

Question 12

Pseudocode:

| | INPUT | PROCESS | OUTPUT |
|--|---------------------|--|-------------------------|
| 1. START | 1. 5 litre jug | ① Fill 5 litre jug to brim | 4 litres in 5 litre jug |
| 2. Input 5 litre jug | 2. 3 litre jug | ② Pour water into 3 litre jug until its full | |
| 3. Input 3 litre jug | 3. Unlimited source | ③ Empty 3 litre jug. | |
| 4. Input water | | ④ Pour remaining into 3 litre jug. | |
| 5. Fill 5 litre jug to brim | | ⑤ Fill 5 litre jug to brim | |
| 6. Fill 3 litre jug to brim from the 5 litre jug. | | ⑥ Pour into 3 litre jug until full. | |
| 7. Empty 3 litre jug | | ⑦ 4 litres in 5 litre jug | |
| 8. Pour remaining water in the 5 litre jug from 3 litre jug. | | | |
| 9. Fill 5 litre jug again to brim | | | |
| 10. Pour water into 3 litre jug until its full. | | | |
| 11. Now the 5 litre jug has 4 litres of water. | | | |
| 12. END. | | | |

