YEAR 12- Batch 1 & 2 - BIOLOGY

WEEK 6 (4th Oct to 8th Oct)

Work sent to students through Class Bio Whats App Group /Google Classroom

Topic 2 .2– Prokaryotes

L.O –Recall the ultra structure of prokaryotic cells , Gram Staining technique & Classification of Bacteria based on cell wall structure ,shape & mode of respiration .

Biology Students Book 1

B1- Tuesday – 4th period(Zoom) **B2 – Monday – 5th period(Zoom)**	**Discussion** of work sheet & text book questions related to prokaryotes & **Clarifying** doubts of students . **Students able to** ●Label the various parts of bacterial cell . ●Explain role of structural components within bacteria , ●Compare ways of classifying bacteria & describe the staining techniques in bacteria . ●Significance of endosymbiont theory **Resources:** Prokaryote worksheet & Text book and Exam Style Questions **Pg.97,108 &109**
B1 - Thursday – 1st period(Zoom) **B2 - Wednesday – 5th period (Zoom)**	**Assessment via Google forms - 20 marks** **Topic 2 .2 Prokaryote – Pg.94 - 97**
B1 - Thursday– 2nd period **B2 - Monday – 8th period**	**GC-Asynchronous learning** **Students to research on Protein trafficking within cells and task to be turned in GC (include various organelles, relevant pictures or diagrams & references)**

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Topic 1-Biological molecules 2-Nucleic Acids

L.O - Understand how DNA replicates semi conservatively including the role of DNA helicase, polymerase and ligase & relate the structure of the DNA molecule to the way in which it replicates

Biology Students Book 1

B1- Sunday – 8th period (Z) **B2- Tuesday – 3rd period (Z)**	**Assessment via Google forms-20 marks** **Topics-1.1 and 1.2[Text Book Page Nos-8 to 28]**
B1 - Monday – 1st & 2nd period (Zoom) **B2- Thursday – 5th and 6th period(Zoom)**	**Students able to-** **Describe** semi-conservative method of replication. **Explain** the functions of DNA polymerase, ligase, helicase. **Video and PPT:** DNA replication **Websites:** www.science.co.uk/biology/dnareplication.html, www.internet4classrooms.com There are some good interactive resources in the 'Code' section at www.dnai.org. **BOARD WORKS- Nucleic acids-No -14-19** **Worksheet – Nucleic Acids and Protein Synthesis** **Text Book Page Numbers – 40-43**