INSTRUCTION

- Answer all questions
- Do not write on the back side of the front page of answer sheet
- Answers should be properly numbered
- Do not miss to write your entry number

1x5=5

Date: 24.08.2018

Q1.

- In a cotton comber, noil extraction increases (i)
 - A. With a decrease in detachment setting X
 - B. With an increase in pre-combing draft *
 - C. If majority of hooks are presented in leading direction
 - D. With an increase in short fibres \checkmark
- Nipper assembly movement is (ii)
 - A. Fast in forward journey
 - 8. Slow in forward journey
 - C. Fast in backward journey
 - D. Slow in backward journey

The draft used for preparing comber lap affects

- A. Lap uniformity
- Lap strength
- Short fibres in lap+ C.
- D. Removal of impurities
- If E is detachment setting and S is lap feed length per nip, then the shortest fibre that finds (iv) its way in sliver for backward and forward feed machines are:
 - A. E+S, E

F-5

- JB'. E-S, E ✓
- C. S, E-S *
- D. S, E+S ^P
- Asymmetric web collection improves sliver regularity because (V)
 - A. Web accumulates on web tray
 - Piecing length gets distributed over longer sliver length В.
 - Draft in web tray is low
 - D. Doubling takes place between detached combed fringes 🗸
- A 8 head comber is running at 400 nips/min. The lap fed is 60 kilotex and noil extracted is 20%. Q.2 If the feed/nip is 7 mm, then with machine utilization of 80%, what will be the production rate in kg/h? C1.6006,1

