

Assignments for HSC Examinees of 2021

Subject: Business Organization and Management

Paper: Second

Subject Code: 278

Level: HSC

Assignment Number & Chapter Title	Assignment	Learning Outcomes	Guidelines (Cues/Steps/ Stages)	Assessment Criteria/Rubric	Com's																																								
4 Chapter Two: Principles of Management	Justify the statement – "The expertise of an ideal manager depends on the proper application of management principles."	Be able to: <ul style="list-style-type: none"> <li>explain the concept of the principles of management;</li> <li>describe the principles of management; and</li> <li>explain the skills of an ideal manager.</li> </ul>	You have to: <ul style="list-style-type: none"> <li>explain the concept of the principles of management;</li> <li>explain the principles or ideals of management successively; and</li> <li>analyze how a manager applies the policies with efficiency.</li> </ul>	<table border="1"> <thead> <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> </thead> <tbody> <tr> <td>A. Concept of the principles of management</td> <td>Explains the concept of the principles of management correctly with examples</td> <td>Explains the concept of the principles of management with examples and is mostly correct</td> <td>Explains the concept of the principles of management with examples and is partially correct</td> <td>Writes the definition only</td> <td></td> </tr> <tr> <td>B. Principles or the ideals of management</td> <td>Describes the principles or ideals of management successively and accurately</td> <td>Describes the principles or ideals of management successively and is mostly accurate</td> <td>Describes the principles or ideals of management successively and is partially accurate</td> <td>Names the principles or ideals of management</td> <td></td> </tr> <tr> <td>C. Principles of scientific management</td> <td>Describes the 4 principles of scientific management of F.W. Taylor correctly</td> <td>Describes the 3 principles of scientific management of F.W. Taylor correctly</td> <td>Describes the 2 principles of scientific management of F.W. Taylor correctly</td> <td>Describes the 1 principle of scientific management of F.W. Taylor correctly</td> <td></td> </tr> <tr> <td>D. Analysis of the principles of modern management and scientific management by considering the skills of managers</td> <td>Completely analyzes with examples of the application of managerial skills with scientific and modern management principles</td> <td>Mostly analyzes with examples of the application of managerial skills with scientific and modern management principles</td> <td>Partially analyzes without examples of the application of managerial skills with scientific and modern management principles</td> <td>Writes how managerial skills can be applied with scientific and modern management principles only</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">Total</td> <td></td> </tr> </tbody> </table> <p>Total Marks for the Assignment: 16                      Note: Assigned Marks: Appropriate /Fully Correct = 80-100% , Mostly Correct = 70-79%, and Partially Correct = 50-69%</p>	Indicator	Rating Scale				Score	4	3	2	1	A. Concept of the principles of management	Explains the concept of the principles of management correctly with examples	Explains the concept of the principles of management with examples and is mostly correct	Explains the concept of the principles of management with examples and is partially correct	Writes the definition only		B. Principles or the ideals of management	Describes the principles or ideals of management successively and accurately	Describes the principles or ideals of management successively and is mostly accurate	Describes the principles or ideals of management successively and is partially accurate	Names the principles or ideals of management		C. Principles of scientific management	Describes the 4 principles of scientific management of F.W. Taylor correctly	Describes the 3 principles of scientific management of F.W. Taylor correctly	Describes the 2 principles of scientific management of F.W. Taylor correctly	Describes the 1 principle of scientific management of F.W. Taylor correctly		D. Analysis of the principles of modern management and scientific management by considering the skills of managers	Completely analyzes with examples of the application of managerial skills with scientific and modern management principles	Mostly analyzes with examples of the application of managerial skills with scientific and modern management principles	Partially analyzes without examples of the application of managerial skills with scientific and modern management principles	Writes how managerial skills can be applied with scientific and modern management principles only		Total						
Indicator	Rating Scale					Score																																							
	4	3	2	1																																									
A. Concept of the principles of management	Explains the concept of the principles of management correctly with examples	Explains the concept of the principles of management with examples and is mostly correct	Explains the concept of the principles of management with examples and is partially correct	Writes the definition only																																									
B. Principles or the ideals of management	Describes the principles or ideals of management successively and accurately	Describes the principles or ideals of management successively and is mostly accurate	Describes the principles or ideals of management successively and is partially accurate	Names the principles or ideals of management																																									
C. Principles of scientific management	Describes the 4 principles of scientific management of F.W. Taylor correctly	Describes the 3 principles of scientific management of F.W. Taylor correctly	Describes the 2 principles of scientific management of F.W. Taylor correctly	Describes the 1 principle of scientific management of F.W. Taylor correctly																																									
D. Analysis of the principles of modern management and scientific management by considering the skills of managers	Completely analyzes with examples of the application of managerial skills with scientific and modern management principles	Mostly analyzes with examples of the application of managerial skills with scientific and modern management principles	Partially analyzes without examples of the application of managerial skills with scientific and modern management principles	Writes how managerial skills can be applied with scientific and modern management principles only																																									
Total																																													

