

AILET

# Logical Reasoning: Syllogism Practice Paper

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## Practice paper on syllogism

### QUESTIONNAIRE - 1

Directions for Questions 1 to 10: Each question consists of five statements followed by options consisting of three statements put together in a specific order; choose the option which indicates a valid agreement, that is, where the third statement is a conclusion drawn from the preceding two statements

#### Example

1. All burgers are hazardous to health
2. Brand X is a burger
3. Brand X is hazardous to health

ABC is a valid option where statement C can be concluded from statements A and B

- (A) All software companies employ knowledge workers
- (B) Vistara tech employs knowledge workers
- (C) Vistara tech is a software company
- (D) Some software companies employ knowledge workers
- (E) Vistara tech employs only knowledge workers
  
- (a) ABC
- (b) ACB
- (c) CDB
- (d) ACE
  
- (A) Traffic congestion increases carbon monoxide in the environment
- (B) Increase in carbon monoxide is hazardous to health
- (C) Traffic congestion is hazardous to health

- (D) Some traffic congestion does not cause increased carbon monoxide
- (E) Some traffic congestion is not hazardous to health
- (a) CBA
- (b) BDE
- (c) CDE
- (d) BAC

3.

- (A) mangoes are not sweets
- (B) Some mangoes are sweet
- (C) Some mangoes are tasty
- (D) Some mangoes are not tasty
- (E) No mango is tasty
- (a)CEA
- (b) BDC
- (c) CBD
- (d) EAC

4.

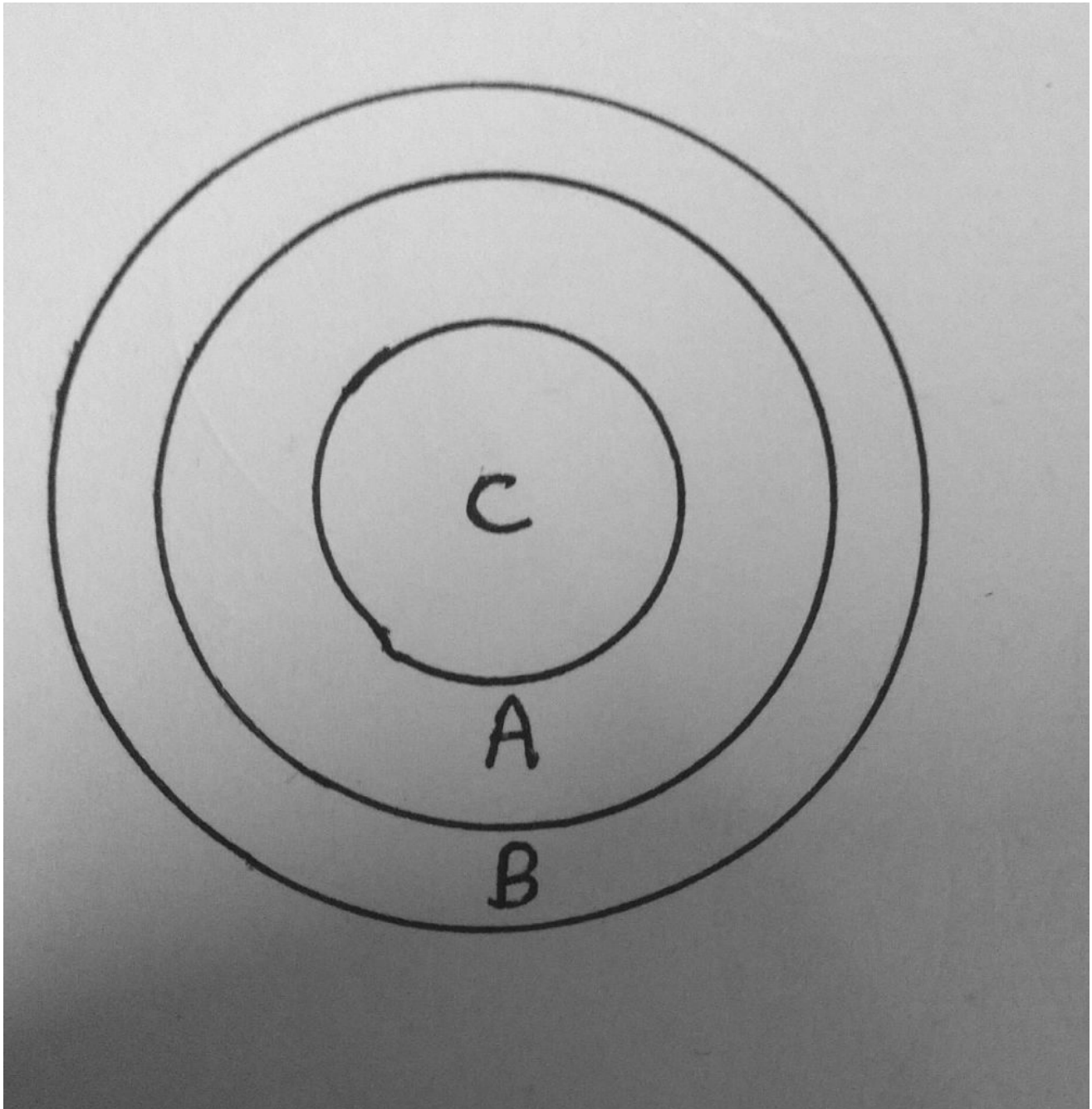
- (A) Some towns in Westeros are polluted
- (B) All polluted towns should be destroyed
- (C) Town Winterfell should be destroyed
- (D) Town Winterfell is polluted
- (E) Some towns in Westeros should be destroyed
- (a) BDE
- (b) BAE
- (c) ADE
- (d) CDB
- No patriot is a criminal

- Shamsheer shah is not a criminal
  - Shamsheer shah is a patriot
  - Shamsheer shah is not a patriot
  - Shamsheer shah is a criminal
- 
- (a) ACB
  - (b) ABC
  - (c) ADE
  - (d) ABE
- 
- (A) Anteaters like ants
  - (B) Boys are anteaters
  - (C) Ramesh is an anteater
  - (D) Ramesh likes ants
  - (E) Ramesh may eat ants
- 
- (a) DCA
  - (b) ADC
  - (c) ABE
  - (d) ACD
- 
- (A) All actors are handsome
  - (B) Some actors are popular
  - (C) Ram is handsome
  - (D) Ram is a popular actor
  - (E) Some popular people are handsome
- 
- (a) ACD
  - (b) ABE
  - (c) DCA
  - (d) EDC
- 
- (A) Modern industry is technology-driven

