GURUDAS COLLEGE

B. Sc. SEMESTER III (General) Examination, 2020

Online Internal Assessment, 2020

Subject: BOTG

Subject Category: General

Course: BOT-G-CC-3-3

Course Name: CELL BIOLOGY, GENETICS AND MICROBIOLOGY

Date of Examination: 2nd March, 2021

Full Marks - 10

Time – 30 minutes

All questions carry equal marks

A	ns	wer	any	five	qu	ıesti	ons

 $2 \times 5 = 10$

- 1. Which of the following are synthesised in the nucleolus?
- (a) tRNA (b) rRNA (c) DNA (d) all of the above
- 2. The protein Network that lines the inner side of nuclear membrane is called
- a) Nucleolus b) Nuclear matrix c) Nuclear lamina d) Nuclear proteins
- 3. _____ are proteins used to pack DNA.
- a) Nucleosomes b) Chromatins c) Telomerases d) Histones
- 4. Chromosome with a very short arm and a very long arm is referred to as
- (a) Metacentric (b) Telocentric (c) Acrocentric (d) Sub-metacentric

- 5. Highest level of chromatin condensation occurs at
- (a) anaphase (b) prophase (c) interphase (d) metaphase
- 6. Phage virus mediated bacterial genetic recombination is called as
- a) Transformation b) transduction C) conjugation d) translation
- 7. Which of the Following is about 30 nm thick?
- a) DNA b) Nucleosome structure c) Solenoid structure d) Scaffolded DNA
- 8. Consider this sequence A—O—B —C—D—E—F, as a DNA sequence where O is the centromere. Which of the following will be a pericentric inversion?

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 IDs:

- 1) sem2botg2000GDC@gmail.com
- 2) genbotg@gmail.com
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