ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Biological Sciences **Class: XI** **Date: 25 .06.2020**

(Unit –I) **Ch-3- Classification of Living Organisms (Bacteria)** **FM: 15**

WORKSHEET – 10 (Answers) **(1x15=15)**

i) Which of the following is the most common mode of reproduction in bacteria?
(1) Budding **(2)Binary fission** (3)Fragmentation (4) Multiple fission

ii) Which of the following layers protect the cell from antibodies?
(1) Cell membrane (2) Cell wall (3) Protoplast **(4) Slime layer**

iii) When the slime layer accumulates slime to form a thick layer , it is called
(1) Cell wall (2) Mesosomes (3) Cell membrane **(4) Capsule**

iv) Mesosomes are formed from the infolding of
(1) **Cell membrane** (2) Cell wall (3) Slime layer (4) Protoplast

v) Which of the following is also called 'incipient mitochondria'?
(1) Plasmid (2) Polyribosomes **(3) Mesosomes** (4) Ribosomes

vi) When the plasmids associate with the 'nucleoid', it is also called-
(1) **Episome** (2) Mesosome (3) Ribosomes (4) Polyribosomes

vii) The mesosomes are found in-
(1) **Gram positive bacteria** (2) Gram negative bacteria (3) All bacteria (4) None of these

viii) Which of the following is not found in bacteria?
(1) Carotenoids (2) Bacteriochlorophyll (3) Bcateriophaeophytin **(4) Chlorophyll a**

ix) Which of the following makes up the structure of flagella?
(1) Keratin **(2) Flagellin** (3) Actin (4) Pilin

x) When several ribosomes are attached to a strand of mRNA it is called
(1) Nucleoid (2) Mesosomes **(3) Polyribosomes** (4) None of these

xi) Which of the following is not a reserve food in bacteria?
(1) Glycogen (2) Volutin **(3) Starch** (4) Elemental Sulphur

xii) The shape of *Vibrio cholera* is
(1) Oval (2) Spiral (3)Helical **(4) Comma - shaped**

xiii) The cell of *Caulobacter* is
(1) Spherical (2) Rod-shaped **(3)Prosthecate** (4) Spiral

xiv) Which of the following is not true about the genetic material of bacteria?
(1) They lack nucleus (2) Double stranded (3)DNA lack histones **(4)Spindle is formed during cell division**

xv) Genetic recombination in bacteria does not take place through
(1) Conjugation **(2) Crossing over** (3) Transformation (4) Transduction

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