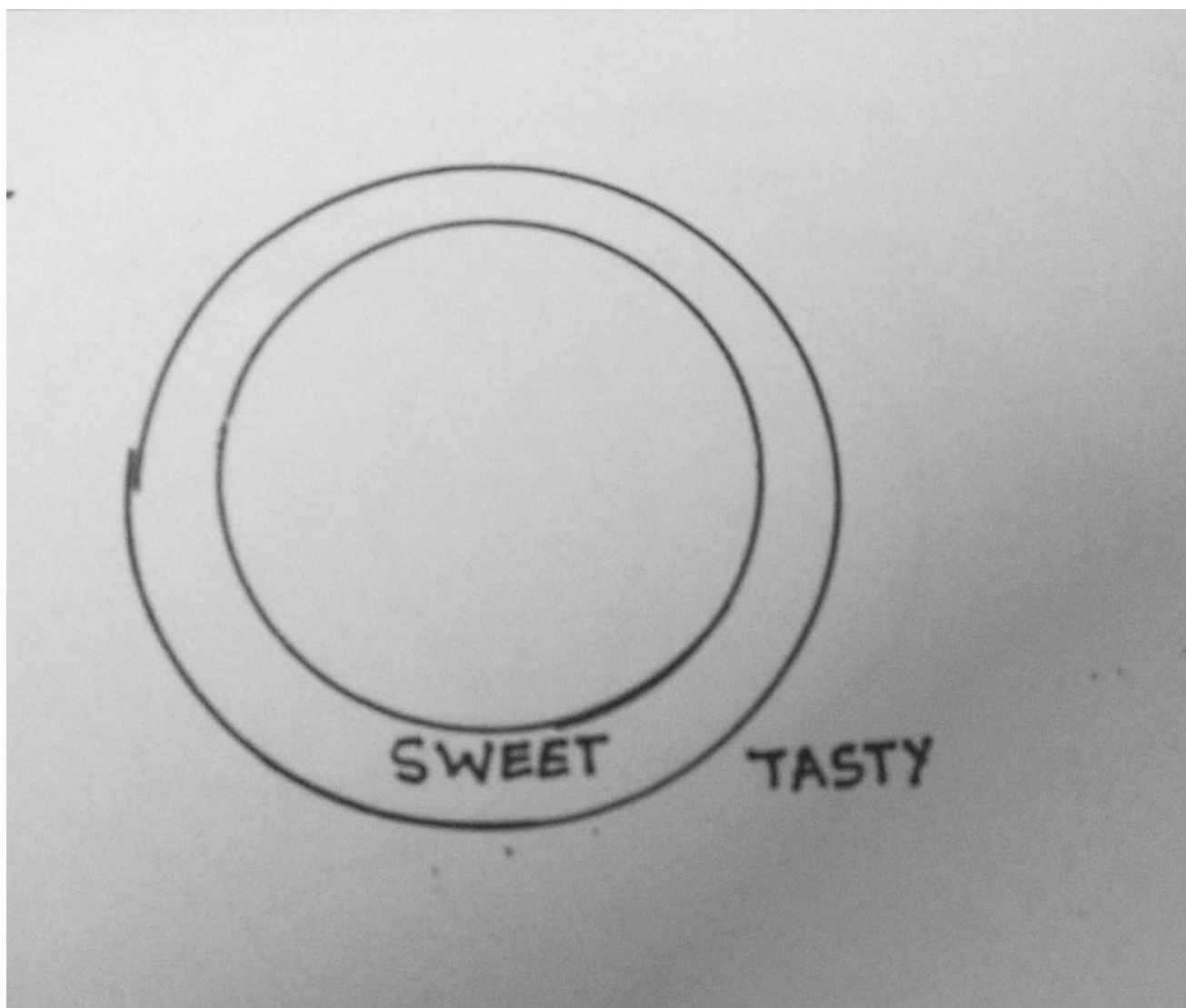
- (B) TESLA is a modern industry
- (C) TESLA is a technology driver
- (D) Technology driven industry is modern
  
- (a) ABC
- (b) ABD
- (c) BCA
- (d) EBC
  
- (A) All islanders are blue coloured people
- (B) Some smart people are not blue coloured people
- (C) Some babies are blue coloured
- (D) Some babies are smart
- (E) Some smart people are not islanders
  
- (a) BCD
- (b) ABE
- (c) CBD
- (d) None of the above
  
- (A) MBAs are in great demand
- (B) Shahrukh and Gauri are in Great demand
- (C) Shahrukh is in great demand
- (D) Gauri is in great demand
- (D) Shahrukh and Gauri are MBAs
  
