153** **Level: SSC**

<table>
<tr><th>Assignment Number, Chapter Number, Chapter Title</th><th>Assignment</th><th>Learning Outcomes</th><th>Guidelines (cues/ extent/ steps)</th><th>Assessment Criterion /Rubric</th><th>Com'ts</th></tr>
<tr>
<td>3

Chapter Two:
World Civilization (Egyptian, Indus, Greek and Roman)</td>
<td>Evaluating the contribution of Greek and Roman civilizations to the progress of the world civilization by presenting a comparative analysis of both the civilizations</td>
<td>Learners will be able to

- discuss the background of the emergence of the Greek civilization focusing on its geographical location and time frame;

-able to describe the contributions of the Greek civilization in education, religion, culture, philosophy and science as a part of the progress of world civilization;

-describe the contribution of the ancient</td>
<td>• Explanation of the background of Greek and Roman civilizations.
• Presenting similarities/dissimilarities of geographic location and time frame through table
• Presenting comparative features of education, literature and philosophy of Greek and Roman civilizations;
• Presenting an analysis of the progress of both civilization in architecture, sculpture and science.</td>
<td>
<table>
<tr><th rowspan="2">Indicator</th><th colspan="4">Rating Scale</th><th rowspan="2">Score</th></tr>
<tr><th>4</th><th>3</th><th>2</th><th>1</th></tr>
<tr><td>a) Explanation of background</td><td>If the explanation of the background of Greek and Roman civilizations is sequential and informative.</td><td>If the explanation of the background of Greek and Roman civilizations is informative but lacks continuity</td><td>If the explanation of the background of Greek and Roman civilizations is sequential but not informative</td><td>If there is lack of continuity and information in the explanation of the background of Greek and Roman civilizations</td><td></td></tr>
<tr><td>b) Presenting Similarities/ dissimilarities of geographic location and age</td><td>If the presentation of similarities and dissimilarities of geographical location and time frame is accurate</td><td>If the presentation of similarities and dissimilarities of geographical location and time frame is mostly accurate</td><td>If the presentation of similarities and dissimilarities of geographical location and time frame is partially accurate</td><td>If there is inconsistency in presenting the similarities and dissimilarities of geographical location and time frame</td><td></td></tr>
<tr><td>c) Comparative feature of education, literature and philosophy</td><td>If presenting comparative features of education, literature and philosophy of Greek and Roman civilizations in world</td><td>If presenting comparative features of education, literature and philosophy of Greek and Roman civilizations in the world</td><td>If comparative features of education, literature and philosophy of Greek and Roman civilizations</td><td>If unable to present comparative features of education, literature and philosophy of Greek and Roman civilizations in</td><td></td></tr>
</table>
</td>
<td></td>
</tr>
</table>

		Roman civilization in education, culture and development of writing system; - describe the contribution of the ancient Roman civilization in architecture, sculpture and science as a progress of world civilization.			civilization reflects student's self-effort	civilization does not reflect student's self-effort	in the world civilization is partially presented	the world civilization		
				d) Presenting the features of excellence in architecture, sculpture and science	If the presentation of the features excellence in architecture, sculpture and science of Greek and Roman is accurate and reflects creativity	If the presentation of the features excellence in architecture, sculpture and science of Greek and Roman is accurate but lacks creativity	----------	If the presentation of the features of excellence in architecture, sculpture and science of Greek and Roman is not accurate and lacks creativity		
								Total-		
				Total marks for this assignment: 16						

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

Assignment for SSC Examinees, 2021

Subject: History of Bangladesh and World Civilization **Subject Code: 153** **Level: SSC**

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/extent /steps)	Assessment Criterion /Rubric	Com'ts
4 **Chapter Three:** Janapadas of Ancient Bengal	Draw a map of Ancient Bengal to identify different territory (*Janapadas*) and describe under which territory your district belonged to	Learners will be able to -identify the present locations of the Janapadas of ancient Bengal and describe them; -explain the importance of the Janapadas in searching information of ancient Bengal; and -be interested to know the importance of the Janapadas in gathering ideas about the history of ancient Bengal.	• Identifying all the territories (*Janapadas*) by drawing a map of ancient Bengal; • Explanation of the importance of these territories • Explanation of the concept of ancient Bengal's history; • Explanation of under which territory the Student's own district was included.		

