

ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Biological	Sciences	Class: XI	Date: 26 .06.2020
(Unit –I)	<u>Ch-3- Bacteria and</u>	l Cyanobacteria	FM: 15
	<u>N</u>	<u>/ORKSHEET – 11</u> (ANSW	/ERS) (1x15=15)
i) The scientist who first demonstrated the procedure for Gram staining was			
(1) Christian Gram	(2)John Gram	(3)Albert Gram	(4) Simon Gram
ii) The primary stain in the Gram staining procedure is			
(1) Safranin	(2) Iodine	(3) Crystal Violet	(4) Eosin
iii) The fixation process in Gram staining was done with			
(1) 1% Iodine	(2) 0.5% Iodine	(3) 0.9% Iodine	(4) 3% lodine
iv) Which of the following is not a Gram positive Bacteria?			
(1) Staphylococcus	(2) Bacillus	(3) Streptococcus	(4) Salmonella
v) Which of the stain i	s retained by the Gr	am positive bacteria?	
(1) Crystal Violet	(2) lodine	(3) Safranin	(4) All of them
vi) Which of the following layers is absent in Gram negative bacteria?			
(1) Lipopolysaccharide	(2) Peptidoglycan	(3) Teichoic Acid	(4) Outer membrane
vii) Which of the following layers help in retention of the primary stain in Gram positive			
bacteria?			
(1) Lipopolysaccharide	(2) Plasma membra	ane (3) Peptidoglycan	(4) Periplasmic space
viii) <i>E. coli</i> is less susceptible to antibodies because of -			
(1) Cell wall	(2) Cell membrane	e (3) Outer membrane	(4) All of these
ix) The central part of the cytoplasm where the naked circular DNA lies is known as			
(1) Protoplasm	(2) Centroplasm	(3) Nucleoplasm	(4) Chromoplasm
x) The thick walled cells which are present in the filamentous cyanobacteria is			
(1) Endospore	(2) Heterocyst	(3) Akinete	(4) Hormogonia
xi) Which of the following is not a type of phycobillin?			
(1) Phycocyanin	(2) Allophycocyani	n (3) Phycoerythrin	(4) Chlorophyll a
xii) The lipoprotein cell membrane becomes folded at some places in cyanobacteria which are called			
(1) Mesosomes	(2) Ribosomes	(3) Lamellosomes	(4) Polyribosomes
xiii) If the trichome filar	nent has undifferent	iated cells, it is called-	
(1) Homocystous	(2) Heterocystous	(3)Equicystous	(4) Semicystous
xiv)Gaidukov phenomenon shown by some of the organisms of cyanobacteria is a phenomenon			
of adaptation			
(1) Chromatic	(2) Morphological	(3)Ecological	(4)Genetic
xv) Which of the following character in cyanobacteria is unlike bacteria?			
(1) 70S ribosomes	(2) Nucleoid	(3) Phycobillins	(4) Presence of slime layer

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