

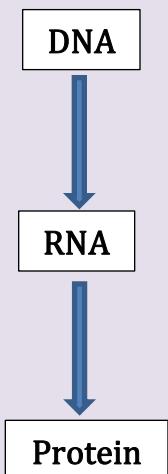
Assignment for the students participating in the 2022-HSC examination.
5th Week

Subject: Biology

Paper: 1st paper

Subject code: 178

Level: HSC

Serial no. of Assignment	Assignment	Learning outcomes/ Contents	Instructions (Signal / step / edge)	Evaluation instructions (Rubrics)					Re ma rks																																				
1. Chapter-1 Cell and its Structure	 <pre> graph TD DNA[DNA] --> RNA[RNA] RNA --> Protein[Protein] </pre>	<ul style="list-style-type: none"> • Be able to explain the structure and function of DNA and RNA. • Be able to explain the process of transcription. • Be able to describe the translation. 	<ul style="list-style-type: none"> • Physical structure of DNA with Diagram. • The process of making RNA from DNA with diagram. • The process of making Protein from RNA with diagram. 	<table border="1"> <thead> <tr> <th data-bbox="897 424 1003 514">Indicative</th> <th colspan="4" data-bbox="897 514 1890 546">Level of Performance/ Number</th> <th data-bbox="1911 424 1974 514">Sc or e</th> </tr> <tr> <th data-bbox="897 514 1003 546">4</th> <th data-bbox="1235 514 1341 546">3</th> <th data-bbox="1446 514 1552 546">2</th> <th data-bbox="1657 514 1763 546">1</th> </tr> </thead> <tbody> <tr> <td data-bbox="897 546 1003 726">1. Illustration of the Physical structure of DNA with diagram.</td> <td data-bbox="1235 546 1341 726">The physical structure of DNA can describe accurately with labelled diagram.</td> <td data-bbox="1446 546 1552 726">The physical structure of DNA can be partially described with labelled diagram.</td> <td data-bbox="1657 546 1763 726">Can draw the labelled diagram of DNA.</td> <td data-bbox="1784 546 1932 726">Only can draw the diagram of DNA.</td> </tr> <tr> <td data-bbox="897 726 1003 971">2. Illustration of the process of making RNA from DNA with diagram.</td> <td data-bbox="1235 726 1341 971">The process of making RNA from DNA can describe with diagram.</td> <td data-bbox="1446 726 1552 971">The process of making RNA from DNA can be partially describe with diagram.</td> <td data-bbox="1657 726 1763 971">Only can draw the diagram of the process of making RNA from DNA</td> <td data-bbox="1784 726 1932 971">Only can write what is the process of making RNA from DNA.</td> </tr> <tr> <td data-bbox="897 971 1003 1150">3. Illustration of the process of making protein from RNA with diagram.</td> <td data-bbox="1235 971 1341 1150">The process of making protein from RNA can describe with diagram.</td> <td data-bbox="1446 971 1552 1150">The process of making protein from RNA can describe partially with diagram.</td> <td data-bbox="1657 971 1763 1150">Only can draw the diagram of the process of making protein from RNA.</td> <td data-bbox="1784 971 1932 1150">Only can write what is the process of the protein making from RNA.</td> </tr> <tr> <td align="center" colspan="4" data-bbox="897 1150 1003 1199">Total</td><td align="center" colspan="2" data-bbox="1784 1150 1932 1199">Total allotted marks for Assignment-1 are 12.</td></tr> </tbody> </table>	Indicative	Level of Performance/ Number				Sc or e	4	3	2	1	1. Illustration of the Physical structure of DNA with diagram.	The physical structure of DNA can describe accurately with labelled diagram.	The physical structure of DNA can be partially described with labelled diagram.	Can draw the labelled diagram of DNA.	Only can draw the diagram of DNA.	2. Illustration of the process of making RNA from DNA with diagram.	The process of making RNA from DNA can describe with diagram.	The process of making RNA from DNA can be partially describe with diagram.	Only can draw the diagram of the process of making RNA from DNA	Only can write what is the process of making RNA from DNA.	3. Illustration of the process of making protein from RNA with diagram.	The process of making protein from RNA can describe with diagram.	The process of making protein from RNA can describe partially with diagram.	Only can draw the diagram of the process of making protein from RNA.	Only can write what is the process of the protein making from RNA.	Total				Total allotted marks for Assignment-1 are 12.											
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Number range	Remarks
10-12	Excellent
8-9	Better
6-7	Good
Less than 6	Improvement required