

PRN. No.		
Seat No.	Student's Signature	Supervisor's Sign

SHIVAJI UNIVERSITY, KOLHAPUR

B.Sc Part I (Sem II)

Examination Oct/Nov 2020

Subject: Zoology Paper III

(Cell Biology and Evolutionary Biology)

Subject Code: 72846

Day & Date: Saturday, 17/04/2021

Time: 2:30PM to 3:30 PM

Marks Obtained	
Max.Marks	50
Examiner's Signature	

Instructions: 1. All questions are compulsory

2. Each question carries 2 marks

3. Write the correct code of answer (A,B,C or D) in the box provided

In front of each question.

Q. 1 The prebiotic earth in the beginning was-----

A. Marshy B. Gaseous C. Sandy D. Rocky

Q.2 The first compound microscope was built by -----

A. Galileo B. Robert Hook C. Leeuwenhoek D. Loewy

Q.3 ----- of the following gas was absent in the reducing environment of Earth.

A. Hydrogen B. Oxygen C. Ammonia D. Nitrogen

Q.4 The cell theory was formulated by-----

A. Leeuwenhoek B. Galileo C. Robert Hook D. Schleiden & Schwann

Q.5 Use and Disuse theory of organic evolution was put forth by -----

A. Darwin B. Wallace C. Lamarck D. De vries

Q.6 Smallest cell belongs to the genus-----

A. Mycoplasma B. Amoeba C. Ascaris D. Asterias

Q.7 The theory of Inheritance of acquired characters for the organic evolution is also called as-----

A. Mutation theory B. Natural selection theory
C. Neo-Darwinism theory D. Use and Disuse theory

Q.8.----- is called as heart of the cell.

A. Nucleus B. Mitochondria C. Golgi bodies D. Ribosomes

Q.9 Fossilised foot prints are the types of-----

A. Petrification B. Ichnofossils C. Casts D. Moulds

Q.10 The outer and inner membrane of the nucleus are separated by -----

A. Perinuclear chromatin B. Internucleolar chromatin
C. Perinuclear space D. Nuclear envelope

Q.11 Vishnu rock is a name given to a rock layer, which is found in -----

A. Badrikedar B. Grand canyon (U.S.A.) C. Gangotri D. Kailas

Q.12 ----- are filamentous or thread like or rod shaped bodies present in the nucleus.

A. Nucleous B. Chromosomes C. Genes D. Mitochondria

Q.13 The term great dying is used for -----

A. Permian-Triassic extinction B. Devonian extinction
C. Extinction dinosaurs D. K-T extinction

Q.14 Chromosomes were 1st time observed by-----

A. Waldeyer B. Anthony C. Michaelis D. Hofmeister

Q.15 Deccan trap formation is supposed to be due to-----

A. Earthquake B. Storms C. Tsunamies D. Flood basalt lava

Q.16 ----- chromosomes exhibit swelling (puffs).

A. Salivary gland B. Malpighian tubules C. Gut cells D. All of these

Q.17----- The early cell types which were formed on the earth are-----

A. Aerobic, Autotrophic B. Anaerobic, Autotrophic

C. Anaerobic,Heterotrophic D. Aerobic, Heterotrophic

Q.18 ----- number of chromosomes are present in human.

A. 44 B. 45 C.46 D. 23

Q.19 ----- of the following gave experimental proof to the theory of chemical evolution.

A. Lamarck B.Mendel C.Darwin D.Stanley Miller

Q.20 Presence of whole set of chromosomes is called----

A. Haploids B. Euploidy C. Triploids D. Diploids

Q.21 Which of the following energy source was not available in prebiotic atmosphere.

A. UV radiation B. ATP
C. Lightning D. Radiation heat from centre of the earth

Q.22 Nuclear membrane is made up of-----membranes

A.One B. Three C. Four D. Two

Q.23 The plant O.lamarkiana was studied by-----

A.Lamarck B.Mendel C.De Vries D.Darwin

Q.24 ---- is the membrane bound cell organelle,having the genetic material and various proteins.

A. Lysosome B. Endoplasmic reticulum C.Nucleus D.Ribosomes

Q.25 Darwin's finches are found on-----

A. Andman island B.Nicobar island
C. Sri lankan island D..Galapagos island