Indicator	Rating Scale				Score
	4	3	2	1	
a) Identifying the territories by drawing a map of ancient Bengal	Identified the territories accurately by drawing a map of ancient Bengal properly.	Identified the territories mostly by drawing a map of ancient Bengal.	Identified the territories partially by drawing a map of ancient Bengal.	The drawing of a map of ancient Bengal is not correct and the territories have not been identified.	
b) Explaining the importance of the ancient territories	The importance of ancient territories has been explained accurately.	In most cases, the explanation of the importance of the ancient territories is correct.	Explanation of the importance of ancient territories is partially correct.	Explanation of the importance of the ancient territories is not accurate.	
c) Explaining the concept of ancient Bengal's history;	The concept of ancient Bengal's history has been presented accurately.	The concept of ancient Bengal's history has been presented mostly.	The concept of ancient Bengal's history has been partially presented.	The presentation of the concept of ancient Bengal's history is not correct.	
d) Explaining the territory under which Student's own district was included	Explanation of student's own territory is accurate	Explanation of student's own territory is mostly correct.	Explanation of the student's own territory is partially correct.	Explanation of student's own territory is not accurate.	
				Total-	

Total marks for this assignment: 16

Accurate- 80-100%, Mostly accurate- 60-79%, Partially accurate- 40-59%, Ambiguous/ Not accurate: below 39%

Marks Obtained	Comments
13-16	Excellent
11-12	Very good
08-10	Good
00-07	Needs improvement

Assignments for SSC Examinees, 2021

Subject: Physics

Subject Code: 136

Assignment for SSC Examinees, 2021

Subject: Physics **Subject Code: 136** **Level: SSC**

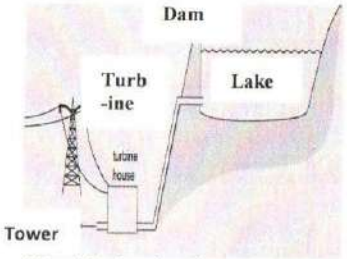
Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric	Com'ts
3 **Chapter 02:** Motion Chapter 04: Work, Power and Energy	A stone of mass 75 kg is released from a height of 40 meters. a) What is the total energy of the body at a height of 40 meters? 2 b) Explain, at the height of 40 meters the total energy of the body is having how many forms. 2 c) Explain the change of energy by drawing two graphs of the time-kinetic energy and the time-potential energy change of the body for every 10 meters if the body is to fall freely.4 d) Show that from the graph at what height potential energy and kinetic energy of the body are same and show what portion that is of the total height. 2	Students will be able to explain the motion of freely falling body Students will be able to explain kinetic energy and potential energy	Follow the text on pages 47-49 of the textbook. Follow the text on pages 100-108 of the textbook.		

Indicator	Rating Scale				Score
	4	3	2	1	
a) Total energy of the body at the height of 40 meters			If student can determine the total energy	If student can write the equation of total energy	
b) An explanation in how many forms are there in total energy of the body at the height of 40 meters			If student can explain how many forms are there in total energy.	If student can write what is the transformed energy	
c) Explaining the change of energy by drawing graph	If student can explain changes in time-kinetic energy and time-potential energy by drawing graphs	If student can draw graphs of kinetic energy and potential energy with time	If student can draw a graph of kinetic energy or potential energy with time	If student can write the equations of kinetic and potential energy	
d) In the graph, show the height at which the potential energy and kinetic energy of the body are equal and show what portion that is of the total height.			If student can show at what height potential energy and kinetic energy of the body are same and can show what portion that is of the total height	If student can show at what height potential energy and kinetic energy of the body are same or can show that height is what portion of the total height.	
				Total-	
Total marks for this assignment:10					

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

Assignment for SSC Examinees, 2021

Subject: Physics **Subject Code: 136** **Level: SSC**

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric	Com'ts
4 **Chapter 04:** Work, Power and Energy	The story of renewable energy Hydroelectricity is one of the ancient sources of energy that is used to generate electricity around the world, especially in remote areas. As there are many rivers, the possibility can be exploited in Bangladesh as well. The figure shows a hydroelectric power station  Fig: A hydroelectric power station a) Which position in the figure has the minimum potential energy of water? 1 In 30 minutes, water loses 5.0 X 10^9 J energy and generates 4.5 X 10^9 J electric energy b) Determine the efficiency of energy transformation. 2 c)Express 4.5 X 10^9J electric energy in Watt (W) unit. 1 d) Analyze the impact of hydroelectric plants on the environment of Bangladesh. 2 e) What kind of energy is hydroelectricity? Create a chart describing the economic, social and environmental impacts of such other forces. 4	Students will be able to analyze the contribution of major sources of energy considering the economic, social and environmental impact. Students will be able to explain power. Students will be able to measure efficiency.	Follow the text on pages 110-112 of the textbook. Follow the text on pages 119-120 of the textbook.		

