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UG/5th Sem/ZOO(H)/Pr/19

2019

B.Sc. (Honours)

5th Semester Examination

ZOOLOGY

Paper - C11-P

Full Marks : 20

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Molecular Biology

1. (a) Identify the given photographs with proper justifications. 2+3
 - (b) Isolate and quantify genomic DNA from the given sample. 6+4
 2. Laboratory Note Book. 2
 3. Viva-voce. 3
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UG/5th Sem/ZOO(H)/Pr/19

2019

B.Sc. (Honours)

5th Semester Examination

ZOOLOGY

Paper - C 11-P

Instruction to The Examiners

Full Marks : 20

Time : 3 Hours

For Question No. 1.(a)

- (i) Provide photograph of either polytene or lampbrush chromosome.
- (ii) Students should write at least Three identifying characters.
- (iii) No Marks will be awarded if identification is wrong.

For Question No. 1.(b)

- (i) Provide suitable sample (goat liver/chicken blood/ bacterial culture etc.)

[Turn Over]

(2)

- (ii) Provide different reagents required for genomic DNA isolation and quantification.
 - (iii) Provide standard curve of DNA($\mu\text{g}/\text{ml}$) measured at 260nm.
 - (iv) Students should calculate the amount of DNA($\mu\text{g}/\text{ml}$) using the standard curve.
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