

Weakness

Most of the candidates did not seem to know that the difference in carbon content in them contributes to production of different sparks.

Expected response

- i) Cast iron is dark grey and has a rough finish while medium steel is blue-black and has a smooth finish.
- ii) Cast iron produces a wider stream of sparks while medium steel produces white sparks.

Question 5(b)

Figure 2 shows four different valve arrangement mechanisms.

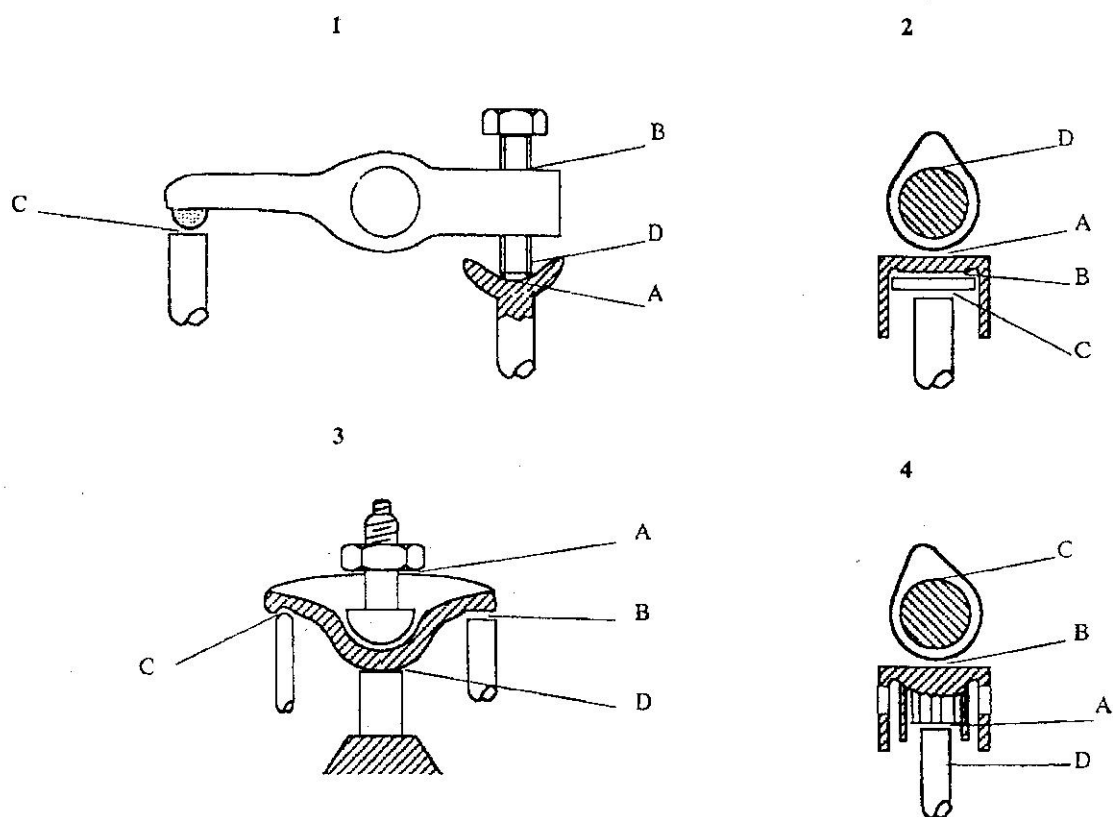


Figure 2

For each case, choose the letter that corresponds with the correct position of the feeler gauge when adjusting the tappet clearance. (3 marks)

In this question, candidates were required to study and understand each of the valve train arrangements given in figure 2 and show precisely where the feeler gauge is positioned when measuring the tappet clearance in each case.