Indicator	Rating Scale				Score
	4	3	2	1	
a) Concept of potential energy				If Students can write the name of position	
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	
c)Transformation of one unit of energy from another.				If Students can transform one unit of energy from another.	
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	
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 environmental 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	
				Total-	
Total marks for this assignment:10					

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

Assignments for SSC Examinees, 2021

Subject: Business Entrepreneurship
Subject Code: 143

Assignments for SSC Examinees, 2021

Subject: Business Entrepreneurship **Subject Code: 143** **Level: SSC**

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric	Com't s
3 **Chapter 2 & 3** Business Entrepreneurship & Entrepreneur	Identifying the scope of self-employment in creating business entrepreneurship	**Students will be able to:** • Explain the concepts of entrepreneurs hip and business entrepreneurs hip • Explain the concept of self-employment • Explain the relationship between entrepreneurs hip and self-employment • Explain the characteristics and necessaries for business entrepreneurs hip	**Students will write the answers in the following manner:** • Explain the concept of business entrepreneurship with example • Explain the characteristics of business entrepreneurship • Explain the concept of self-employment with example • Explain the relationship between entrepreneurship and self-employment with suitable logic • Explain the Functions of Business Entrepreneurship		

Indicator	Rating Scale				Score
	4	3	2	1	
a. Concept of Business Entrepreneurship	Correctly explained concept of business entrepreneurship with example	Moderately explained concept of business entrepreneurship with example	Partially explained concept of business entrepreneurship with example	Wrote the definition of business entrepreneurship only	
b. Characteristics of Business Entrepreneurship	Wrote four characteristics of business entrepreneurship that influence self-employment	Wrote three characteristics of business entrepreneurship that influence self-employment	Wrote two characteristics of business entrepreneurship that influence self-employment	Wrote one characteristic of business entrepreneurship that influence self-employment	
c. Concept of Self-Employment	Correctly explained concept of self-employment with example	Moderately explained concept of self-employment with example	Partially explained concept of self-employment with example	Wrote the definition of self-employment only	
d. Relationship between Entrepreneurship and Self-employment	Correctly presented the relationship between entrepreneurship and self-employment with logical explanation and example	Moderately presented the relationship between entrepreneurship and self-employment with logical explanation and example	Partially presented the relationship between entrepreneurship and self-employment with logical explanation and example	Partially presented the relationship between entrepreneurship and self-employment.	

				e. Functions of Business Entrepreneurship	Correctly wrote about the eight functions for business entrepreneurship	Correctly wrote about six to seven functions for business entrepreneurship	Correctly wrote about four to five functions for business entrepreneurship	Correctly wrote about one to three functions for business entrepreneurship	
								Total-	
				Total marks for this assignment: 20					
				Perfect: 80-100%, Mostly Perfect: 60-79%, Partially Correct: 50-69%					

Marks Obtained	Comments
16-20	Excellent
14-15	Very good
10-13	Good
0-09	Needs improvement

Assignments for SSC Examinees, 2021

Subject: Business Entrepreneurship **Subject Code: 143** **Level: SSC**

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric	Com`ts
4 **Chapter 3** Self-employment	Identifying the role of self-employment in eradicating unemployment in Bangladesh	**Students will be able to:** • Explain the concept of self-employment • Identify the scopes of proper and profitable self-employment considering the socio-economic situation of Bangladesh • Describe the motivational factors for self-employment • Describe the necessity of self-employment	**Students will write answers in the following manner:** • Explain the concept of self-employment • Identify the suitable and profitable fields for self-employment • Describe the ways of motivating self-employment • Explain the significance of self-employment		

Indicator	Rating Scale				Score
	4	3	2	1	
a. Concept of Self-employment	Explained Concept of self-employment with example	Explained Concept of self-employment without example	Explained Concept of self-employment partially	Wrote the definition only	
b. Suitable and Profitable Fields for Self-Employment	Presented the list of suitable and profitable fields for self-employment serially	Presented the list of suitable and profitable fields for self-employment	Presented the list of suitable and profitable fields for self-employment partially	Presented two suitable and profitable fields for self-employment	
c. Ways of Encouraging Self-employment	Wrote at least six ways of motivating self-employment	Wrote at least five ways of motivating self-employment	Wrote three-four ways of motivating self-employment	Wrote one/two ways of motivating self-employment	
d. Significance of Self-employment	Explained significance of self-employment with examples in details.	Explained moderately the significance of self-employment with examples without details.	Explained significance of self-employment in brief with examples.	Explained significance of self-employment in brief without examples.	
				Total-	
Total marks for this assignment: 16					

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

Assignment for SSC Examinees, 2021

Subject: Geography & Environment

Subject Code: 110

Assignment for SSC Examinees, 2021

Subject: Geography & Environment **Subject Code: 110** **Level: SSC**

<table>
<tr><th>Assignment Number, Chapter Number, Chapter Title</th><th>Assignment</th><th>Learning Outcomes</th><th>Guidelines (cues/steps or stages)</th><th>Assessment Criterion /Rubric</th><th>Com'ts</th></tr>
<tr><td>03

