

YEAR 13 Batch 1 & 2 - BIOLOGY

WEEK 12 (15th Nov – 19th Nov)

Work sent through Google classroom/G mail/Online Quiz/ZOOM Learning Platform

Topic 6-Microbiology and pathogens [6.2.3 ,6.3.1–Protozoa as pathogen.Non-specific response to pathogen]

L.O-Expain protozoa as pathogens and Non specific response to infection

Biology Students Book 2

<p>B2- Sunday – 0 period (Zoom)</p> <p>B1- Tuesday –5 th period (Zoom)</p>	<p>Students able to- Explain the transmission ,mode of infection and pathogenic effect of plasmodium -Protozoa BOARD WORKS-AS—Infectious diseases 6-12</p> <p>Video and PPT: Structure and reproduction of protozoa</p> <p>www.internet4classrooms.com</p> <p>www.science.co.uk/biology/plasmodium.html,</p> <p>Text Book Page Numbers – 70-73</p>
<p>B1- Thursday – 1st and 2nd period(Zoom)</p> <p>B2 - Monday – 8th & Thursday 7th period (Zoom)</p>	<p>Students able to- ●Understand the mode of action of macrophages and neutrophils. ●Explain mode of action of second line of defence</p> <p>BOARD WORKS-AS—Infectious diseases 6-12</p> <p>Video and PPT: www.science.co.uk/biology/second_line_of_defence_mechanisms.html, www.internet4classrooms.com.</p> <p>Visit www.nobelprize.org and work through the interactive on immune responses. Click on ‘Educational’.</p> <ul style="list-style-type: none">● A series of short video clips of phagocyte action can be found at www.cellsalive.com (go to ‘Immune Response’). <p>An interactive overview of immune responses is available at www.nobelprize.org (click on ‘Educational’).</p> <p>Text Book Page Numbers – 78-80</p> <p>Find out about the work on immunology by Mechnikov and Ehrlich for which they were awarded the Nobel Prize in 1908</p> <p>. Hospitals in UAE will analyse the origin ,Maturation and mode of action of phagocytes.Find out more information.</p>

YEAR 13 Batch 1 & 2 - BIOLOGY

WEEK 12 (15th Nov – 19th Nov)

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

Topic 5.2:- Photosynthesis

L.O – Describe the role of photosynthetic pigments in photosynthesis. Explain the light-dependent reactions of photosynthesis. Describe & compare the light-independent reactions of photosynthesis to light-dependent reactions of photosynthesis.

Biology Students Book 2

<p>B2 - Sunday – 6th Period (Zoom)</p> <p>B1- Monday –1st Period (Zoom)</p>	<p>Students able to</p> <ul style="list-style-type: none"> ● Define the term photosynthetic pigment. ● Significance of photosynthetic pigments in photosynthesis. ● Predict the difference in absorption of red, blue & green light by chlorophyll. ● Differentiate absorption & action spectra . ● Compare PS1 & PS11 <p>Resources: Board works & PPT – Photosynthesis & Video link https://www.youtube.com/watch?v=dwz3qozDiyI https://www.youtube.com/watch?v=a7VrP8jc0Ng</p> <p>Students to complete Worksheet – Cellular respiration 3</p>
<p>B2 - Sunday –7th Period (Zoom)</p> <p>B1- Monday –2nd Period (Zoom)</p>	<p>Students able to</p> <ul style="list-style-type: none"> ● Recall the structure of chloroplast . ● Explain the role of water in the light-dependent stage. ● Compare cyclic & non Cyclic Photo phosphorylation . <p>Resources: Board works & PPT – Photosynthesis & Video link https://www.youtube.com/watch?v=k_R6i6Rmq7k https://www.youtube.com/watch?v=GSnBKk5Q7Cw</p> <p>Students to complete Worksheet – Cellular respiration 3</p>
<p>B2 - Monday– 3rd Period (Zoom)</p> <p>B1 -Tuesday – 4th Period (Zoom)</p>	<p>Students able to</p> <ul style="list-style-type: none"> ● Identify the chemical conversions during Calvin Cycle(ribulose bisphosphate (RuBP), ribulose bisphosphate carboxylase (rubisco) and glycerate 3-phosphate (GP) & TP ● Explain the role of carbon dioxide in the light-independent stage (Calvin cycle). ● State that TP can be used to make carbohydrates, lipids and amino acids <p>Resources: Board works & PPT – Photosynthesis & Video link https://www.youtube.com/watch?v=c2ZTumtpHrs https://www.youtube.com/watch?v=KM61NKYvphQ</p> <p>Students to research on C3 & C4 plants</p>