

UNIVERSITY OF CALCUTTA
CITY COLLEGE CENTRE
1st SEMESTER ZOOLOGY – HONOURS – PRACTICAL EXAMINATION
(ONLINE)

Full Marks: 30

Time – 2 hour

[ZOOA-CC1-2-P Examination 2020; Online]

Molecular Biology

[The figures in the margin indicate full marks]

- 1. Draw neat diagram of a polytene and a lamp brush chromosome with proper labelling (at least 3 from each). (5+3) × 2 = 16**
- 2. List the material required for isolating DNA from goat liver. Briefly describe the procedure for DNA isolation from goat liver. 3+4 = 7**
- 3. What are the equipment and accessories needed to perform an agarose gel electrophoresis? What are the utilities of 'gel casting tray' and 'micropipette' while performing agarose gel electrophoresis? 3+2+2= 7**