Chapter Three

Internal and External Structure of the Earth</td><td>Write an essay showing the formation processes of the Rocky, Fujiyama and Black Forest Mountains along with the formation processes of the Madhupur tract and delta of Bangladesh</td><td>Students will be able to
- explain the process of landform changes of the earth surface;
- explain the reasons for the abrupt change of the earth surface;
- describe the characteristics of the main landforms of the earth.</td><td>Students would
• explain different types of landform changing processes;
• explain the types and characteristics of the main landforms of the earth;
• explain the types and characteristics of the mountains and the plateaus.</td><td>
<table>
<tr><th>Indicator</th><th colspan="4">Rating Scale</th><th>Score</th></tr>
<tr><th></th><th>4</th><th>3</th><th>2</th><th>1</th><th></th></tr>
<tr><td>a) The processes of landform changes of the earth surface</td><td>The processes of landform changes of the earth surface are explained appropriately.</td><td>The processes of landform changes of the earth surface are mostly described.</td><td>The processes of landform changes of the earth surface are partially described.</td><td>The processes of landform changes of the earth surface are described only with a chart.</td><td></td></tr>
<tr><td>b) Reasons for the abrupt/ sudden changes of the earth surface</td><td>Reasons for the abrupt/ sudden changes of the earth surface are appropriately explained.</td><td>Reasons for the abrupt/ sudden changes of the earth surface are mostly explained.</td><td>Reasons for the abrupt/ sudden changes of the earth surface are partially explained.</td><td>Only concepts of abrupt/ sudden changes of the earth surface are written.</td><td></td></tr>
<tr><td>c) The characteristics of the main landforms of the earth.</td><td>The classifications of different types of main landforms of the earth are appropriately described.</td><td>The classifications of different types of main landforms of the earth are mostly described.</td><td>The classifications of different types of main landforms of the earth are partially described.</td><td>Only different types of main landforms of the earth are classified.</td><td></td></tr>
<tr><td colspan="5">Total-</td><td></td></tr>
<tr><td colspan="6">Total marks for this assignment: 12</td></tr>
</table>
Appropriately- 80-100%, Mostly- 60-79%, Partially- 40-59%
</td><td></td></tr>
</table>

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

Assignments for SSC Examinees, 2021

Subject: Chemistry

Subject Code: 137

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)	Assessment Criterion /Rubric	Com'ts
03 **Chapter Three:** Structure of Matter and **Chapter Four:** Periodic Table	**Observation of chemical reaction, Chemical equation and description of the identification method of produced gas and determination of the molecular mass of washing soda or baking soda** a) Take one tablespoon of washing soda or baking soda in a transparent glass b) Add two tablespoons of vinegar or lemon juice with it c) Observe the changes. Prepare a report on chemical equation of reaction, identification method of produced gas and determination of the molecular mass of washing soda or baking soda.	Students' will be ..... • Able to explain atomic number, mass number and relative atomic number • Able to calculate the relative molecular mass from relative atomic mass • Able to explain the same properties of compounds formed by elements of same group in the periodic table • Able to use the equipments of glass properly during experiment. • Able to take precautions during experiment	•Has to take the experiment precautions while performing works •The matters that should be in the report- •Use of experiment materials with precautions •Chemical equation by observing chemical changes •Identification of produced gas and chemical equation •Determination of the molecular mass of main elements of washing soda or baking soda.		

Indicator	Rating Scale				Score
	4	3	2	1	
a) Use of 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	
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	
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	
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	
				Total	

Total marks for this assignment: 16

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

Assignments for SSC Examinees, 2021

Subject: Accounting

Subject Code: 146

Assignment for SSC Examinees, 2021

Subject: Accounting **Subject Code-146** **Level: SSC**

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion (Rubric)					Com'ts
				Indicator	Rating Scale				Score
					4	3	2	1	
03 **Chapter Three:** Double Entry System	**Applying of Double Entry and Single Entry System** **Helping Information--01:** Sabina Enterprise keeps all books under double entry system. On May, 2020 the following transactions occurred in the business: May 5-Goods sold by check of tk.10,000. May 15-Rent paid in advance tk.12,000. May 22- Goods withdrawn by owner from the business of tk.5,000. May 30 Interest allowed by bank tk.1,000. **Helping Information--02:** Tausif Brothers does not keep the books of accounts properly. On 1st January, 2020 total assets of the business were of tk.5,30,000 and total liabilities were of tk.2,90,000. Owner newly invested tk.80,000 in the business in this year and withdrew tk.65,000 from the business. On 31st December, 2020 the assets & liabilities of the business were as follows: Office equipment tk.1,50,000; Accounts receivable tk.80,000; stock of goods tk.70,000; bank deposit tk.50,000; investment tk.2,00,000; accounts payable tk.50,000; loan tk.2,00,000; outstanding salary tk.10,000.	Students will be able to •explain the advantages of double entry system • identify the two parties involved in transactions i.e Debit & Credit •explain the various steps involved in accounting cycle •calculate the profit of business by taking idea of single entry system.	• Explaining the advantages of double entry system • Determining the debit and credit of transactions • Describing the steps of accounting cycle •Determining the profit/loss in single entry system	a) Explaining the advantages of double entry system	If at least 8 advantages explained of double entry system	If 6 or 7 advantages explained of double entry system	If 4 or 5 advantages explained of double entry system	If 2 or 3 advantages explained of double entry system	
				b) Determining the debit and credit of the transactions on the basis of helping information-01	If 4 transactions determined in debit & credit	If 3 transactions determined in debit & credit	If 2 transactions determined in debit & credit	If 1 transaction determined in debit & credit	
				c) Briefly describing the steps of accounting cycle	If at least 8 steps of Accounting cycle described briefly with diagram	If 6 or 7 steps of Accounting cycle described briefly with diagram	If 4 or 5 steps of Accounting cycle described briefly with diagram	If at least 3 steps of Accounting cycle drawn or naming 2 steps with description	
				d) Determining the profit/loss in single entry system on the basis of helping information-02	If opening capital, closing capital and profit & loss determined correctly	If opening capital & closing capital determined correctly	If opening capital or closing capital (any 1) determined correctly	If any 2 formulas of determining opening capital, closing capital and profit & loss written correctly	
								Total-	
				Total marks for Assignment: 16					

