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

- Shamsher shah is not a criminal
- Shamsher shah is a patriot
- Shamsher shah is not a patriot
- Shamsher 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

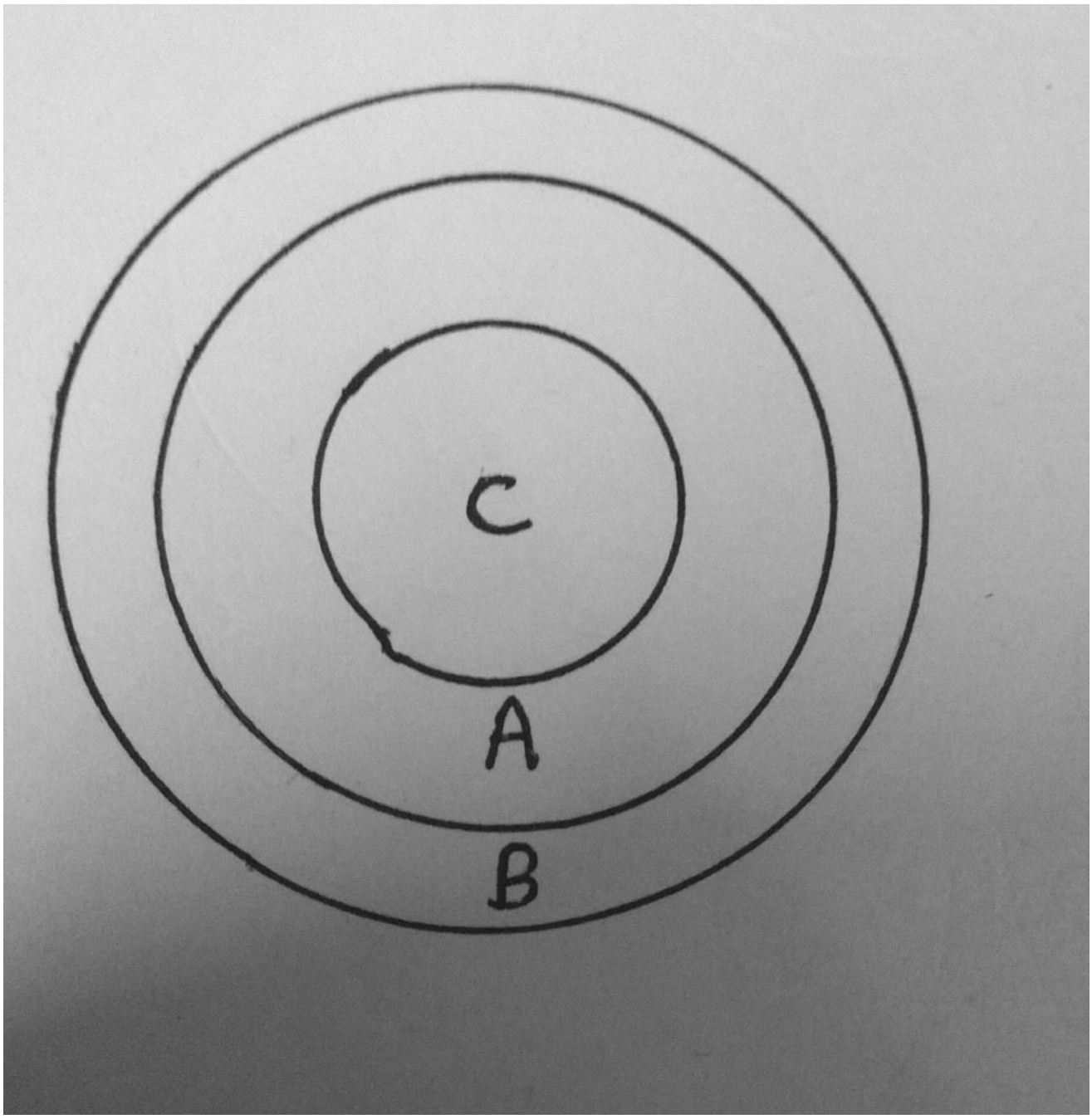
- (a) BCD
- (b) ABE
- (c) CBD
- (d) None of the above

