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Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (Automobile Engineering) (Sem.-5)

VEHICLE BODY ENGINEERING

Subject Code : BTAE-504-18

M.Code : 78228

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**Answer briefly :**

- 1) What is the requirement of automobile body?
- 2) Brief about Saloon type car body.
- 3) Give two examples of hatchback type cars.
- 4) Brief about engine location in bus.
- 5) Write note on seating dimensions.
- 6) What is need of special purpose vehicles?
- 7) What do you understand by carbon fibers?
- 8) Write about body trim items.
- 9) Where does tractor trailer is used?
- 10) Brief about bumper system.

SECTION-B

- 11) Write in detail about the commercial vehicle body details.
- 12) Discuss about bus body layout.
- 13) Illustrate about Estate Van.
- 14) Explain paint and painting process.
- 15) Describe the different loading situations in vehicles.

SECTION-C

- 16) Illustrate the rules of the road with help of symbols.
- 17) With the help of diagram discuss about frame and unitary body construction of car.
- 18) Explain shear panel method of body load and write about idealized structure.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.