

Total No. of Printed Pages:2

**SUBJECT CODE NO:- 2068**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. F.Y. (Sem-I)**  
**Examination March/April-2022 (To Be Held In June/July-2022)**  
**Zoology Paper-II**  
**Cell Biology**

[Time: 1:53 Hours]

[Max. Marks: 50]

- Please check whether you have got the right question paper.
- N.B i) Attempt all questions.  
ii) Illustrate your answer with suitable labeled
- Q. 1 Describe the Ultra structure and function of Eukaryotic cell. 20  
 OR  
 What is cell cycle? Explain in detail the mitosis. 20
- Q. 2 Discuss morphology, structure and function of mitochondria 20  
 OR  
 Write short note on any Four of the following 20  
 a) Prokaryotic cell  
 b) Ribosomes  
 c) Metaphase  
 d) Light Microscope  
 e) DNA  
 f) Glogi bodies
- Q. 3 Select and write correct answer from the given alternative in each question. 10  
 1) Who discovered cell in 1665?  
 a) Robert Hook  
 b) Robert crook  
 c) David Thomson  
 d) Marie Francois  
 2) Name the outer most boundary of cell  
 a) Plasma membrane  
 b) Cytoplarm  
 c) Nuclear  
 d) None of the above  
 3) How many daughter cell are produced at the end of mitosis?  
 a) 1  
 b) 4  
 c) 2  
 d) 3

- 4) When does synapsis occurs during meiosis
  - a) Zygotene
  - b) Leptotene
  - c) Diplotene
  - d) Pachytene
- 5) The Nucleic acid was first isolated by
  - a) Miescher
  - b) Watson and crick
  - c) Todd
  - d) Meselson and sthal.
- 6) Which of the following RNA molecules convert information stored in the nudeic acids.
  - a) mRNA
  - b) tRNA
  - c) rRNA
  - d) snRNA
- 7) Ribosome are made up of
  - a) DNA and protein
  - b) DNA and RNA
  - c) RNA and protein
  - d) Protein and lipid
- 8) ATP is formed in
  - a) Nucleus
  - b) Nucleolus
  - c) Ribosomes
  - d) Mitochondria
- 9) Which parl of the compound microscope helps in gathering and focusing light raps on the specimen to be viewed?
  - a) Eyepiece lens
  - b) Objective lens
  - c) Condenser lens
  - d) Magnifying len.
- 10) Who first describe the Golgi complex?
  - a) Kreb
  - b) Camillo Golgi
  - c) De Duve
  - d) Palade