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Paper Code: BS-BIO301 Biology UPID: 003488

Time Allotted: 3 Hours

Full Marks:70

The Figures in the margin indicate full marks.

Condidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following:	[1 x 10 = 10]
Which organelle is responsible for photosynthesis in plant cell?	
Write down the name of six classes of microbes.	
Who is the father of genetics	
(IV) What is the chemical composition of bacterial cell wall?	
Give an example of multiple aliele.	
Which organelle is known as protein factory of cell?	
What is the monomer of microtubule?	
Which organelle is known as suicidal sac of the cell?	
Which organelle is known as powerhouse of cell?	
Now many molecules of pyruvate are produced at end of glycolysis?	
Write an example of physical anti-microbial agent.	
What are the nitrogenous bases present in DNA?	
Group-B (Short Answer Type Question)	
Answer any three of the following:	[5 x 3 = 15]
Z Describe eukaryotic transcription process.	[5]
Write a short note on CAM photosynthesis.	[5]
4. Write a short note on cyclic photophosphorylation.	[5]
5. Write a short note on incomplete dominance.	[5]
Write down the properties of generic code.	[5]
Group-C (Long Answer Type Question)	
Answer any three of the following:	[15 x 3 = 45]
A: Write down the identifying properties of algae, archaea and virus.	[5+5+5]
the transfer of the contract o	[2]
the state and on cellulose and starch.	[5]
(c) Write down different types of monosaccharide on the basis of the number of carbon atom.	[8]
	[8]
ATP will be synthesized under aerobic cellular respiration.	[7]
(b) Calculate how many molecules of ATT will be system. (a) Define saturated fatty acid, unsaturated fatty acid, essential fatty acid and non-essential fatty acid.	[8]
(b) Write down the function of lipid.	
(c) What is wax? Give example of animal wax and plant wax.	[3]
11. Write down law of independent assortment with proper explanation.	[15]
711. Write down law of morphism	

*** END OF PAPER ***