- (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

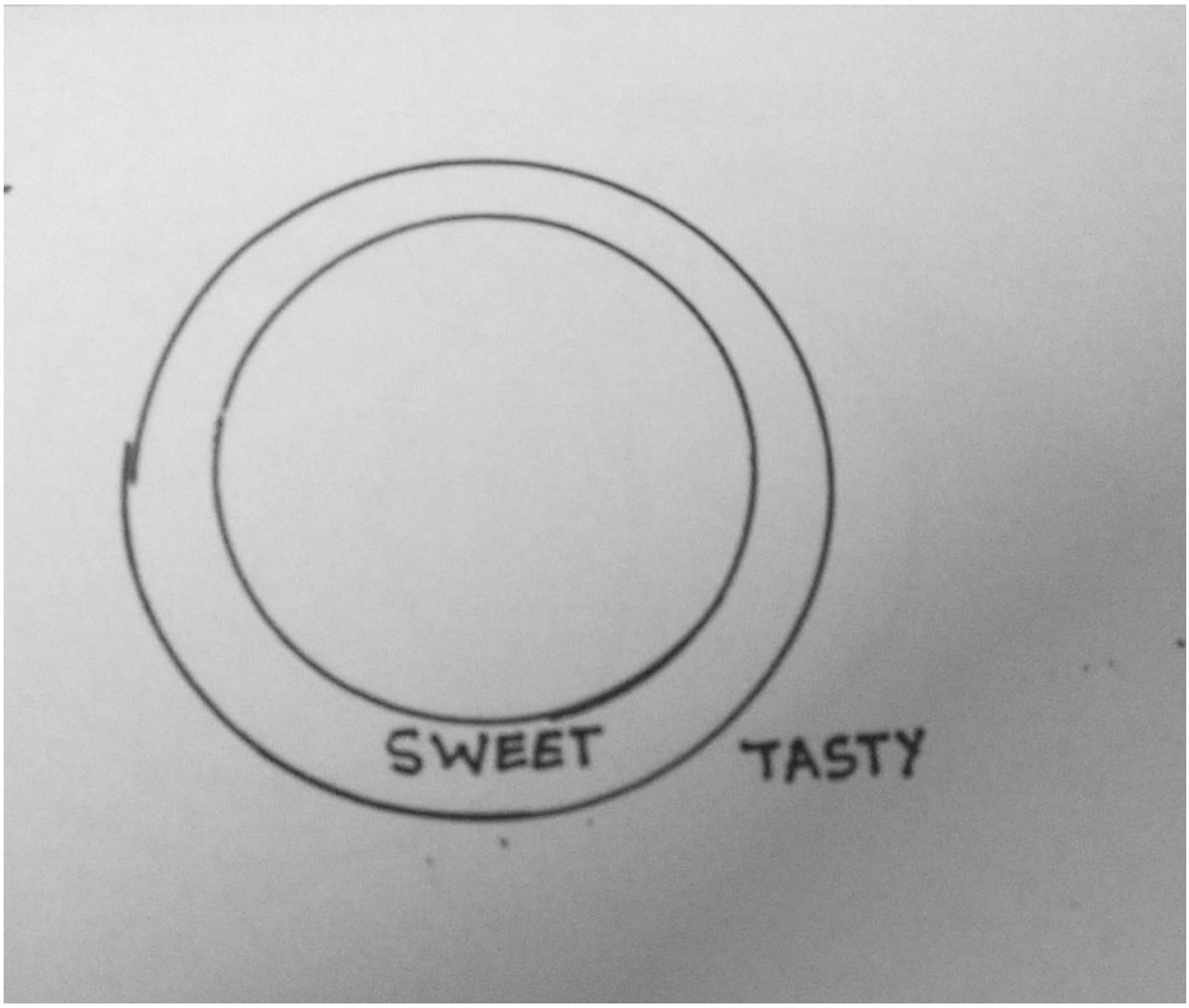
- (a) ABE
- (b) ECD
- (c) AEB
- (d) EBA

## ANSWER KEY

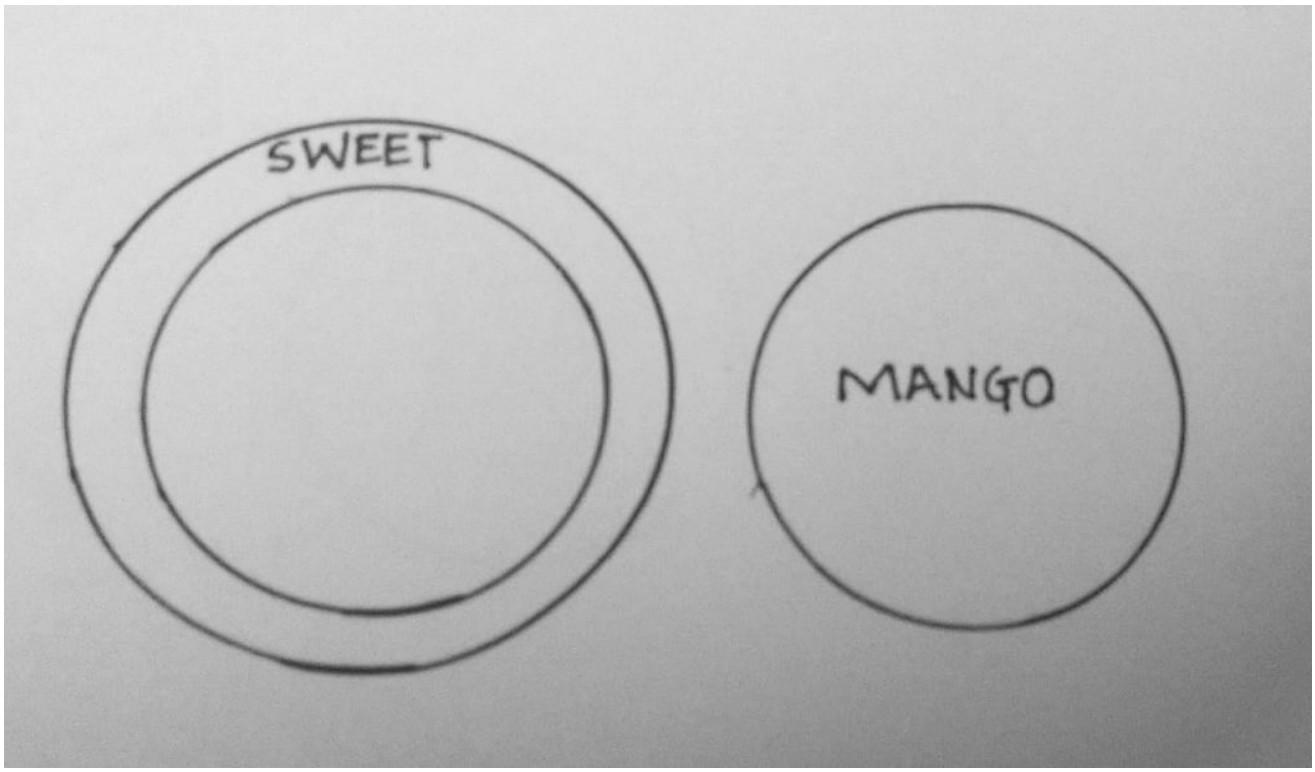
1. Statement A says that “All software companies employ knowledge workers” and statements C says “Vistara tech is a software company”. Hence we can conclude statement B says Vistara Tech employs knowledge workers. Hence Answer in (b)
2. Statement B says the increase in Carbon Monoxide is hazardous to 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 :