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

Assignments for SSC Examinees, 2021

Subject: Economics

Subject Code: 141

Assignment for SSC Examinees, 2021

Subject: Economics **Subject Code: 141** **Level: SSC**

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric	Com'ts
3 **Chapter Three:** Utility, Demand, Supply and Equilibrium	'At a certain period, consuming Fuchka one after another leads to a fall in the rate of utility of Fuchka'— Analyze the relationship between the statement and the law mentioned in the textbook with the help of a list and a diagram— Give opinion whether the law is applicable in all the cases	• will be able to illustrate the concept of utility • will be able to prove that total utility is the sum of marginal utility • will be able to explain the law of diminishing marginal utility along with diagram	• Utility • Total utility • Marginal utility • Utility list • Drawing diagram from the list • Explanation of the effectiveness of the law		

Indicator	Rating Scale				Score
	4	3	2	1	
a) Utility, total utility and marginal utility	Proper explanation of the concepts with examples	Improper examples but proper explanation of the concepts	Proper explanation of the concepts without example	Ambiguity in explaining the concepts	
b) Preparing list	Prepare the utility list and properly mentioning that total utility is the sum of marginal utility	Prepare the utility list and calculate total utility directly without showing that total utility is a sum of marginal utility	Prepare the utility list but there is ambiguity in calculating total utility and marginal utility	Inaccurate utility list	
c) Drawing diagram according to the list	Draw diagram accurately according to the list and proper explanation	Draw diagram accurately but there are some ambiguity in explanation	Draw diagram accurately but no explanation	Diagram is not made according to the list	
d) Effectiveness of the law	Proper explanation of the effectiveness of the law mentioning 5 valid reasons	Proper explanation of the effectiveness of the law mentioning 4 valid reasons	Proper explanation of the effectiveness of the law mentioning 3 valid reasons	Proper explanation of the effectiveness of the law mentioning 2/1 valid reasons	
				Total-	
Total marks for this assignment: 16					

Marks Obtained	Comments
13-16	Excellent
11-12	Very good
08-10	Good
00-07	Needs improvement

Assignments for SSC Examinees, 2021

Subject: Biology

Subject Code: 138

Assignment for SSC Examinees, 2021

Subject: Biology **Subject Code: 138** **Level: SSC**

<table>
<tr><th>Assignment Number, Chapter Number, Chapter Title</th><th>Assignment</th><th>Learning outcomes</th><th>Guidelines (cues/steps or stages)</th><th>Assessment Criterion /Rubric</th><th>Com'ts</th></tr>
<tr>
<td>03

Chapter 04

Bioenergetics</td>
<td>Determining the effects of different factors on releasing oxygen during Photosynth-esis through comparative experiment and outcome analysis</td>
<td>Learners will be able to

- explain the role of chlorophyll and light in photosynthesis;

-describe the factors' role in photosynthesis;

-to examine the necessity of chlorophyll and light in the process of photosynthesis.</td>
<td>1.Firstly, read pages 71-72 and 74-75 of the Biology textbook
2. To carry out the experiment, essentials are to be collected: transparent glass (or any other transparent pot), watch (stopwatch is better but normal watch is enough), vinegar (or citron juice) any type of detergent (if not available, laundry soap will do), clean water and aquatic plant (such as water spinach/common hydra/water hyacinth/hydrilla etc.)
3. Following tables need to be drawn on the assignment page