- (a) ABE
- (b) ECD
- (c) AEB
- (d) EBA

## **ANSWER KEY**

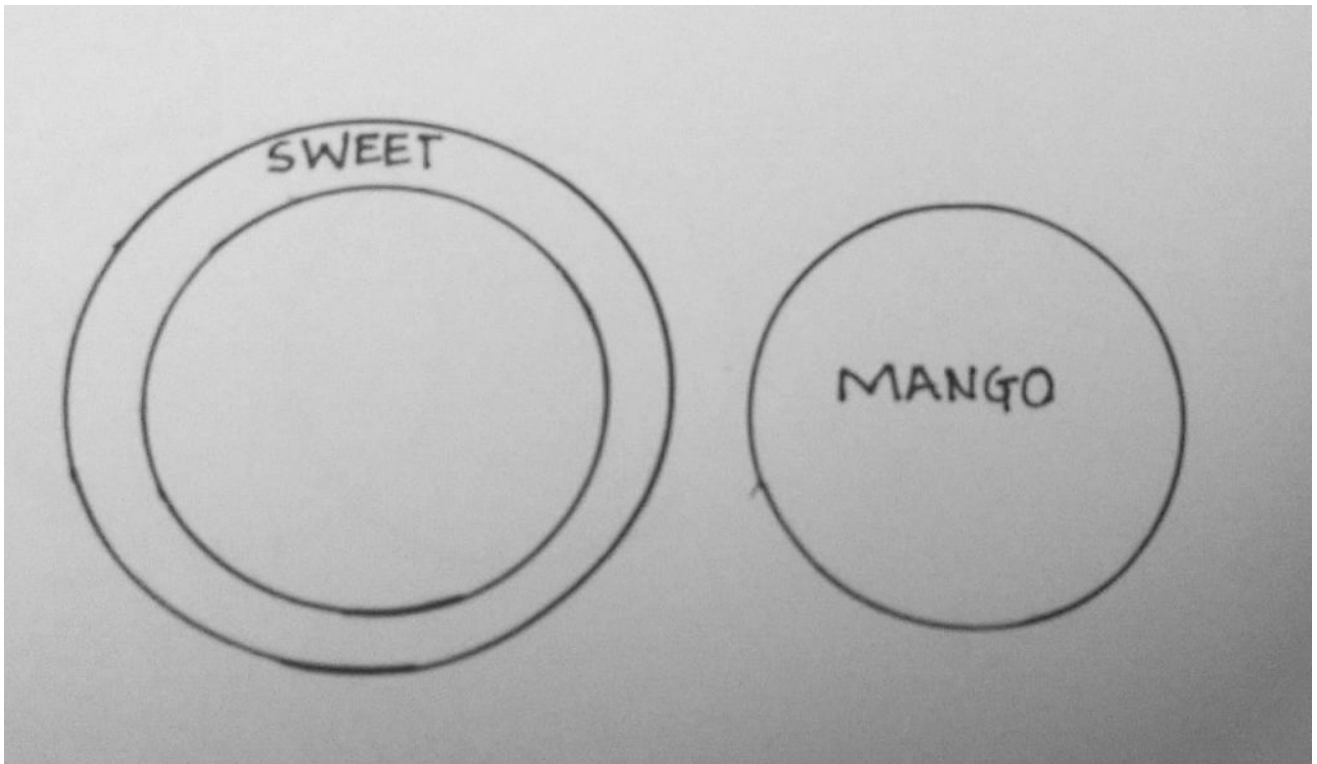
1. Statement A says that "All software companies employ knowledge workers" and statements C says "Vistara tech is a software company". Hence we can conclude statement B says Vistara Tech employs knowledge workers. Hence Answer in (b)
2. Statement B says the increase in Carbon Monoxide is hazardous to health and statement A says Traffic congestion increases carbon monoxide in the environment. Hence we can conclude C that traffic congestion is hazardous to health. Hence answer is (d)



1. Statement C :



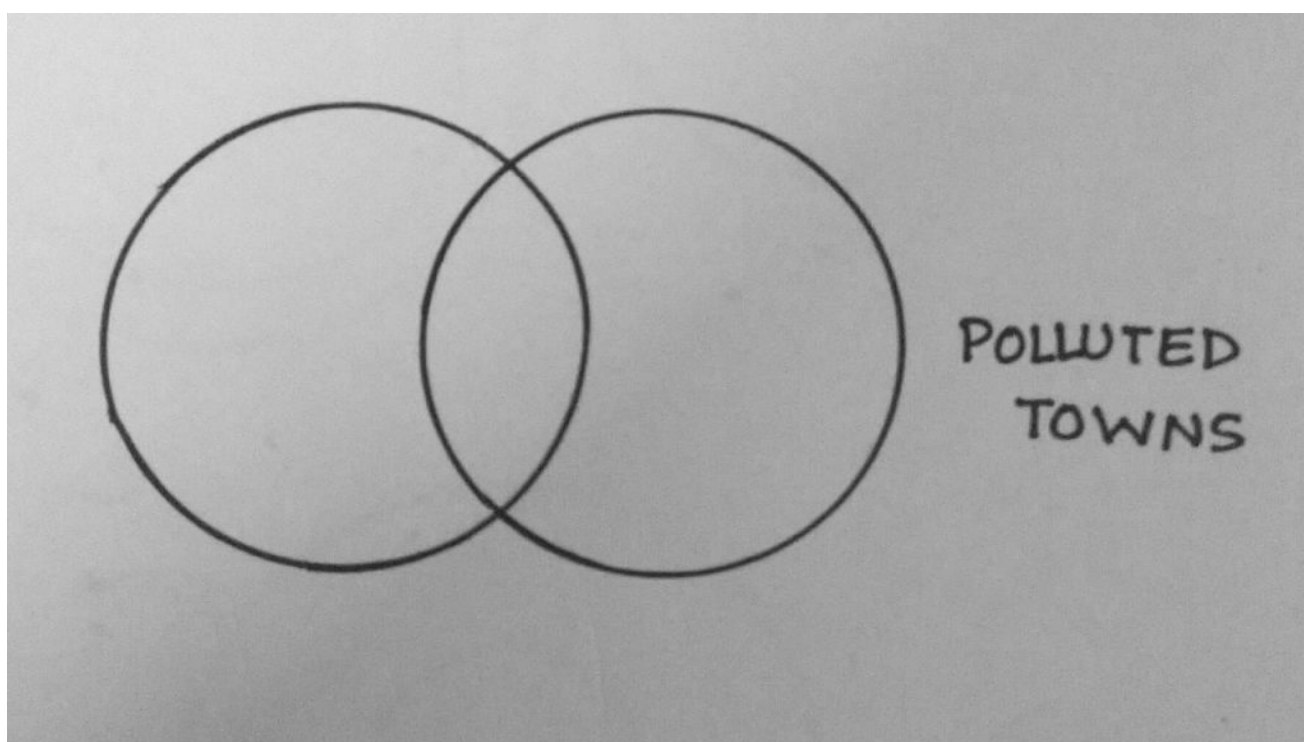
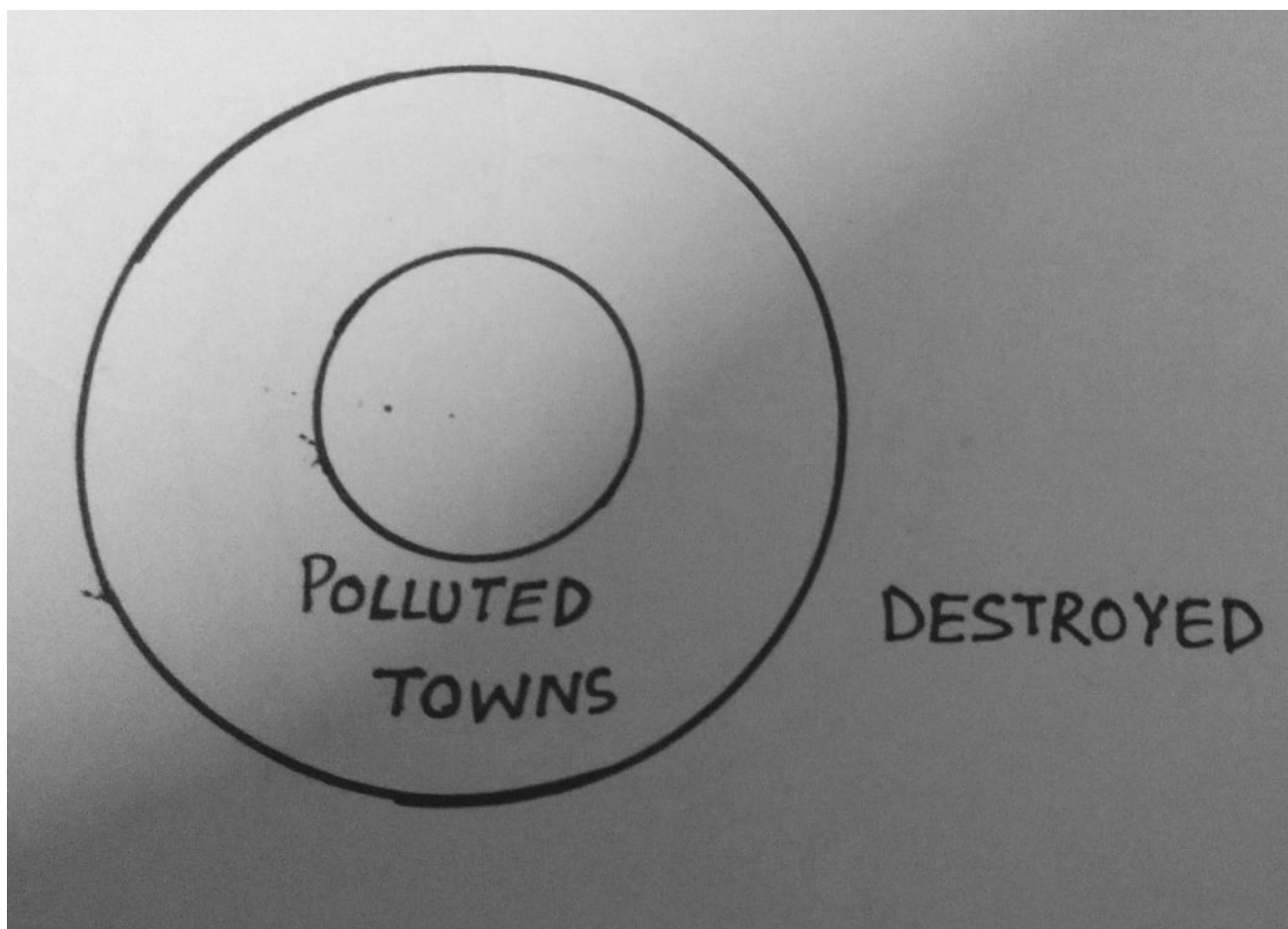
From statement C & E :