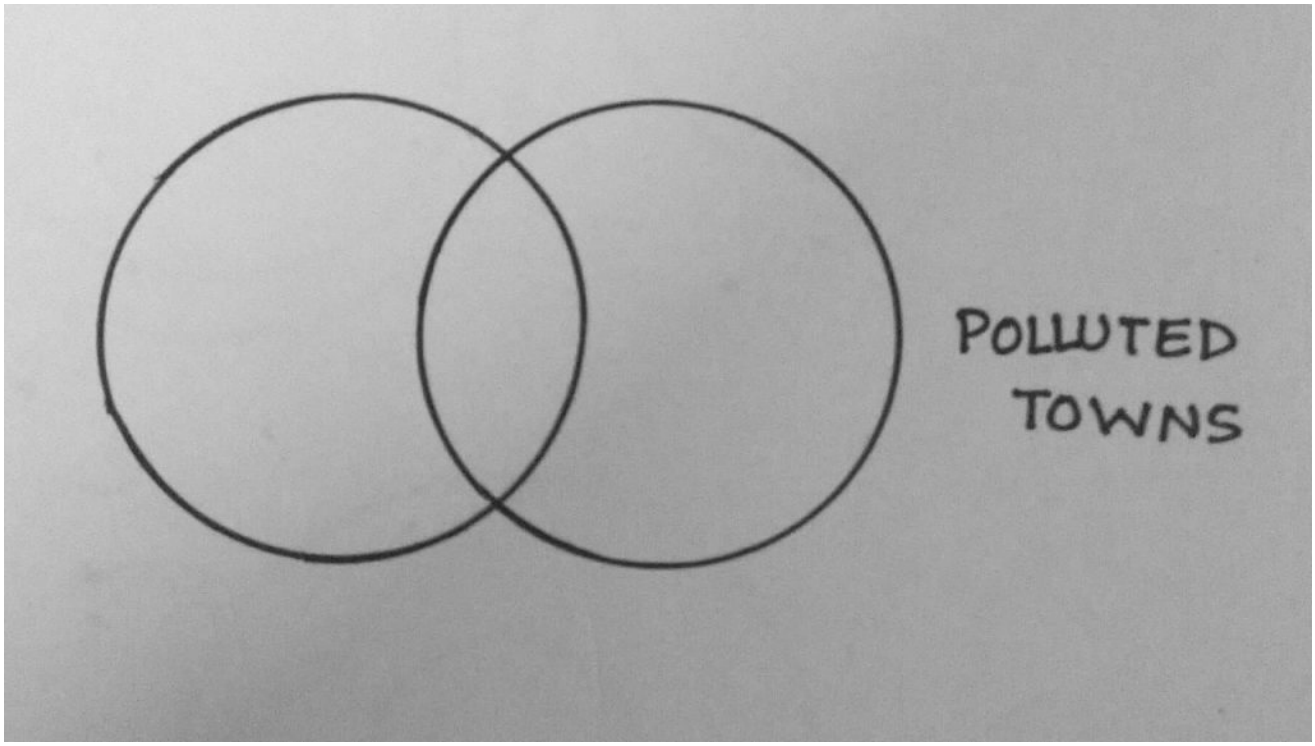


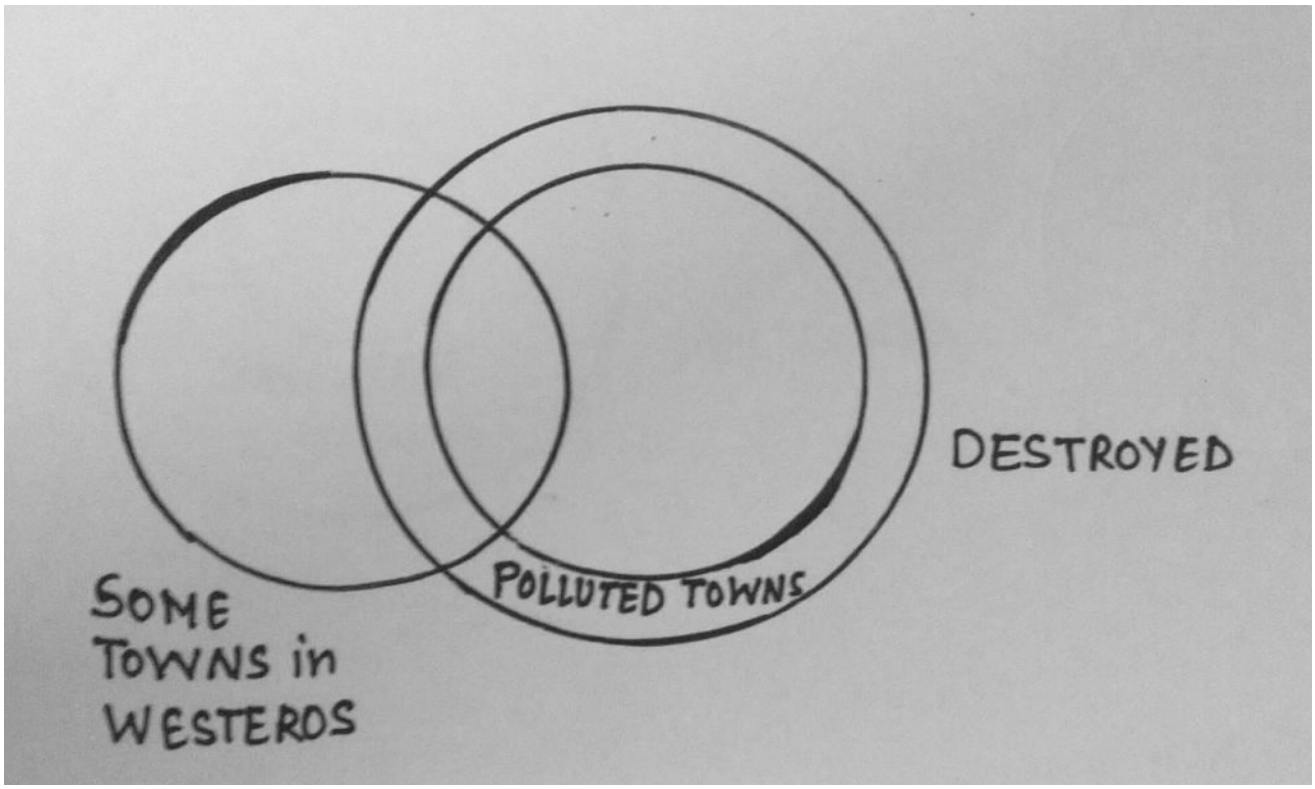

Hence we can conclude that “No Mango is sweet”.

Therefore, the answer is (a)

