

T1150(E)(N12)T

NOVEMBER EXAMINATION

NATIONAL CERTIFICATE

MOTOR TRADE THEORY N2

(11040662)

12 November 2014 (Y-Paper)

13:00–16:00

This question paper consists of 5 pages.

1. Answer ALL the questions.
 2. Read ALL the questions carefully.
 3. Number the answers correctly according to the numbering system used in this question paper.
 4. Write neatly and legibly.
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QUESTION 2

2.1

FIGURE 1 shows an Inner Constant Velocity (CV) joint. Label items A-F in your ANSWER BOOK.

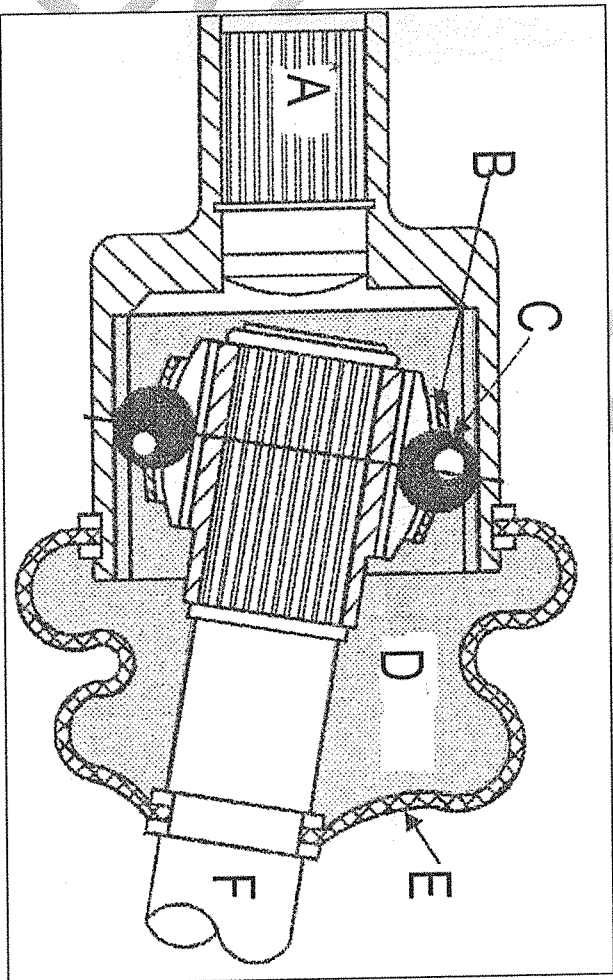


FIGURE 1

(6)

2.2 Name THREE types of final drives found on motor vehicles.

(3)

2.3 During a test drive you notice that a customer's car has worn shock absorbers.

List FOUR negative effects of worn shock absorbers on a motor vehicle.

(4)

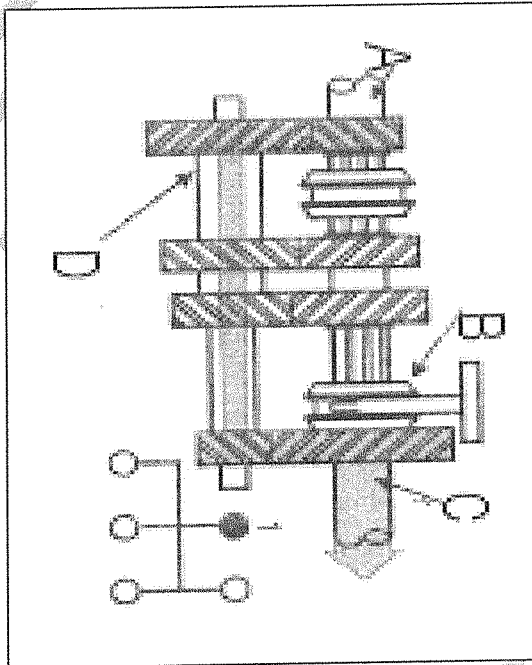


FIGURE 2

- 3.2 State the function of: (4)
- 3.2.1 Interlocking device (2)
- 3.2.2 Gear selector rod (2)
- 3.2.3 Reverse idler gear (2)
- 3.3 Name FIVE components of a suspension system. (5)
- 3.4 Define the term *unsprung mass* of a motor vehicle. (2)
- 3.5 List THREE functions of a final drive assembly. (3)
- [20]

QUESTION 5

- 5.1 State the function of a condenser in an ignition system. (2)
- 5.2 Name the devices used to advance the ignition by stating the conditions under which each device works. (4)
- 5.3 With the aid of a simple sketch, explain the term *dwell angle*. (5)
- 5.4 State TWO functions of king pin inclination. (2)
- 5.5 Define *kerb mass* of a vehicle. (2)
- 5.6 List FIVE types of steering boxes. (5)

[20]

TOTAL: 100