

GURUDAS COLLEGE

B. Sc. SEMESTER III (General) Odd Semester Examination, 2021

Online Internal Assessment

Subject: BOTG

Subject Category: General

Course: BOT-G-CC-3-3-TH

Course Name: CELL BIOLOGY, GENETICS AND MICROBIOLOGY

Date of Examination: 4th Jan, 2022

All questions carry equal marks

Time: 30 minutes

FM: 10

Answer any five from the following

2×5 = 10

1. A chromosome is the thickest during

- (a) Anaphase
- (b) Prophase
- (c) Interphase
- (d) Metaphase

2. Euchromatin

- (a) stains lightly
- (b) is partially condensed
- (c) Genetically active chromatin with genes
- (d) all of the above

3. The interchange of parts between non-homologous chromosome is called

- (a) Duplication

- (b) Translocation
- (c) Inversion
- (d) Deletion

4. Down syndrome is caused due to

- (a) Monosomy
- (b) Trisomy
- (c) tetrasomy
- (d) None

5. A codon consists of how many nucleotides

- (a) 1
- (b) 2
- (c) 3
- (d) None

6. DNA unwinding is done by

- (a) Ligase
- (b) Helicase
- c) Topoisomerase
- d) Hexonuclease

7. Translation is the

- (a) Synthesis of DNA from a mRNA template
- (b) Synthesis of Protein from a mRNA template

- (c) Synthesis of RNA from a mRNA template
- (d) Synthesis of RNA from a DNA template

8. Nuclear membrane is in continuous connection

- (a) SER
- (b) RER
- (c) Golgi apparatus
- (d) Lysosomes

Instructions for submission of answer scripts

1. Write the front page/top sheet as per instruction.
2. Scan the pages in sequence and make a single PDF file.
3. Rename file as per instruction.
4. Email the PDF file within the stipulated time to the following Email id

gcdbot2020@gmail.com

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