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

Assignment for HSC Examinees, 2021

Subject: Production Management and Marketing

Paper: 2<sup>nd</sup>

Subject Code: 287

Level: HSC

Assignment Number, Chapter Number and Chapter Title	Assignment	Learning Outcomes/ Subject Matter	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric	Com'ts																																														
4 Chapter 2: Functions of Marketing	Analysis of the functions of Marketing	Learners will be able to: <ol style="list-style-type: none"> <li>Explain the concept of functions of Marketing;</li> <li>Explain the concepts of Buying and Selling and their importance;</li> <li>Explain the concepts of Transportation and Warehousing and their benefits;</li> <li>Explain the concepts of Standardization and Grading and their benefits;</li> <li>Explain the concept of Packaging and its importance;</li> </ol>	Learners will have to: <ul style="list-style-type: none"> <li>Explain the concept of functions of Marketing.</li> <li>Explain the concepts of Buying and Selling and their importance.</li> <li>Explain the concepts of Transportation and Warehousing and their benefits.</li> <li>Explain the concepts of Standardization and Grading and their benefits.</li> <li>Explain the concept of Packaging and its importance.</li> </ul>	<table border="1"> <thead> <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> </thead> <tbody> <tr> <td>a. Concept of Marketing Functions</td> <td>If the concept of functions of Marketing is appropriately written</td> <td>If the concept of functions of Marketing is appropriately written in most cases</td> <td>If the concept of functions of Marketing is appropriately written in a partial manner</td> <td>If only the concept of Functions of Marketing is written</td> <td></td> </tr> <tr> <td>b. Concepts of Buying and Selling and their importance</td> <td>If the concepts of Buying and Selling are appropriately written with 5 importance of each</td> <td>If the concepts of Buying and Selling are appropriately written with 4 importance of each</td> <td>If the concepts of Buying and Selling are appropriately written with 3 importance of each</td> <td>If the concepts of Buying and Selling are appropriately written with 1/2 importance of each</td> <td></td> </tr> <tr> <td>c. Concepts of Transportation and Warehousing and their benefits</td> <td>If the concepts of Transportation and Warehousing are appropriately written with 5 importance of each</td> <td>If the concepts of Transportation and Warehousing are appropriately written with 4 importance of each</td> <td>If the concepts of Transportation and Warehousing are appropriately written with 3 importance of each</td> <td>If the concepts of Transportation and Warehousing are appropriately written with 1/2 importance of each</td> <td></td> </tr> <tr> <td>d. Concepts of Standardization and Grading and their benefits</td> <td>If the concepts of Standardization and Grading are appropriately written with 5 importance of each</td> <td>If the concepts of Standardization and Grading are appropriately written with 4 importance of each</td> <td>If the concepts of Standardization and Grading are appropriately written with 3 importance of each</td> <td>If the concepts of Standardization and Grading are appropriately written with 1/2 importance of each</td> <td></td> </tr> <tr> <td>e. Concept of Packaging and its importance</td> <td>If the concept of Packaging and 8 of its importance are written appropriately</td> <td>If the concept of Packaging and 6/7 of its importance are written appropriately</td> <td>If the concept of Packaging and 4/5 of its importance are written appropriately</td> <td>If the concept of Packaging and 2/3 of its importance are written appropriately</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">Total</td> <td></td> </tr> </tbody> </table> <p>Total marks for this assignment: 20                      N.B.: Appropriate/Complete: 80%-100% accurate, Most: 70%-79% accurate, and Partial: 50%-69% accurate</p>	Indicator	Rating Scale				Score	4	3	2	1	a. Concept of Marketing Functions	If the concept of functions of Marketing is appropriately written	If the concept of functions of Marketing is appropriately written in most cases	If the concept of functions of Marketing is appropriately written in a partial manner	If only