PG-CET-BOTANY PRACTICE BITS ON "CELL-BIOLOGY"-1

 Which structure determines the shape of cell in Bacteria? 1) Capsule 2) Slime layer 3) Glycocalyx 4) Cell wall 	[4]
 2) Cell wall is absent in 1)Euglena 2) Algae 3) Bacteria 4) Yeast 	[1]
3) Find out the correct combination. 1) Archaebacteria - Mycolic acid2) Actinomycetes - Pseudomurein3) Eubacteria-Murein4) Ascomycetes-Cutin	[3]
 4) Which of the following structures are found in both Eukaryotes and prokaryotes 1) Ribosomes 2) Cell membrane 3) Cytoplasm 4) All of these 	[4]
5) Find out the mismatch1) Living cells-Leeuwenhoek2) Dead cells - Robert Brown3) Cell wall- Robert Hooke4) Cell membrane - Schwann	[2]
6) Which of the following is not a function of mesosome?1) Photosynthesis 2) Respiration 3) Absorption 4) Secretion	[1]
 7) Which of the following is not a function of cell wall? 1) It provides a definite shape 3) it acts as semipermeable membrane 4) If gives protection 	[3]
8) Find out the wrong one2) Cytosol + cell organelles = cytop1) Protoplasm - Nucleus = Cytosol2) Cytosol + cell organelles = cytop3) Protoplast - cell membrane = protoplasm4) Cytoplasm + Nucleus = Protoplast	
 9) The main site of cellular activities in living cells is 1) Nucleus 2) Cell membrane 3) Cytosol 4) Cytoplasm 	[4]
 10) Enzyme catalase is found in 1) Lysosome 2) Peroxisome 3) Glyoxysome 4) Golgi complex 	[2]
 11) Which of the following non-membrane structure does not found in prokaryotes 1) Ribosome 2) Basal body 3) Inclusion bodies 4) Nucleolus 	? [4]
12) Autonomic genome system is found in1) Mitochondria & Chloroplast2) Mitochondria & Ribosomes3) Chloroplast & Nucleus4) Mitochondria & Nucleus	[1]

 13) Find out the incorrect statement. 1) Chromosomes was coined by Hoffmeister 2) Nucleus was discovered by Robert Brown 3) Chromatin was named by Fleming 4) Nucleolus was discovered by Fontana 	[1]
14) Histones proteins are rich in1) Lysine & Histidine2) Histidine & Arginine3) Leucine & Arginine4) Lysine & Arginine	[4]
 15) Binucleate condition is not found in 1) Tapetum 2) Phycomycetes 3) Ascomycetes 4) Basidiomycetes 	[2]
 16) Which of the following is not a function of peroxisome? 1) Detoxification of H2O2 3) Synthesis of phospholipids 4) Catabolism of long chain fatty acids 	[2]
 17) Which of the following does not have 9+2 arrangement? 1) Centriole 2) Prokaryotic flagella 3) Eukaryotic cilia 4) Both 1 & 2 	[4]
 18) Polymorphic cell organelles are 1) Lysosomes 2) Ribosomes 3) Plastids 4) Both 1 & 3 	[4]
 19) Find out the wrong match 1) Spirogyra -ribbon shaped chloroplast 2) Zygnema - star shaped chloroplast 3) Chlamydomonas - Girdle shaped chloroplast 4) Oedogonium - Reticulate chloroplast 	[3]
 20) Find out the anucleated living plant cell at maturity 1) Sieve cell 2) Sieve tube member 3) Companion cell 4) Xylem vessel 	[2]
 21) Find out the mismatch 1) Gram stainingChristian de Duve 3) Omnis cellula-e-cellula—Virchow 2) Fluid Mosaic ModelSinger & Nic 4) Father of cell Biology -Robert Hoc 	
 22) Which structure is responsible in synthesis of sugars in Eubacteria? 1) Mesosomes 2) Chloroplast 3) Chromatophore 4) Plasmid 	[3]
23) Which of the following structures are found in both Eukaryotes and prokaryote1) Ribosomes 2) Cell membrane 3) Cytoplasm 4) All of these	es? [4]

24) Which of the following double membrane bound structures are common in both eukaryotic plant and animal cells?	[4]
1) Plastids 2) Nucleus 3) Mitochondria 4) Both 2 & 3	
 25) In germinating seeds, fatty acids are degraded in 1) Peroxisome 2) Glyoxysomes 3) SER 4) G.C 	[2]
26) Ribosomes are composed of 1) RNA + Histones 2) DNA + Proteins 3) RNA + Proteins 4) DNA + Histones	[3] s
 27) Which of the following does not act as Ribozyme? 1) RNase 2) 23 s r-RNA 3) 28 s r-RNA 4) RNA polymerase 	[4]
28) Which of the following is involved in ATP synthesis?1) Mitochondria 2) Chloroplast 3) Mesosome 4) All of these	[4]
 29) Spindle fibres are formed in higher plants from 1) Centriole 2) Basal body 3) Microtubules 4) Micro filaments 	[3]
 30) Duplication of centrioles occurs during 1) G1-phase 2) S-phase 3) G2-phase 4) Prophase 	[2]

ALL THE BEST

By D.R