Table -1:Experiment observation
<table>
<tr><th>Factors</th><th>No. of air bubbles per minute</th><th>Reason of bubble no to be different or not</th></tr>
<tr><td colspan="3">Effects of factor A</td></tr>
<tr><td>A-1 Plant submerged in clean water kept in direct sunlight</td><td></td><td></td></tr>
<tr><td>A-2 Plant submerged in clean water kept in shades</td><td></td><td></td></tr>
<tr><td colspan="3">Effects of factor B</td></tr>
<tr><td>B-1 Plant submerged in clean water kept at room temperature</td><td></td><td></td></tr>
<tr><td>B-2 Plant submerged in lukewarm water</td><td></td><td></td></tr>
<tr><td colspan="3">Effects of factor C</td></tr>
<tr><td>C-1 Plant submerged in half teaspoonful (big) vinegar (or lemon juice) mixed water.</td><td></td><td></td></tr>
<tr><td>C-2 Plant submerged in half teaspoonful(big)</td><td></td><td></td></tr>
</table>
</td>
<td>
<table>
<tr><th>Indicator</th><th colspan="4">Rating Scale</th><th>Score</th></tr>
<tr><th></th><th>4</th><th>3</th><th>2</th><th>1</th><th></th></tr>
<tr><td>a) Carrying out of the experiments (table-1)</td><td>All six experiments are carried out acceptably and descriptions noted</td><td>Out of six experiments 4-5 experiments are carried out acceptably and description noted</td><td>Out of six experiments 2-3 experiments are carried out acceptably and description noted</td><td>Out of six experiments, only one experiment is carried out acceptably and description noted</td><td></td></tr>
<tr><td>b) Comparative explanation of factors' effects (table-1)</td><td>Effect of three factors explained acceptably.</td><td>Effect of two factors explained acceptably.</td><td>Effect of one factor explained acceptably.</td><td>Effect of factors is explained but no one in an acceptable way.</td><td></td></tr>
<tr><td>c) Citing the factor's real name (Table -2)</td><td>The real names of the three factors are cited according to the textbook.</td><td>The real names of the two factors are cited according to the textbook.</td><td>The real name of one factor is cited according to the textbook.</td><td>The real name of no factors is cited according to the textbook, but the alternate name of one factor is cited acceptably.</td><td></td></tr>
<tr><td>d) When does the rate of photosynthesis decrease or increase</td><td>All six situations are cited acceptably.</td><td>Out of six situations, 4-5 situations are cited acceptably.</td><td>Out of six situations, 2-3 situations are cited acceptably.</td><td>Out of six situations, only one situation is cited acceptably</td><td></td></tr>
<tr><td colspan="5">Tota-l</td><td></td></tr>
<tr><td colspan="6">Total marks for this assignment:16</td></tr>
</table>
</td>
<td></td>
</tr>
</table>

detergent (or soap) mixed water.		

Table-2 Rate of Photosynthesis

Factor	Real name	When does the rate of photosynthesis increase	When does the rate of photosynthesis decrease
a			
b			
c			

4. A sunny day is to be selected for the experiment. The same amount of water should be used for each experiment so that plant parts are submerged fully. The same plant should be used in each experiment. But every time water must be changed and all things must be washed properly with clean water.

5.After setting all six experiments, in every case after one hour in every one minute, bubble numbers are to be noted three times. The average of three counts will be the bubble number per minute, That number has to be written in the required parts of table-1.

6. Causes of differentiation or no differentiation of bubble number to be explained through comparisons in pair A-1 vs A-2, B-1 vs B-2 and C-1 vs C-2, Every explanation should be in 20-30 words.

7. In table 2 real name of (according to the textbook) factors should be written. At the same time, when the photosynthesis rate increases or decreases affected by the mentioned factors is to be cited.

8.Special attention is needed so that the experiments are carried out sequentially starting from the morning.

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

Assignments for SSC Examinees, 2021

Subject: Finance & Banking

Subject Code: 152

Assignment for SSC Examinees, 2021

Subject: Finance & Banking **Subject Code: 152** **Level: SSC**

<table>
<tr><th>Assignment Number, Chapter Number, Chapter Title</th><th>Assignment</th><th>Learning Outcomes</th><th>Guidelines (cues/steps or stages)</th><th colspan="6">Assessment Criterion /Rubric</th><th>Com'ts</th></tr>
<tr><td rowspan="6">3

Third Chapter:

Time Value of Money</td><td rowspan="6">Analyze the mutual-dependency between present value of money and investment decision</td><td rowspan="6">Students will be able to
• determine the relation between present value of money and future value of money
• make investment decision by calculating present value of money</td><td rowspan="6">The assignment should cover the appropriate explanations and proper solutions to specific problems of topics mentioned below:
•Explanation of Present value of money and annual discounting method with example
•Explanation of the method of calculating present value of money by annual discounting and discounting more than once in a year with example
Problem:
Nirapod Ltd. Is willing to deposit necessary amount of money now in a bank to purchase a machine after 3 years at 15 lac taka. 'Obhoy' Bank will give 10% compounding profit and 'Udoy' Bank will give 9.5% quarterly compounding profit. The organization wants to choose one bank for investment. Analyze, in which bank the investment will be more</td><td colspan="6"><table>
<tr><th rowspan="2">Indicator</th><th colspan="4">Rating Scale</th><th rowspan="2">Score</th></tr>
<tr><th>4</th><th>3</th><th>2</th><th>1</th></tr>
<tr><td>a. Present Value of Money and Discounting method</td><td>Present Value of Money and Discounting method appropriately explained with example</td><td>Present Value of Money and Discounting method explained without example</td><td>Present Value of Money or Discounting method explained with example</td><td>Present Value of Money or Discounting method defined only</td><td></td></tr>
<tr><td>b. Annual Discounting and Discounting more than once a year</td><td>Annual Discounting and Discounting more than once in a year appropriately explained with example</td><td>Annual Discounting and Discounting more than once in a year explained without example</td><td>Annual Discounting or Discounting more than once in a year explained with example</td><td>Annual Discounting or Discounting more than once defined only</td><td></td></tr>
<tr><td>c. Calculating Present Value of Money by Annual Discounting and Discounting more than once in a year</td><td>Correctly calculated the present value of money of 2 banks by following the appropriate process, on the basis of given problem</td><td>Correctly calculated the present value of money of 2 banks without writing the formula, on the basis of the given problem</td><td>Correctly calculated the present value of money of 1 bank by following the appropriate process, on the basis of given problem</td><td>Only one formula is written and value put to the formula, on the basis of given problem</td><td></td></tr>
<tr><td>d. The mutual-dependency between present value of money and</td><td>Right decision made on the analysis of the mutual-dependency between</td><td>Right decision made only on mathematical result without the analysis of the mutual-</td><td>Right analysis of the mutual-dependency between present value</td><td>Wrong analysis of the mutual-dependency between</td><td></td></tr>
</table></td><td></td></tr>
</table>

			logical and decide based on the mutual-dependency of present value of money and investment decision.	investment decision	present value of money and investment decision and on mathematical result	dependency between present value of money and investment decision	of money and investment decision made	present value of money and investment decision made or wrong decision made			
									Total-		
				Total marks for this assignment: 16							

Appropriate - 80-100%, maximum - 70-79%, partial - 50-69%, not appropriate - below 49%

Marks Obtained	Comment
13-16	Excellent
11-12	Very good
8-10	Good
0-7	Needs improvement

Assignments for SSC Examinees, 2021

Subject: Civics and Citizenship
Subject Code: 140

Assignments for SSC Examinees, 2021

Subject: Civics and Citizenship **Subject Code : 140** **Level : SSC**

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric	Com'ts
02 **Chapter One:** Civics and Citizenship	Analyzing elements of a state, theory of the origin of the state and relation between a state and government	Students will be able to – explain the concept of a family, society, state and government -describe the origin of the state - analyze the relation among family,society, state and government	Students would -take help from textbooks/ teachers (through mobile phone/ online); -take assistance of internet if it is required; -describe the concepts of the state; -analyze the elements of a state; -describe the most essential element to form of a state; -identify the theroies of origin of State with the explanation of the most acceptable theory; -analyze the relation between the state and the government.		

Indicator	Rating Scale				Score
	4	3	2	1	
a) Concept and elements of the State	The concept and elements of the state are explained appropriately.	The concept and elements of the state are mostly explained.	The concept and elements of the state are partially explained.	The concept and elements of the state are not appropriately explained.	
b) Theory of the origin of the state	Theory of the origin of the state is explained appropriately	Theory of the origin of the state is mostly explained.	Theory of the origin of the state is partially explained.	Theory of the origin of the state is not appropriately explained.	
c) Relation between the state and the government	Relation between the state and the government is analyzed appropriately.	Relation between the state and the government is mostly analyzed.	Relation between the state and the government is partially analyzed.	Relation between the state and the government is not appropriately analyzed.	
				Total	

Total marks for this assignment: 12

Appropriately- 80-100%
Mostly- 60-79%
Partially- 40-59%

Marks Obtained	Comments
10-12	Excellent
08-09	Very good
06-07	Good
0-05	Needs improvement

Assignments for SSC Examinees, 2021

Subject = Civics and Citizenship **Subject Code : 140** **Level :**

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric
03 **Chapter Four:** State and System of Government	Steps for successful democracy with an analysis of the types of the state; and the merits and demerits of a parliamentary government	Students will be able to -describe different types of state and government system. -explain the status of citizens and their relations with the government in different kinds of states and government systems -learn democratic behaviour and be inspired to practice it.	Students would • take help from textbooks/teachers (through mobile phones/online) • take assistance from the Internet if it is required • describe the concepts of the state and government. • analyze the type of a state • describe the concepts of democracy • mention the demerits/ limitations of a democratic system • describe the steps for successful democracy • describe the concepts of a parliamentary government • describe the merits and demerits/ limitations of parliamentary governments.	