the concept of Functions of Marketing is written		b. Concepts of Buying and Selling and their importance	If the concepts of Buying and Selling are appropriately written with 5 importance of each	If the concepts of Buying and Selling are appropriately written with 4 importance of each	If the concepts of Buying and Selling are appropriately written with 3 importance of each	If the concepts of Buying and Selling are appropriately written with 1/2 importance of each		c. Concepts of Transportation and Warehousing and their benefits	If the concepts of Transportation and Warehousing are appropriately written with 5 importance of each	If the concepts of Transportation and Warehousing are appropriately written with 4 importance of each	If the concepts of Transportation and Warehousing are appropriately written with 3 importance of each	If the concepts of Transportation and Warehousing are appropriately written with 1/2 importance of each		d. Concepts of Standardization and Grading and their benefits	If the concepts of Standardization and Grading are appropriately written with 5 importance of each	If the concepts of Standardization and Grading are appropriately written with 4 importance of each	If the concepts of Standardization and Grading are appropriately written with 3 importance of each	If the concepts of Standardization and Grading are appropriately written with 1/2 importance of each		e. Concept of Packaging and its importance	If the concept of Packaging and 8 of its importance are written appropriately	If the concept of Packaging and 6/7 of its importance are written appropriately	If the concept of Packaging and 4/5 of its importance are written appropriately	If the concept of Packaging and 2/3 of its importance are written appropriately		Total						
Indicator	Rating Scale					Score																																													
	4	3	2	1																																															
a. Concept of Marketing Functions	If the concept of functions of Marketing is appropriately written	If the concept of functions of Marketing is appropriately written in most cases	If the concept of functions of Marketing is appropriately written in a partial manner	If only the concept of Functions of Marketing is written																																															
b. Concepts of Buying and Selling and their importance	If the concepts of Buying and Selling are appropriately written with 5 importance of each	If the concepts of Buying and Selling are appropriately written with 4 importance of each	If the concepts of Buying and Selling are appropriately written with 3 importance of each	If the concepts of Buying and Selling are appropriately written with 1/2 importance of each																																															
c. Concepts of Transportation and Warehousing and their benefits	If the concepts of Transportation and Warehousing are appropriately written with 5 importance of each	If the concepts of Transportation and Warehousing are appropriately written with 4 importance of each	If the concepts of Transportation and Warehousing are appropriately written with 3 importance of each	If the concepts of Transportation and Warehousing are appropriately written with 1/2 importance of each																																															
d. Concepts of Standardization and Grading and their benefits	If the concepts of Standardization and Grading are appropriately written with 5 importance of each	If the concepts of Standardization and Grading are appropriately written with 4 importance of each	If the concepts of Standardization and Grading are appropriately written with 3 importance of each	If the concepts of Standardization and Grading are appropriately written with 1/2 importance of each																																															
e. Concept of Packaging and its importance	If the concept of Packaging and 8 of its importance are written appropriately	If the concept of Packaging and 6/7 of its importance are written appropriately	If the concept of Packaging and 4/5 of its importance are written appropriately	If the concept of Packaging and 2/3 of its importance are written appropriately																																															
Total																																																			

Marks Obtained	Comments
16-20	Excellent
14-15	Very good
10-13	Good
9 or below 9	Needs improvement