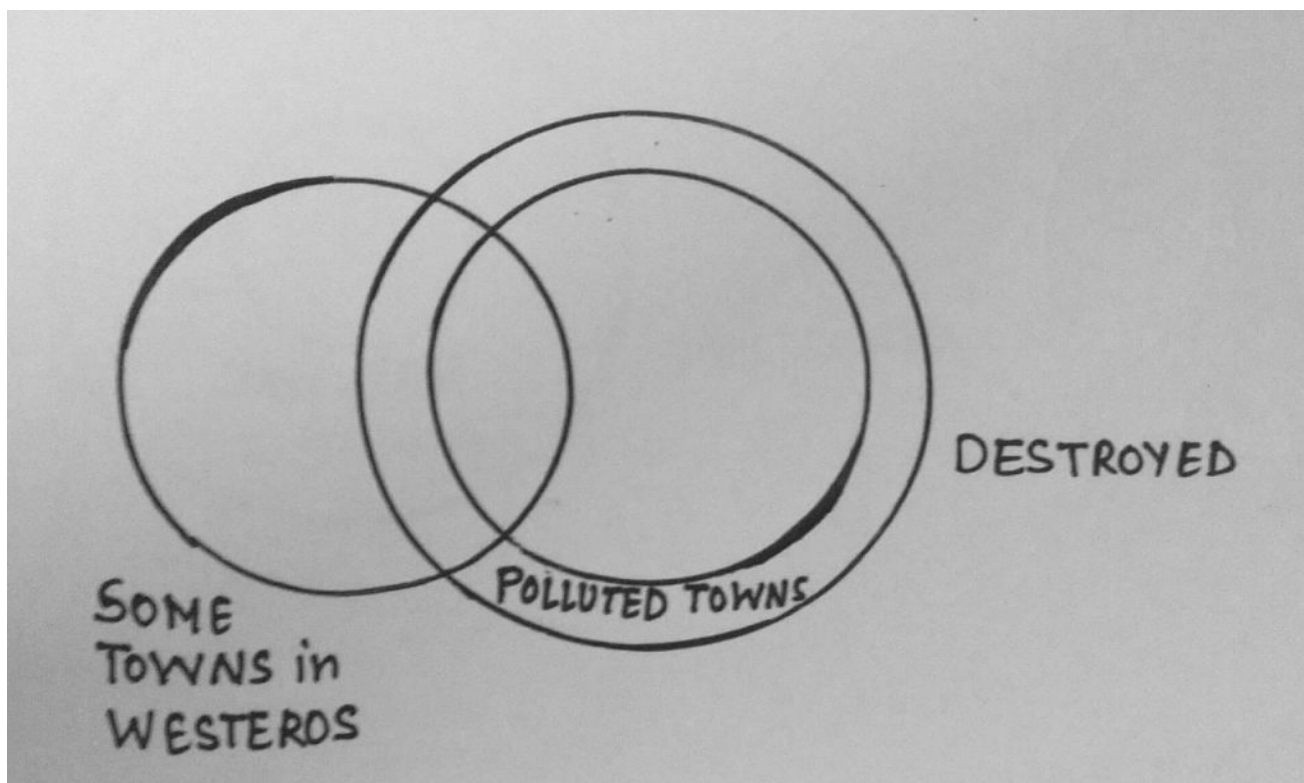


Hence we can conclude that “No Mango is sweet”.

