



K20U 0331

Reg. No. :

Name :

II Semester B.Sc. Degree (CBCSS – Supplementary/Improvement)
Examination, April 2020
COMPLEMENTARY COURSE IN PHYSIOLOGY
2C02 PLY : Cell Biology
(2014-2018 Admissions)

Time : 3 Hours

Max. Marks : 32

Essay (Answer **any one**).

(1×6=6)

1. Briefly explain the various steps involved in Mitosis.
2. Explain the structure and functions of Plasma membrane.

Essay (Answer **any one**).

(1×6=6)

3. Describe on Golgi complex and mention its functions.
4. Describe the electron transport system in mitochondria.

Answer **any four**.

(4×3=12)

5. Comment on Ribosome.
6. Note on Transcription and Translation.
7. Explain the structure of mitochondria.
8. Note on Giant chromosomes.
9. Write notes on nuclear pore complex.
10. Explain on microfilaments and microtubules.

Answer **any six**.

(6×1=6)

11. Nucleolus.
12. Grana.
13. Glyoxysomes.

P.T.O.

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14. Prokaryotes.
15. PPLO.
16. GERL.
17. Prokaryote.
18. Cell Theory.

Answer the following :

(2×1=2)

19. Fill in the blanks.

- a) Fluid mosaic model of plasma membrane was proposed by.
- b) Watson and Crick proposed _____ model of DNA.
- c) Reduction division is also called _____
- d) In active form of virus is called _____

20. Match the following :

- | | | |
|---------------------|---|------------|
| a) Active Transport | - | Cell |
| b) Residual body | - | Vacuoles |
| c) Tonoplast | - | ATP |
| d) Robert Hooke | - | Lysosomes. |
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