**Assignment for HSC Examinees, 2021**

Subject: Finance, Banking & Insurance

Paper: 2nd

Subject Code: 293

Level: HSC

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric					Com 'ts
				Indicator	Rating Scale				
4  Second Chapter: Central Bank	Determining the role of the Central Bank in economic development, controlling the money market, and settling inter-bank receipts and payments/mutual indebtedness	Students will be able to <ul style="list-style-type: none"> <li>Explain the concept and the functions of the Central Bank</li> <li>Explain the scope of the Central Bank</li> <li>Analyze the functions of the Central Bank in controlling the money market</li> <li>Explain the concept and the importance of clearinghouse.</li> </ul>	While determining the role of the central bank in economic development, controlling the money market, and settling inter-bank receipts and payments, consider the following points: <ul style="list-style-type: none"> <li>Explain the concept of the central bank</li> <li>Describe the scope of the central bank</li> <li>Describe the functions of the central bank</li> <li>Explain the credit-control technology or methods of the central bank in controlling the money market</li> <li>Explain the importance of the clearinghouse.</li> </ul>						
					4	3	2	1	
				a. Concept of central bank	The concept of central bank is explained with 3 examples	The concept of central bank is explained with 1 example	Concept of the central bank explained	Minimum concept of central bank explained	
				b. Scope of central bank	4 scopes of central bank explained	3 scopes of central bank explained	2 scopes of central bank explained	1 scope of central bank explained	
				c. General functions of central bank	4 general functions of the central bank described	3 general functions of central the bank described	2 general functions of the central bank described	1 general function of the central bank described	
				d. Credit control methods of central bank	3 quantitative and 1 qualitative/selective methods of credit control policies of the central bank are explained	3 quantitative methods of credit control policies of the central bank are explained	2 quantitative methods of credit control policies of the central bank are explained	1 quantitative method of credit control policies of the central bank is explained	
				e. Importance of clearinghouse use	4 importance of clearinghouse described	3 importance of clearinghouse described	2 importance of clearinghouse described	1 importance of clearinghouse described	
<b>Total</b>									
<b>Total marks for this assignment: 20</b>									

Marks Obtained	Comment
16-20	Excellent
14-15	Very good
10-13	Good
0-9	Needs improvement





Assignment for HSC Examinees, 2021

Subject: Higher Mathematics

Paper: 2<sup>nd</sup>

Subject Code: 266

Level: HSC

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric	Com 'ts																																																				
04 Chapter-VII  (Inverse Trigonometric Functions & Trigonometric Equation)	<b>The solution about the trigonometric function and equation related problem:</b>  $f(x)=\sin x$ and $g(x)=\tan^{-1}x$	<b>Students will be able to:</b> • Explain inverse relation of trigonometric functions and determine their principal values. • Determine the general solution of trigonometric equation. • Find the solution of trigonometric equation in a certain interval.	a. Show that $\sec^2(g(5)) + \operatorname{cosec}(g(\frac{1}{2})) = 31$  b. If $f^{-1}(x) - \cos^{-1}y = \frac{\pi}{6}$ then prove that $4(x^2+y^2-xy) = 3$ (Applying the formula $\sin^{-1}x + \cos^{-1}x = \frac{\pi}{2}$ or Remove the trigonometric function by using any other appropriate way)  c. If $f(\pi \cos \theta) = f(\frac{\pi}{2} \pm \pi \sin \theta)$ Then show that $4\theta \pm \pi = 4 \sec^{-1}(2\sqrt{2})$  d. Solve the equation: $\frac{1}{f(2x)} - \frac{\sqrt{3}}{f(\frac{\pi}{2} - 2x)} = 4$  E. When the interval $0 < \theta < 2\pi$ then solve the equation: $1 + f(\frac{\pi}{2} - \theta) + f(\frac{\pi}{2} - 2\theta) = 0$	<table border="1"> <thead> <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> </thead> <tbody> <tr> <td>a</td> <td></td> <td></td> <td>Proved</td> <td>Put the value of function</td> <td></td> </tr> <tr> <td>b</td> <td></td> <td>Proved</td> <td>Removed the trigonometric function</td> <td>Put the value of function</td> <td></td> </tr> <tr> <td>c</td> <td></td> <td>Proved</td> <td>Removed sine</td> <td>Put the value of function</td> <td></td> </tr> <tr> <td>d</td> <td>Determined the general solution</td> <td>Applied formula</td> <td>Removed the trigonometric fraction.</td> <td>Put the value of function</td> <td></td> </tr> <tr> <td>e</td> <td>Determined the solution in the interval</td> <td>Determined the general solution</td> <td>Applied formula</td> <td>Put the value of function</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>Total</b></td> <td></td> </tr> <tr> <td colspan="6"><b>Total marks for this assignment: 16</b></td> </tr> </tbody> </table>	Indicator	Rating Scale				Score	4	3	2	1	a			Proved	Put the value of function		b		Proved	Removed the trigonometric function	Put the value of function		c		Proved	Removed sine	Put the value of function		d	Determined the general solution	Applied formula	Removed the trigonometric fraction.	Put the value of function		e	Determined the solution in the interval	Determined the general solution	Applied formula	Put the value of function		<b>Total</b>						<b>Total marks for this assignment: 16</b>						
Indicator	Rating Scale					Score																																																			
	4	3	2	1																																																					
a			Proved	Put the value of function																																																					
b		Proved	Removed the trigonometric function	Put the value of function																																																					
c		Proved	Removed sine	Put the value of function																																																					
d	Determined the general solution	Applied formula	Removed the trigonometric fraction.	Put the value of function																																																					
e	Determined the solution in the interval	Determined the general solution	Applied formula	Put the value of function																																																					
<b>Total</b>																																																									
<b>Total marks for this assignment: 16</b>																																																									

