

Please check whether you have got the right question paper.

- N.B:
1. Question.No.1 is compulsory.
 2. Attempt any three out of remaining five questions
 3. Figures to right indicates full marks.

- Q.1 Answer any four of the following
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|----|--|---|
| a) | Write a short note on ' Frontal collision' | 5 |
| b) | In short Explain the term' Biomechanics and occupant simulation' | 5 |
| c) | Explain the purpose of vehicle safety. | 5 |
| d) | Explain how accident data is interpreted? | 5 |
| e) | Write a short note on' Abbreviated Injury Scale' | 5 |
- Q.2
- | | | |
|----|---|----|
| a) | Explain the construction and working of ABS with neat sketch. | 10 |
| b) | Write a note on 'Photogrammetry for accident Reconstructions. | 10 |
- Q.3
- | | | |
|----|--|----|
| a) | Write a note on Hazard-Risk-Danger" | 10 |
| b) | Write a detail note on Accident reconstructions. | 10 |
- Q.4
- | | | |
|----|---|----|
| a) | Compare quasistatic seat test and hydge sled test. | 10 |
| b) | Explain effectiveness of self-aligning Head Restraint | 10 |
- Q.5
- | | | |
|----|--|----|
| a) | Explain any five illustrative human errors. | 10 |
| b) | Explain the term' Uncertainty in measurements. | 10 |
- Q.6
- | | | |
|----|--|----|
| a) | Explain Universal and Alternative Design. | 10 |
| b) | Explain the injuries observed in various collisions. | 10 |