1. From statement B:

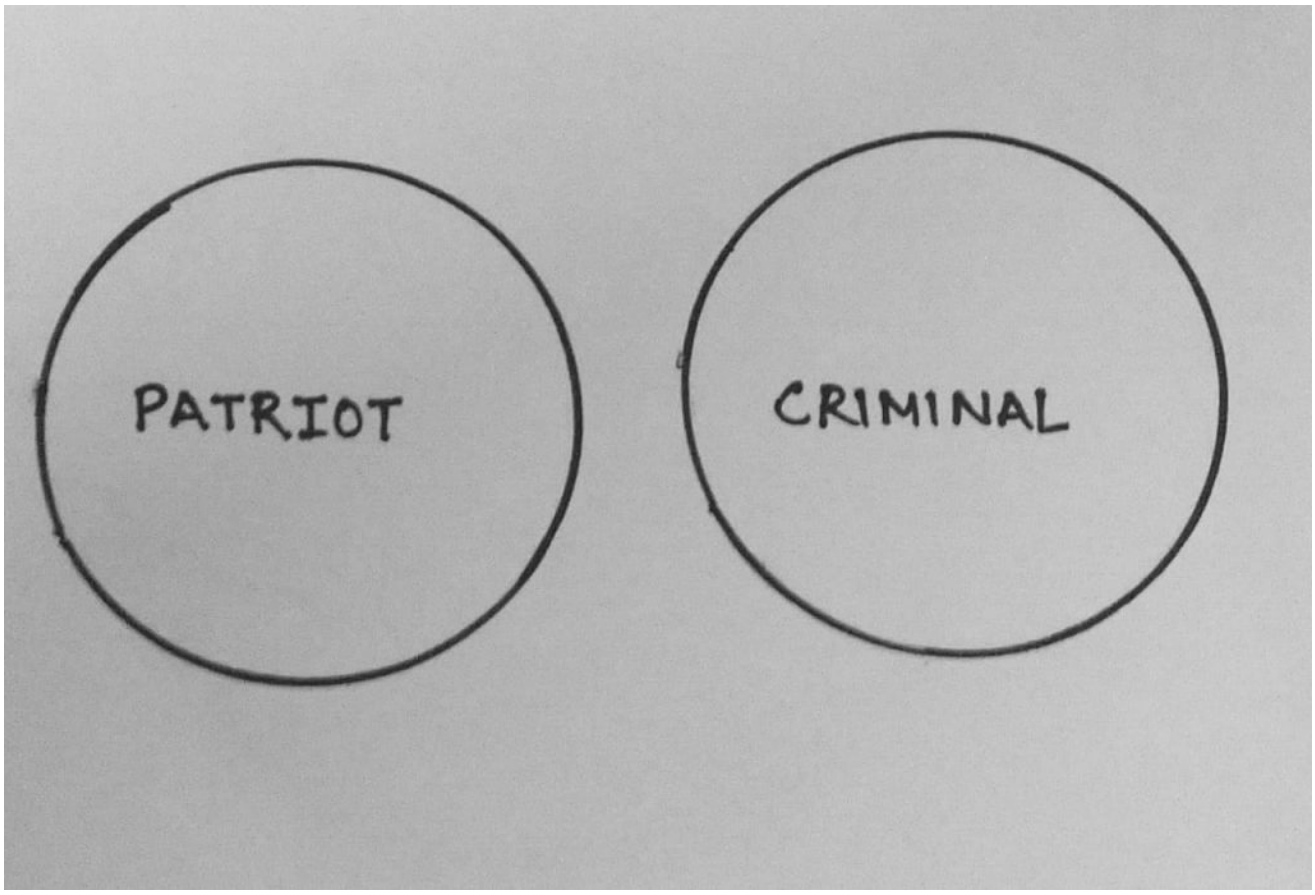

POLLUTED
TOWNS
DESTROYED

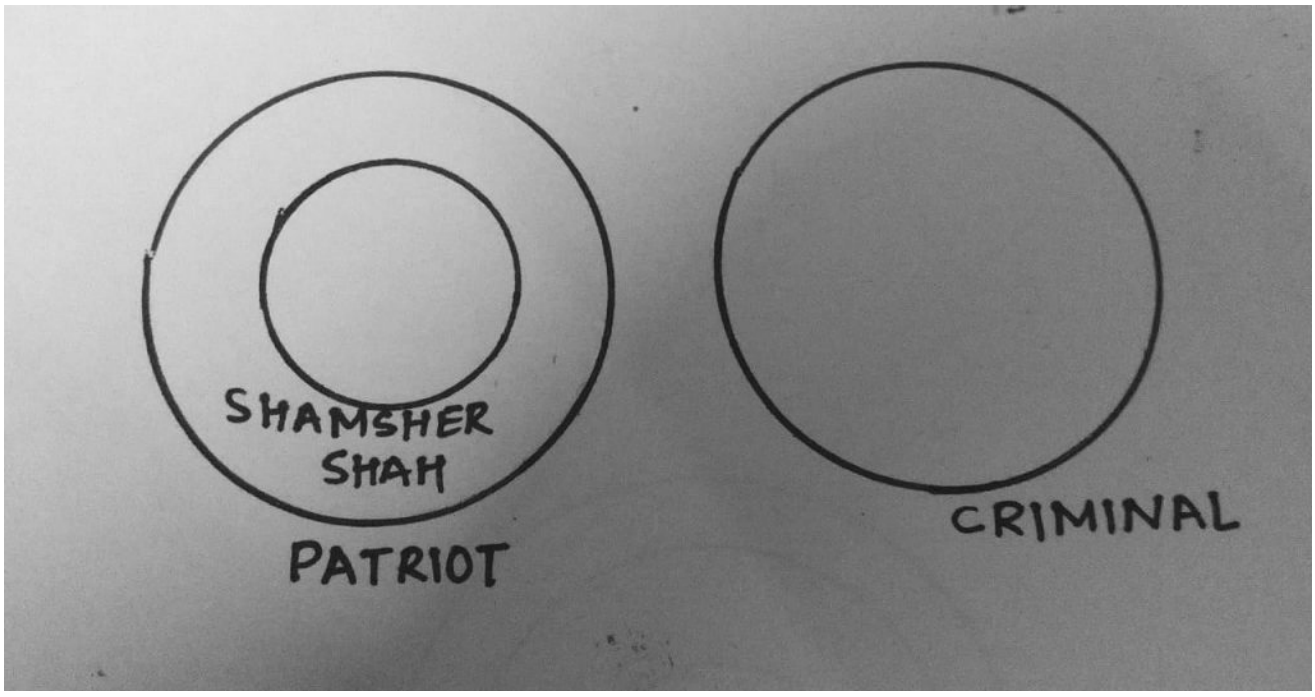