Therefore, the answer is (a)

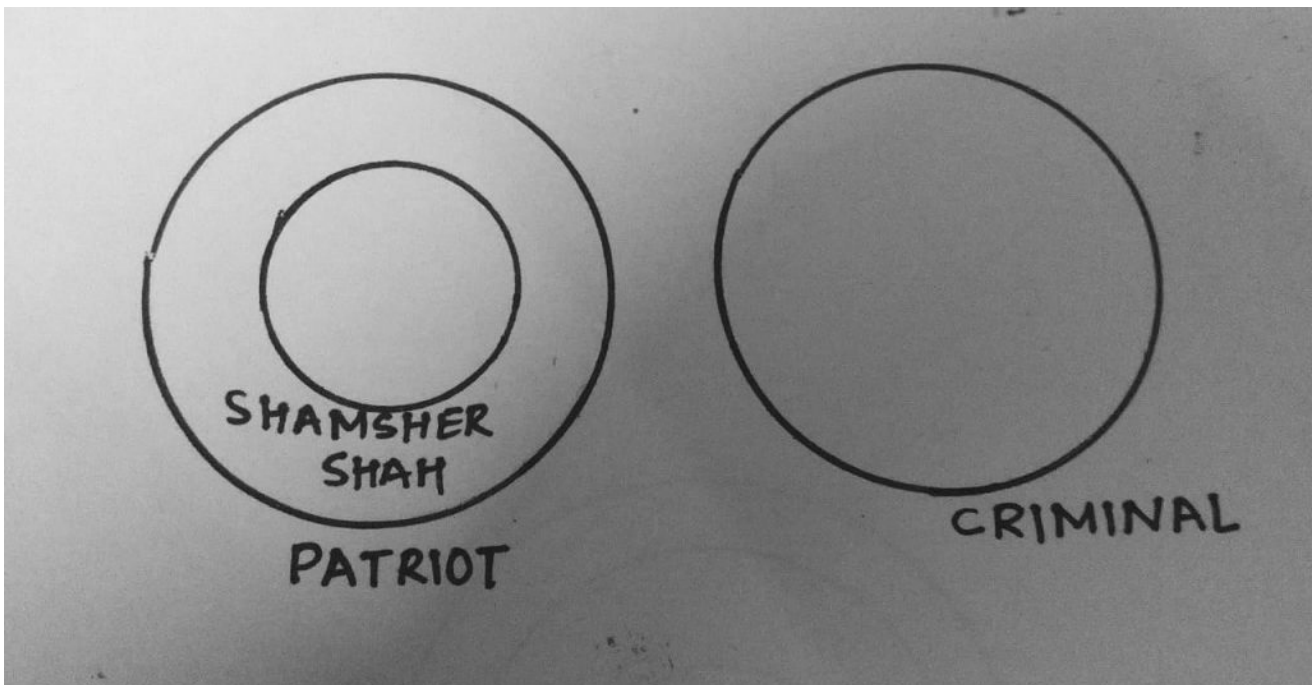
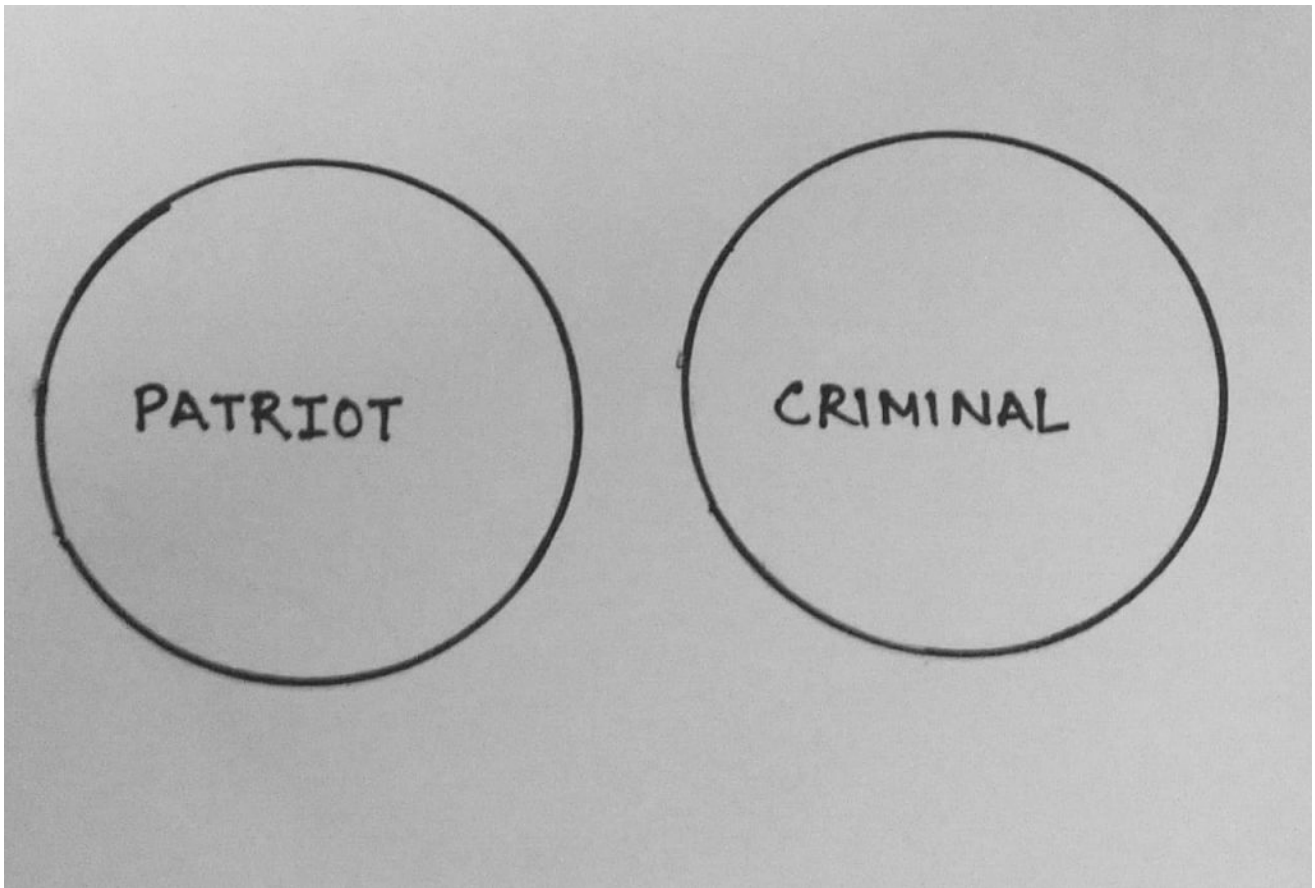
1. From statement B:





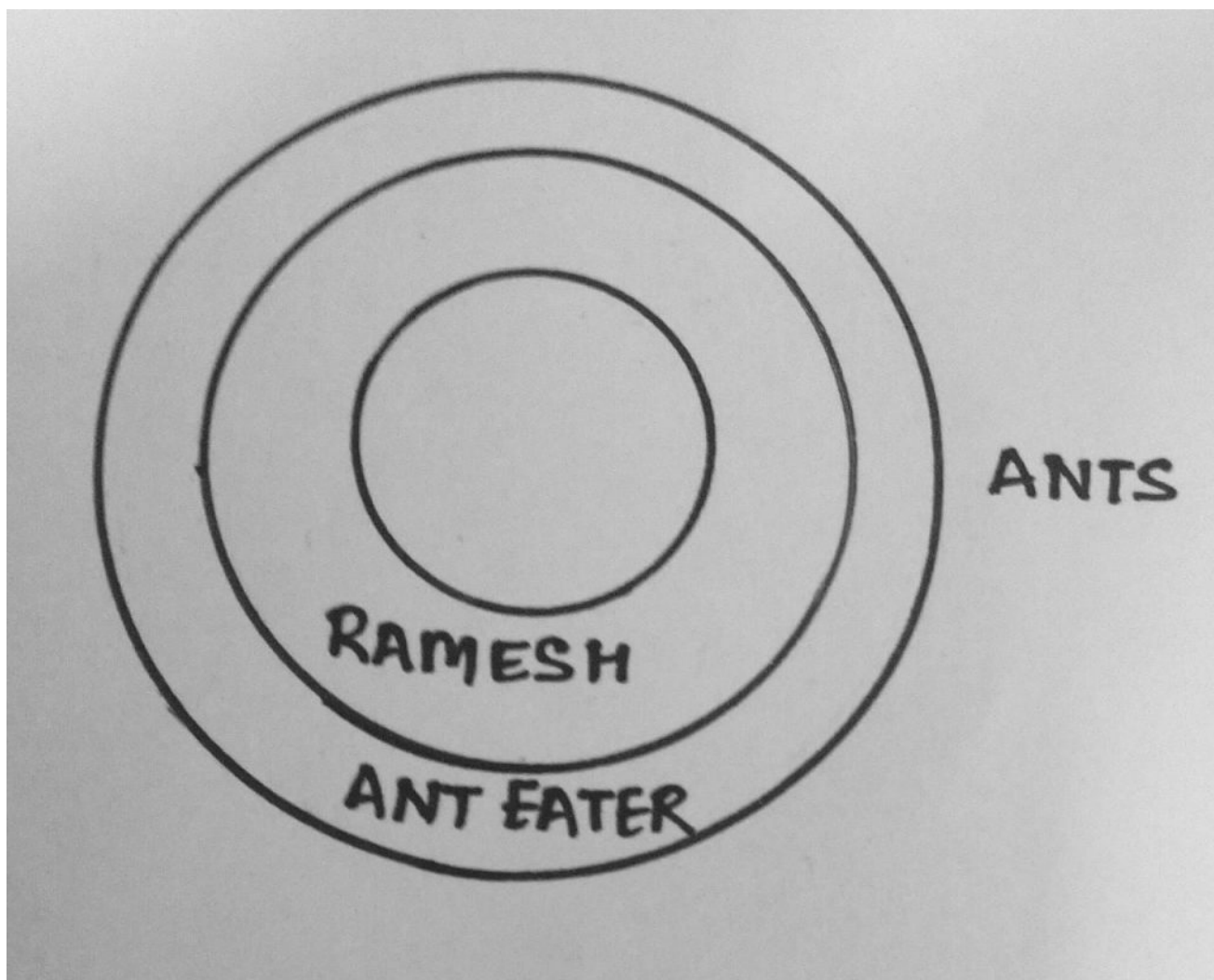
Therefore, the answer is (b).