Indicators	Rating scale				Score
	4	3	2	1	
a) Analysis of the types of states	Types of states are analyzed appropriately.	Types of states are mostly analyzed.	Types of states are partially analyzed.	Types of states are not analyzed appropriately.	
b) Steps for successful democracy	Steps for successful democracy are described appropriately	Steps for successful democracy are mostly described	Steps for successful democracy are partially described.	Steps for successful democracy are not described appropriately.	
c) Merits and limitations/ demerits of a parliamentary government	Merits and demerits/ limitations of a parliamentary government are described appropriately.	Merits and limitations of a parliamentary government are mostly described.	Merits and demerits/ limitations of a parliamentary government are partially described.	Merits and demerits of a parliamentary government are not described appropriately.	
				Total	

Total marks for this assignment: 12

Appropriate- 80-100%
Mostly- 60-79%
Partial- 40-59%,

Marks Obtained	Comments
10-12	Excellent
08-09	Very good
06-07	Good
0-05	Needs improvement

Assignments for SSC Examinees, 2021

Subject: Higher Mathematics

Subject Code: 126

Assignment for SSC Examinees, 2021

Subject: Higher Mathematics **Subject Code: 126** **Level: SSC**

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric	Com'ts
02 **Chapter Eleven:** Coordinate Geometry	**The solution of the straight line related problem by using coordinate Geometry:** The age of Mina is 1 year less than twice the age of Raju. Suppose Mina's age is y while Raju's is x. The relation between their age can be expressed through an equation. Considering x and y are two variables we get a straight line from the equation. A (m,5) is a point on the straight line. The straight line intersects the x and y axis at the points P and Q.	• Explain the rectangular Cartesian coordinate system. • Find the distance between two points. • Explain the concept of slope (gradient) of a straight line • Find the equation of a straight line. • Determine the area of a triangle using coordinate system. • Present an equation of a straight line by plotting points.	a. Find the coordinate of the point A and draw the straight line. Then identify point A. (Determine the equation then verify the point A(m,5) and find the value of m. Draw the straight line in the graph paper using suitable unit and identify the point A). b. If the points P and Q are equidistant from $R(h,-2)$ then find the value of h. (Determine the coordinates of P and Q. Find the value of h using the formula of measuring the distance.) c. If P, Q and S(2a, a-2) are collinear then find the coordinate of S. (Find the coordinate of S by using the formula of area or slope). d. Find the equation of the straight line which passes through the point $\left(\frac{1}{4},2\right)$ and is parallel to the line AP. (Determine the slope of AP then find the equation of the straight line which passes through the point $\left(\frac{1}{4},2\right)$.		

Indicator	Rating Scale				Score
	4	3	2	1	
a		Drew the line and identified the point A.	Found the coordinate of A.	Determined the equation.	
b		Found the value of h.	Determined PR or QR	Found the coordinate of P or Q.	
c		Found the coordinate of S.	Applied the appropriate condition of colinear.	Wrote the formula of area or slope by the points.	
d		Found the equation of straight line which passes through the point $\left(\frac{1}{4},2\right)$.	Costructed a formula of straight line which passes through the point $\left(\frac{1}{4},2\right)$ by using the slope.	Found the slope of AP.	
				Total-	

Total marks for this 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: Higher Mathematics **Subject Code: 126** **Level: SSC**

<table>
<tr><th>Assignment Number, Chapter Number, Chapter Title</th><th>Assignment</th><th>Learning Outcomes</th><th>Guidelines (cues/steps or stages)</th><th>Assessment Criterion /Rubric</th><th>Com'ts</th></tr>
<tr>
<td>03

Chapter Eight

Trigonometry</td>
<td>The solution of radian measurement and degree measurement related problems:

Mr. Ratul in his regular morning walk makes a round of a circular park of two kilometers circumference maintaining equal velocity. He starts his round at 6.45 and finishes at 7.25 in the morning.</td>
<td>Students will be able to:

1. Explain the concept of radian measurement.

2. Determine the relation between radian measurement and degree measurement.</td>
<td>Students will answer in the following manner:
a. Determine the angle created at the centre of the park with the distance which Mr. Ratul covers right at 7 am in the morning.
b. Express the angle between minute and hour hands of the clock 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 the circumference of the circle.</td>
<td>
<table>
<tr><th rowspan="2">Indicator</th><th colspan="4">Rating Scale</th><th rowspan="2">Score</th></tr>
<tr><th>4</th><th>3</th><th>2</th><th>1</th></tr>
<tr><td>a</td><td>Expressed in degree.</td><td>Found the value of the angle in the radian.</td><td>Found the distance.</td><td>Found the radius of the park.</td><td></td></tr>
<tr><td>b</td><td>Expressed in radian</td><td>Found the angle between two hands of the clock in degree.</td><td>Found the difference between the two hands of the clock.</td><td>Identified the position of the hour hand at the start of walk.</td><td></td></tr>
<tr><td>c</td><td>Analyzed the result and then expressed the opinion.</td><td>Established the relation between arc of the circle and central angle produced by arc.</td><td>Showed through the radius, the arc equal to radius and the length of the arc produced right angle at the centre into the radius.</td><td>Drew the graph necessary to express opinion</td><td></td></tr>
<tr><td colspan="5">Total-</td><td></td></tr>
<tr><td colspan="6">Total marks for this assignment: 12</td></tr>
</table>
</td>
<td></td>
</tr>
</table>

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