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

Assignment for HSC Examinees, 2021

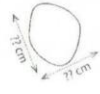
Subject: Biology

Paper: 2nd

Subject Code: 179

Level: HSC

Assignment Number, Chapter Number, Chapter Title	Assignment	Learning Outcomes	Guidelines (cues/steps or stages)	Assessment Criterion /Rubric					Com'ts
				Indicator	Rating Scale				
				4	3	2	1		
4 Chapter 2: Introduction to Animal	Observation of the external structure of Rohu / Taki or similar fish	Learners will be able to describe the structure of Rohu Fish	1. Necessary components: One Rohu/Taki Fish (any other fish if those are not available), Scale, Measurement tape (suitable for measuring in centimeter). If necessary, measurement can be taken with yarn and then putting it on the scale. All measurements of length and width will be in units of centimeters. 2. For the assignment, two tables should be made on an A4 or similar size paper (see the next page). 3. When measuring the body size of the fish, the maximum length should be taken from the mouth to the end of the tail. For the maximum width, the part of the body that is widest from the chest to the surface should be measured. This measure should be taken except fins. 4. In the case of other parts also, the measurement should be written in the table as per the instructions. In the case of lateral lines and several distances, it is enough to mention only the length. In the case of fins, the maximum length and the maximum width should be specified. 5. Two scales- one from the surface and another from the thoracic region should be taken and dried. Then keeping them in the specified box of Table-1 (1-4 and 1-5), outlines have to be drawn with a pen.	a. To measure total 9 in Table- 1 (external structure) (1-1 and 1-2).	At least 8 of the nine boxes filled up in an acceptable way.	6-7 of the nine boxes filled up in an acceptable way.	3-5 of the nine boxes filled up in an acceptable way.	1-2 of the nine boxes filled up in an acceptable way.	
				b. To measure a total 8 of 1-3 in Table -1 (external structure).	All 8 boxes filled up in an acceptable way.	6-7 of the eight boxes filled up in an acceptable way.	3-5 of the eight boxes filled up in an acceptable way.	1-2 of the eight boxes filled up in an acceptable way.	
				c. Placing and measuring two samples of scales in Table 1 (1-4 and 1-5)	To be able to specify placing and measuring of two samples in an acceptable way.	To be able to place two samples but specify the measurement of one in an acceptable way.	To be able to place one of two but specify the measurement of one sample in an acceptable way.	To be able to place one of two samples in an acceptable way	
				<b>Total</b>					
				<b>Total marks for this assignment: 12</b>					

		<p>Then along the vertical and horizontal axes of each of the two scales, the length and width should be mentioned as in the picture above. '??' mark in the diagram will be replaced by numbers.</p> 		
--	--	---	--	--

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

**Table of Assignment**

Table -1: External Structure		
1-1: Head part	Maximum length(cm)	Maximum width(cm)
• Body of fish		
• Eye		
• Operculum		
1-2: Head and lateral line		Length(cm)
• The lateral line of any one side		
• The distance from the nostrils on any one side to the eyes of that side.		
• The distance from the nostrils on any one side to the mouth of that side.		
1-3: Fin	Maximum length(cm)	Maximum width(cm)
• Dorsal fin		
• Caudal fin		
• The pectoral fin of any one side		
• The pelvic fin of any one side		
1-4: Sample of a Dorsal fin (with the measurement in cm)	1-5: Sample of a Pectoral fin (with the measurement of cm)	