

YEAR 12 A - BIOLOGY

Week 8 (10th May to 14th May)

Topic 1- Biological Molecules

L.O- Structure and functions of Carbohydrate ,proteins ,lipids, nucleic acids ,enzymes

Biology worksheet file, past papers and text book

Sunday – 8th period	Asynchronous learning-Research work The body uses many resources to maintain a relatively constant internal environment .With reference to proteins ,explain why constant internal environment conditions are so important and task to be turned in Google classroom
Monday-1st Period	Zoom class-- Revision and discussion of topic wise questions on Biological molecules 2-1.3[Text Book - Page number 36 to 52] Students able to <ul style="list-style-type: none">● recall Structure and functions of Carbohydrate ,proteins ,lipids, nucleic acids ,enzymes
Monday -2nd period	Class work in GC —Complete the revision questions based on the topic 1.3 and upload your answers [Text Book -Page number 36 to 52] Students able to <ul style="list-style-type: none">● recall Structure and functions of Carbohydrate ,proteins ,lipids, nucleic acids ,enzymes

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

Topic 3.2 .4– Speciation

L.O – Discuss role of Speciation in Evolution. Differentiate Allopatric & Sympatric speciation with relevant examples. Significance of Pre zygotic & Post zygotic mechanisms , Adaptive radiation, Cichlid speciation and Endemic Species

Biology Students Book 1

Tuesday – 4th Period	<p>Students to recall concepts on antibiotic/Warfarin resistance & adaptive radiation linked to evolution.</p> <p>Students to research on Allopatric & Sympatric speciation with relevant examples and discuss them during the zoom interaction.</p> <p>Resources: PowerPoint & Video link https://www.youtube.com/watch?v=8yvEDqrc3XE https://www.youtube.com/watch?v=jnsl-BXp_1g</p>
Thursday – 1st Period	<p>Students to recall concepts on Allopatric & Sympatric speciation with relevant examples.</p> <p>Students to research on Pre zygotic & Post zygotic mechanisms , Adaptive radiation - Cichlid and Endemic Species and discuss them during the zoom interaction.</p> <p>Resources: PowerPoint & Video link https://www.youtube.com/watch?v=VI8OsBJF7PM https://www.youtube.com/watch?v=xRFV5fogo4g</p>
Thursday– 2nd Period	<p>Topic - 2.2 iv & 3.2 iv - To recall concepts on Cloning ,use of Agrobacterium tumefaciens in producing plant vaccines .Evaluate the role of virus particles in producing vaccine .</p> <p>Case study : Agro infiltration - Plants as Bio Factories linked to Vaccine production – use of gene technology & cloning techniques to create GM plants producing vaccine .</p> <p>Students to watch the following links on Agro infiltration & introduction posted on GC https://www.youtube.com/watch?v=wDt7s9euS4A https://www.youtube.com/watch?v=Ysnu8P66YiA</p> <p>Students to answer the questions that follow in the case study task posted on Google classroom</p>

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Topic 3.2 .4– Speciation

L.O – Discuss role of Speciation in Evolution. Differentiate Allopatric & Sympatric speciation with relevant examples. Significance of Pre zygotic & Post zygotic mechanisms , Adaptive radiation, Cichlid speciation and Endemic Species

Biology Students Book 1

Monday – 5th Period	<p>Students to recall concepts on antibiotic/Warfarin resistance & adaptive radiation linked to evolution.</p> <p>Students to research on Allopatric & Sympatric speciation with relevant examples and discuss them during the zoom interaction.</p> <p>Resources: PowerPoint & Video link https://www.youtube.com/watch?v=8yvEDqrc3XE https://www.youtube.com/watch?v=jnsl-BXp_1g</p>
Monday – 8th Period	<p>Students to recall concepts on Allopatric & Sympatric speciation with relevant examples.</p> <p>Students to research on Pre zygotic & Post zygotic mechanisms , Adaptive radiation - Cichlid and Endemic Species and discuss them during the zoom interaction.</p> <p>Resources: PowerPoint & Video link https://www.youtube.com/watch?v=Vl8OsBJF7PM https://www.youtube.com/watch?v=xRFV5fogo4g</p>
Wednesday – 5th Period	<p>Topic - 2.2 iv & 3.2 iv - To recall concepts on Cloning ,use of Agrobacterium tumefaciens in producing plant vaccines .Evaluate the role of virus particles in producing vaccine.</p> <p>Case study : Agro infiltration - Plants as Bio Factories linked to Vaccine production – use of gene technology & cloning techniques to create GM plants producing vaccine .</p> <p>Students to watch the following links on Agro infiltration & introduction posted on GC https://www.youtube.com/watch?v=wDt7s9euS4A https://www.youtube.com/watch?v=Ysnu8P66YiA</p> <p>Students to answer the questions that follow in the case study task posted on Google classroom</p>

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Work sent through Google classroom/G mail/Online Quiz

Topic 1- Biological Molecules

L.O- Structure and functions of Carbohydrate ,proteins ,lipids,nucleic acids ,enzymes

Biology worksheet file, past papers and text book

Tuesday -3rd period	Asynchronous learning-Research work The body uses many resources to maintain a relatively constant internal environment .With reference to proteins ,explain why constant internal environment conditions are so important and task to be turned in Google classroom
Thursday-5th Period	Zoom class-- Revision and discussion of topic wise questions on Biological molecules 2-1.3[Text Book -Page number 36 to 52] Students able to <ul style="list-style-type: none">● recall Structure and functions of Carbohydrate ,proteins ,lipids, nucleic acids ,enzymes
Thursday 6th Period	Class work in GC—Complete the revision questions based on the topic 1.3 and upload your answers [Text Book -Page number 36 to 52] Students able to <ul style="list-style-type: none">● recall Structure and functions of Carbohydrate ,proteins ,lipids, nucleic acids ,enzymes