# W-417/W-418

## B.Sc. (Third Year) Examination, March/April-2020
### STATISTICS
#### Paper - I & II
### Applied Statistics / SQC and Design of Experiments

*Time : Three Hours*
*Maximum Marks : 40+40=80 (For Regular Students)*
*Minimum Pass Marks : 33%*
*Maximum Marks : 50+50=100 (For Private Students)*
*Minimum Pass Marks : 33%*

**Note :** Attempt **all** questions.

### Section-A

Q.1. Describe Vital Statistic and also their method of obtaining Vital Statistic Registration Method. 13/16

Q.2. Define stationary and stable population and also describe "Lotka" model for stable population. 13/17

Q.3. Define index number. Discuss the uses and limitation of index number. 14/17

### Section-B

Q.4. Define the following terms: 13/16
i)   Control - charts
ii)  $\overline{X}$ and R charts.

Q.5. Explain the following terms: 13/17
i)   AQL
ii)  LTPD
iii) Consumer's Risk

Q.6. Explain the derivation of one-way classification with mathematical model. 14/17