PAPER CODE:3037

B.Sc. Sem. 1 (Old Course)

July Sept 2021

Microbiology : Paper – MB- SE-101(*Cell biology)*

કુલ સમય :– ૩૦ મીનીટ કુલ પ્રશ્નો : ૩૫ વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૨૫

નોંધ : વિદ્યાર્થીએ માત્ર ૨૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૨૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

Q:1 The _____ is the basic unit of life.

(A) DNA (B) Cell (C) Nucleus (D) Body

Q:2 _____ cannot exist as single cells.

(A) Bacteria (B) Yeast (C) Protozoa (D) Higher plant & Animals

Q:3 The first person to observe and record cells was _____ (1635–1703)

(A) Robert Hooke (B) Watson and Crick (C) T. Schwann (D) Antony van Leeuwenhoek

Q:4 'All living organisms are composed of cells' called cell theory, Proposed by_____

(A) Robert Hooke (B) Watson and Crick

(C) M Schleiden and Theodor Schwann (D) Antony van Leeuwenhoek

Q:5 The microscopic study of cell structure organization is known as _____

(A) Bacteriology (B) Cytology (C) Virology (D) Mycology

Q:6 _____ is required to study the internal organelles of cell

(A) Light Microscope (B) Phase-contrast Microscope

(C) Fluorescence Microscope (D) Electron microscope : TEM & SEM

Q:7 _____ cells are said to be prokaryotic

(A) Yeast (B) Algal (C) Protozoan (D) Bacterial

Q:8 _____ are known as "suicidal bags" because

(A) Mesosomes (B) Golgi body (C) Plastosomes (D) Lysosomes

Q:9 Cells of photosynthetic plant tissues contain a special organelle

(A) Chloroplasts (B) Golgi body (C) Mesosome (D) Lysosomes

Q:10 AIDS is caused by

(A) HIV (B) TMV (C) CMV (D) Rubella Virus

Q:11 According to Endo-symbiotic theory, some eukaryotic organelles originated as free-living prokaryotes includes

(A) Nucleus & Mitochondria (B) Nucleus & Chloroplasts

(C) Mitochondria & Chloroplasts (D) All of the above

Q:12 _____ organelle is used to generate ATP for the Cell

(A) Mitochondrion (B) Lysosome (C) Ribosome (D) Chloroplast

Q:13 Unlike eukaryotes, prokaryotes lack

(A) Mitochondria (B) Chloroplasts (C) True nucleus (D) All of the above

Q:14 Peptidoglycan is present in cell wall of

(A) Yeast (B) Bacteria (C) Protozoa (D) Plant

Q:15 The _____is bounded by a nuclear envelope composed of two membranes

(A) Mitochondria (B) Lysosome (C) Nucleus (D) Chloroplast

Q:16 The extensive folding of inner membrane of _____ forms Cristae

(A) Mitochondria (B) Lysosome (C) Nucleus (D) Chloroplast

Q:17 _____ contain internal membranes called thylakoids

(A) Mitochondria (B) Lysosome (C) Nucleus (D) Chloroplast

Q:18 Litmus is obtained from _____

(A) Lichen (B) Algae (C) Slime mold (D) All of the above

Q:19 _____ are known as primary producers in Food chain

(A) Phytoplankton (B) Algae (C) Plants (D) All of the above

Q:20 Lichen is the mutualistic association between

(A) Protozoa & Algae (B) Bacteria & Algae

(C) Fungi & Algae (D) Bacteria & Algae

Q:21 Which of the following protozoan is responsible for Malaria

(A) *Plasmodium vivax* (B) *Entamoeba gingivalis*

(C) *Trypanosomalewsii* (D) *Trypanosomagambiense*

Q:22 A virus capsid is made up of _____.

(A) Capsomear protein (B) Lipoprotein (C) Nucleic acid (D) Lipopolysaccharide

Q:23 Phoagocytosis is seen in _____

(A) Protozoa (B) Virus (C) Fungi (D) Algae

Q:24 An infectious and fully formed viral particle is known as

(A) Prion (B) Virulant phage (C) Viroid (D) Virion

Q:25 Bacteriophage is

(A) Plant virus (B) Animal Virus (C) Human Virus (D) Bacterial virus

Q:26 _____ is normally found in Curd

(A) Saccharomyces yeast (B) Mucor (C) Aspergillus (D) *E.coli*

Q:27 _____ is the study of Fungi

(A) Bacteriology (B) agrology (C) Virology (D) Mycology

Q:28 _____fungi is widely used for Production of Antibiotics

(A) Rhizopus (B) Aspergillus (C) Penicillium (D) Mucor

Q:29 Bacterial growth can be prevented in media for Fungal cultivation by _____

(A) By lowering pH of media (B) By increasing sugar level

(C) By adding antibacterial agent like antibiotics (D) All of the above

Q:30 Lytic & Lyogenic cycle are the type of _____

(A) Reproduction of yeast (B) Virus infection to host cell

(C) Bacterial infection (D) Protozoan life cycle

Q:31 Which of the following protozoan causes Amoebiasis

(A) *Entamoeba vivax* (B) *Entamoeba gingivalis*

(C) *Entamoeba histolytica* (D) *Entamoeba coli*

Q:32 Virus are _____

(A) 10 to 100 times smaller than human embryo cell (B) 10 to 100 times smaller than bacteria

(C) 10 to 100 times smaller than aglae (D) 10 to 100 times larger than bacteria

Q:33 Which of the following cell organelles contains RNA?

(A) Mitochondria (B) Plastids (C) Lysosomes (D) Ribosomes

Q:34 30s, 50s, 40s & 60S are the different components of

(A) Ribosome (B) Mesosome (C) Lysosome (D) Nucleolus

Q:35 The total number of chromosomes in a normal human being is

(A) 23 (B) 46 (C) 2 (D) 108