1. From statement A :



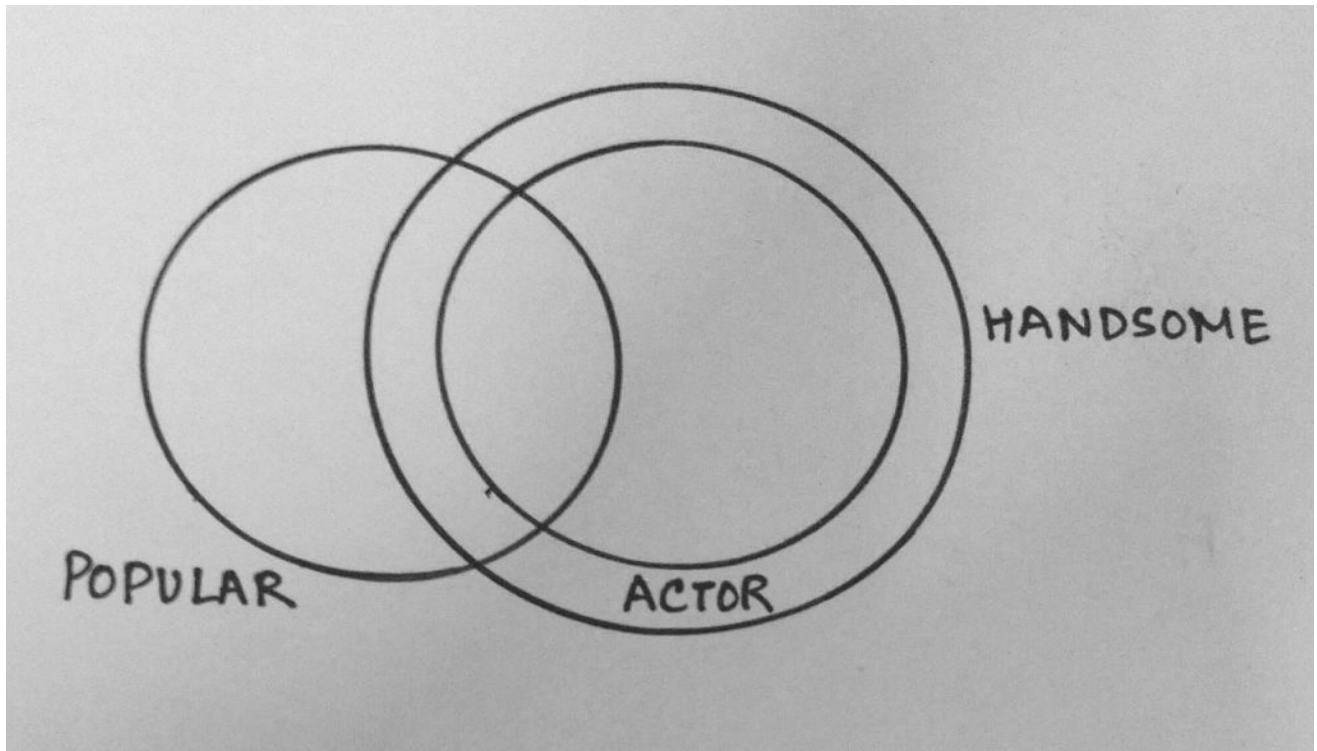
Therefore, the answer is (a).

1. From A & C



Hence D is the conclusion from A & C. Therefore, the answer is (d).

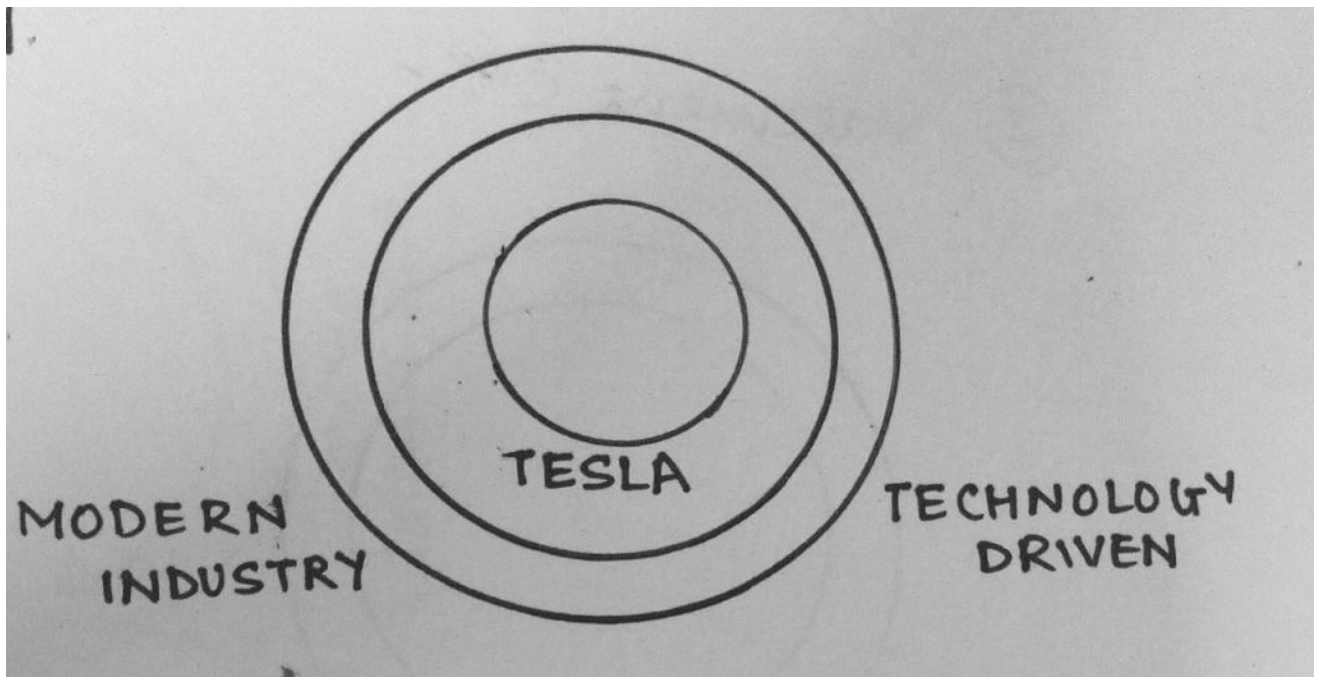
1. From A & B



Hence, we can conclude E.

