

বিদ্যাসাগর বিশ্ববিদ্যালয় VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Major Examinations 2021

(Under CBCS Pattern)

Semester - III

Subject: AUTOMOBILE MAINTENANCE

Paper : C 5 - T & P

(Transmission System Part-I)

Full Marks: 60 (Theory: 40 + Practical: 20)

Time: 3 Hours

Candidates are required to give their answers in their own words as for as practicable.

The figures in the margin indicate full marks.

(Theory)

Group-A

A. Answer any *three* of the following questions:

 $12 \times 3 = 36$

- 1. (i) What is torque converter?
 - (ii) What do you mean by over drive?
 - (iii) Describe briefly with neat sketch of free wheel unit.

3+3+6

- 2. (i) Explain the function of transmission in an automobile.
 - (ii) Give the classification of transmissions.

+5
ar.
+6
ear
⊦6
+4
+2
4
+

(Practical)

Paper - C 5-P

(Transmission System Part-I)

Marks: 20

Group-A

A. Answer any *one* of the following question:

 $15 \times 1 = 15$

- 1. Write down the process of making a single piece pattern having dimension of $100m \times 20mm \times 20mm$ and also mention proper working process.
- 2. Write down the process of making green sand mould. Mention proper working process of it.
- 3. Draw a neat sketch of a synchromesh gear box and its overhauling process.

Group-B

B. Answer any *one* of the following question:

 $5\times1=5$

- 1. What is the pattern? Classify it.
- 2. What do you mean by moulding sand and classify it?
- 3. What is synchromesh gearbox? Give the neat sketch line diagram of a sliding mess gearbox.