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

SHIVAJI UNIVERSITY,KOLHAPUR

B.Sc Part I (Sem II)

Examination Oct/Nov 2020

50

Subject: Zoology Paper III	Marks Obtained			
(Call Riology and Evalutionary Riology)	Max.Marks			
(Cell Biology and Evolutionary Biology)	Examiner's Signature			
Subject Code: 72846				
Day & Date: Saturday,17/04/2021				
Time: 2:30PM to 3:30 PM				
Instructions: 1.All questions are compulsory				
2. Each question carries 2 marks				
3. Write the correct code of answer(A,B,C o	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 redu	ucing 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 Schawnn	Hook D. Schleiden &			

Q.5 Use and Disuse theory of organic evolution was putforth 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 BIchnofossils C.Casts D.Moulds
Q.10 The outer and inner membrane of the nucleus are separated by
A.Perinucelar 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.Garand 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.Denovian extinction
C.Extinction dinosaurs D. K-T extinction
Q.14 Chromosomes were 1 st time observed by
AWaldeyer B. Anthony C. Michaelis D Hofmeister
O.15 Deccan trap formation is supposed to be due to

A.Earthquake B.Stormes C.Tsunamies D.Flood basalt lava Q.16 ---- chromosomes exhibit swelling (puffs). A. Salivary gland B. Malphighian 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. B. 45 C.46 A. 44 D. 23 Q.19 ---- of the following gave experimental proof to the theory of chemical evolution. A. Lamarck B.Mendel C.Darwin D.Stanlely 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 B. Three C. Four D. Two A.One Q.23 The plant O.lamarkiana was studies by-----C.De Vries D.Darwin A.Lamark B.Mendel 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..Galapgos island

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- Q.1 Which of the following appear L shaped and have two unequal arms.
 - A. Metacentric B. Acrocentric C. Sub metacentric D. Telocentric
- Q.2 Radioactive carbon ¹⁴C decays into----
 - A.Nitrogen B.Cobalt C.Calcium D.Uranium
- Q.3 Each chromosome consist of two symmetrical spirally coiled and filamentous structure called as -----
 - ATelomere B. Chromomeres C. Chromatids D.Centromeres
- Q.4 In igneous rock generally which one of the following is not found?—
 - A. Strontium B. Uranium C.Potassium D.Radioactive carbon
- Q.5----- is the basic structural and functional unit of all living organisms.
 - A. Tissue B. Organ C.Cell D.Bone

- Q.6 The theory of Natural selection for organic evolution putforth by----
 - A.Darwin B.Lamarck C.Mendel D.De vries
- Q.7 ---- are two units of measurement of cell sizes
 - A.Milligram and Microgram B. Microgram and Kilogram
 - C. Micron and Angstron D. Meter and Kilometer
- Q.8 Asteroid impact theory for K-T mass extinction is put forward by-----
 - A. Alvarez B.Mendel C. Darwin D.Wegner
- Q.9. Which of the following organelle shows extracellular digestion?.
 - A. Mitochondria B. Nucleus C.Endoplasmic reticulum D.Lysosome
- Q.10 Which of the following theories explain the origin of life----
 - A. Theory of special creation B. Theory of Panspermia
 - C Theory of Chemical evolution D.All of these
- Q.11 ----- organelle play important role in the formation of acrosome during spermiogenesis.
 - A. Nucleus B.Golgi bodies C. Mitochondria D. Endoplasmic reticulum
- Q.12 Spark discharge apparatus was used to conduct experiment of-----
 - A.Darwin B.Mendel C.Oparin-Haldane D.Lamarck
- Q.13 The fluid mosaic model of plasma membrane was proposed by ----
 - A.Robert Hook B. Mendel C. Cook D. Singer and Nicolson
- Q.14 Which of the following represent example of Lamarckism---
 - A.Evbolution of Giraffe B.Evolution of Snakes
 - C. Vestigeal organs in Human D. All of these
- Q.15 ---- are referred as power house of the cell.
 - A. Lysosome B.Mitochondria C. Golgi bodies D. Nucleus

theory of "Natural selection"---A.Struggle for existence **B.**Prodigility of Production C.Survival of the fittest D.All of these Q.17 ----- is called as suicide bag. A.Lysosome B.Mitochondria C.Chloroplast D.Golgi bodies Q.18 The place "Chicxulub" is famous for-----A.Mountain B. Crater C. River D. Valley Q.19Which of the following organelle is referred as heart of the cell? A.Nucleus B.Mitochondria C.Golgi bodies D.Ribosomes Q.20 The dinosaurs ruled the earth during period-----A.Cambrian B.Permian C.Jurassic D.Devonian Q.21 Condition in which the chromosomes set are present in multiples of n is called as -----A.Aneuploidy B.Polyploidy C.Triploidy D.Tetraploidy Q.22"Mutation theory" was putforth by-----A.Darwin B.Hugo De Vries C.Lamarck D.Miller Q.23---- is the formation of one or more new species from an existing species A.Adaptation B.Evolution C.Speciation D.Specification Q.24 ---- is main center of RNA synthesis. A.Mitochondris B.Nucleolus C.Centrosome D.Cytoplasm Q,25----- is the connecting link between reptiles and Aves A. Wooly mammoth B. Horse C. Archaeopteryx D. Giraffe

Q.16 Which of the following points were putforth by Charles Darwin in his