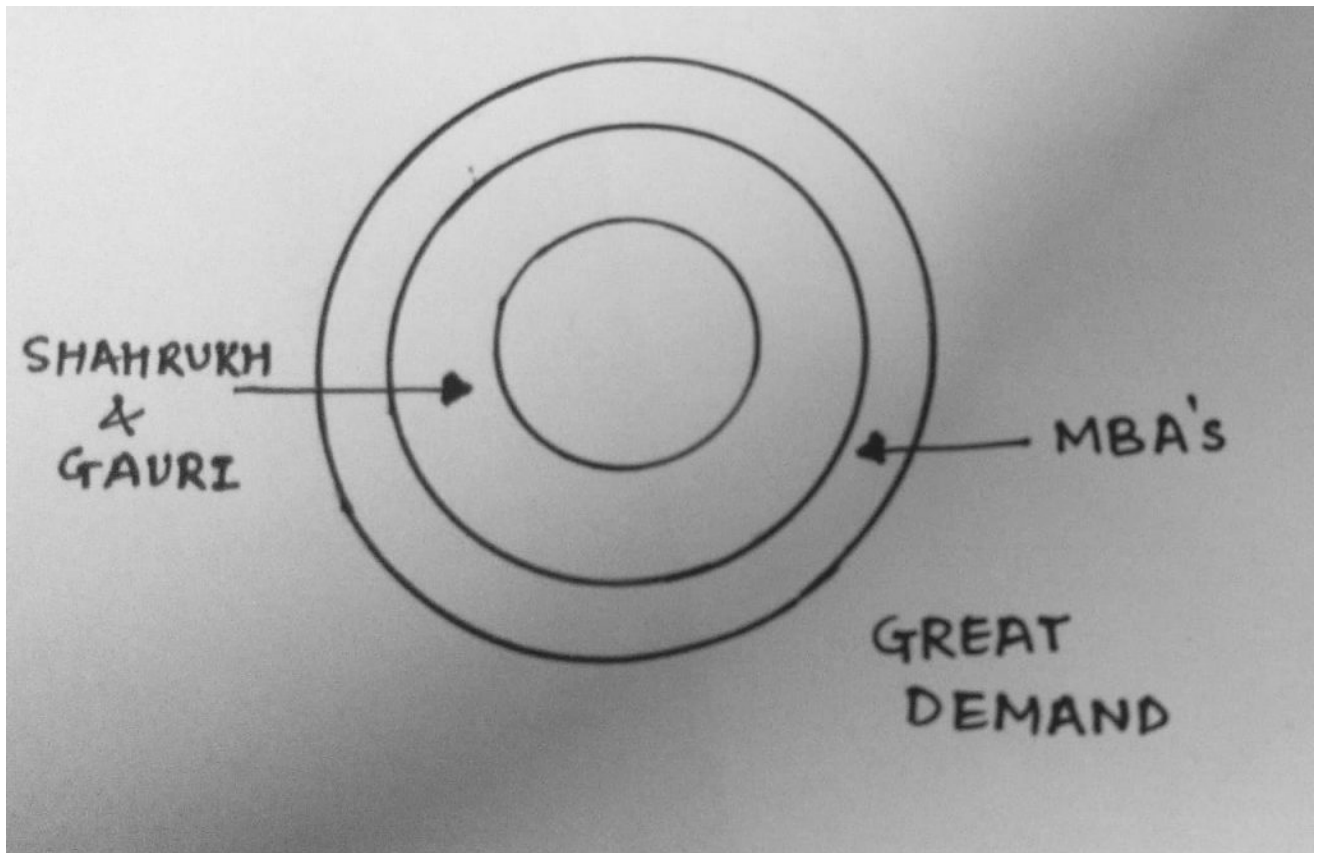
Therefore, the answer is (b).

1. From A & B



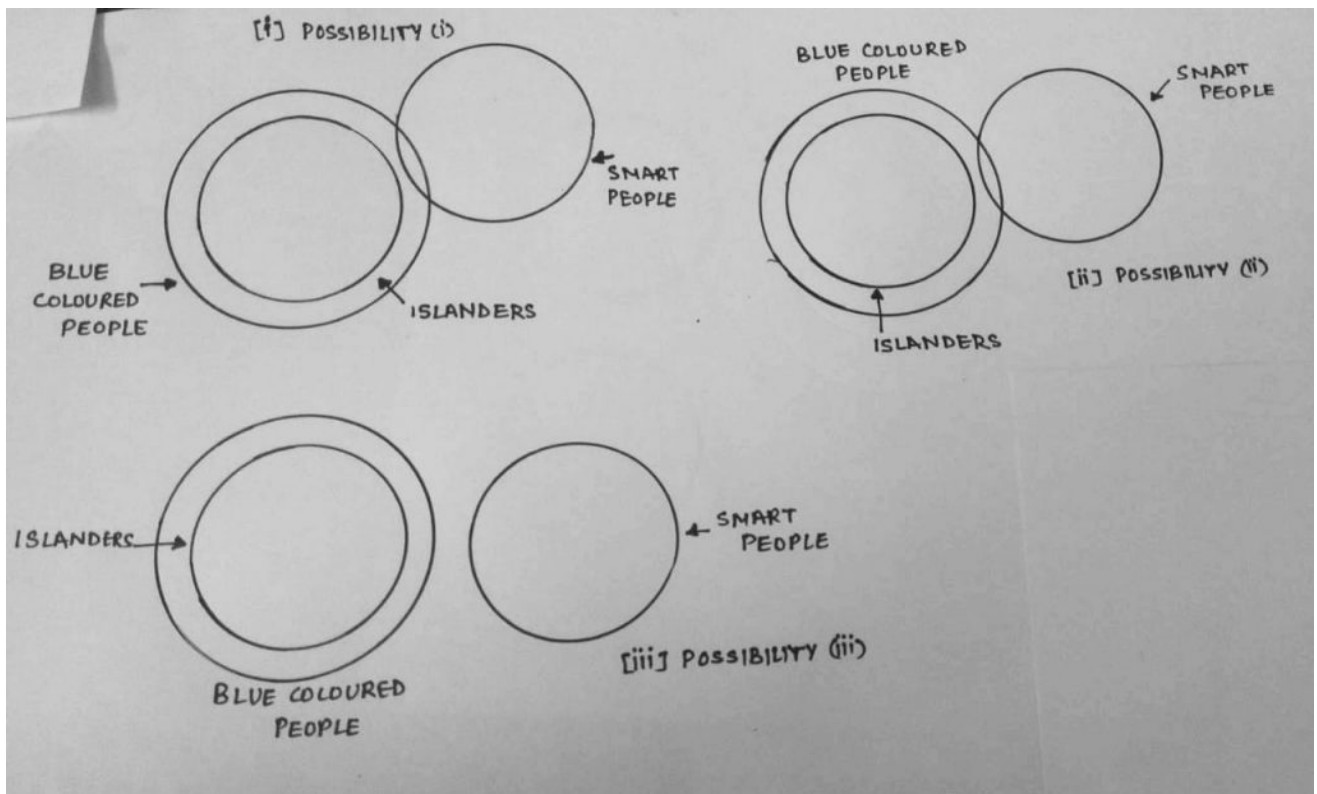
Hence, we can conclude C. Therefore, the answer is (a).

1. From A & B



In all the 3 possibilities, E could be concluded. Therefore, the answer is (b).

1. From A & E



Hence B can be concluded. Therefore, the answer is (c).

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