POLLUTED
TOWNS




Therefore, the answer is (b).

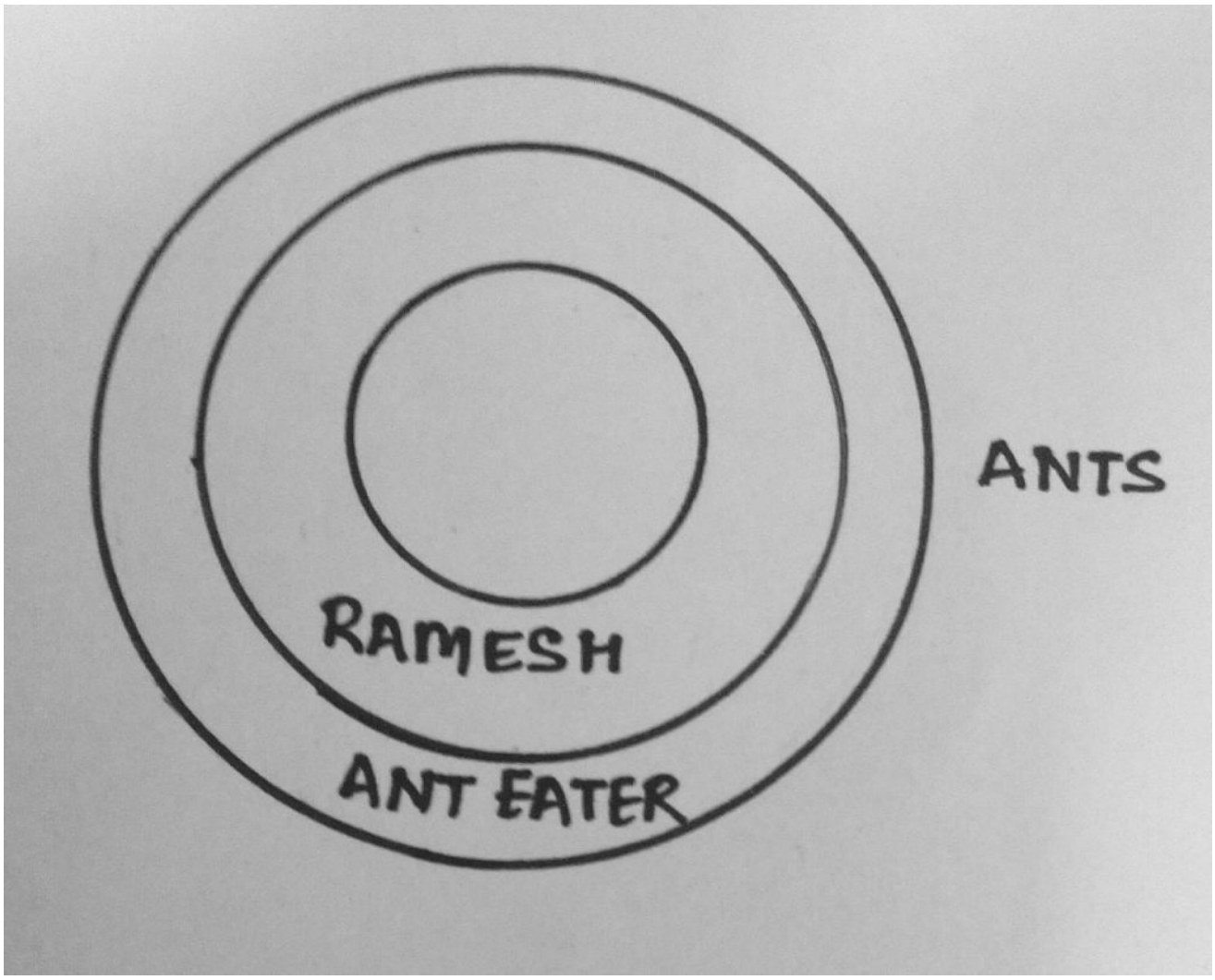
1. From statement A :



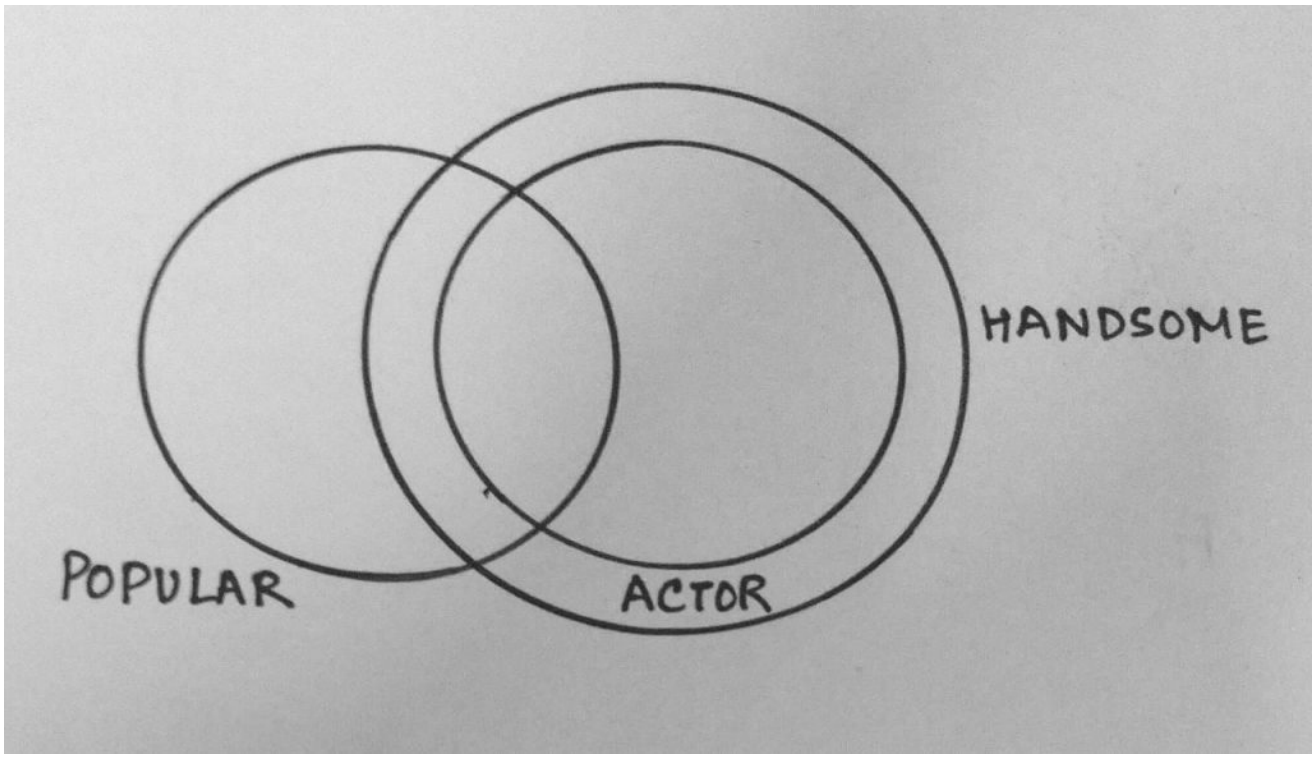

Therefore, the answer is (a).

1. From A & C




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

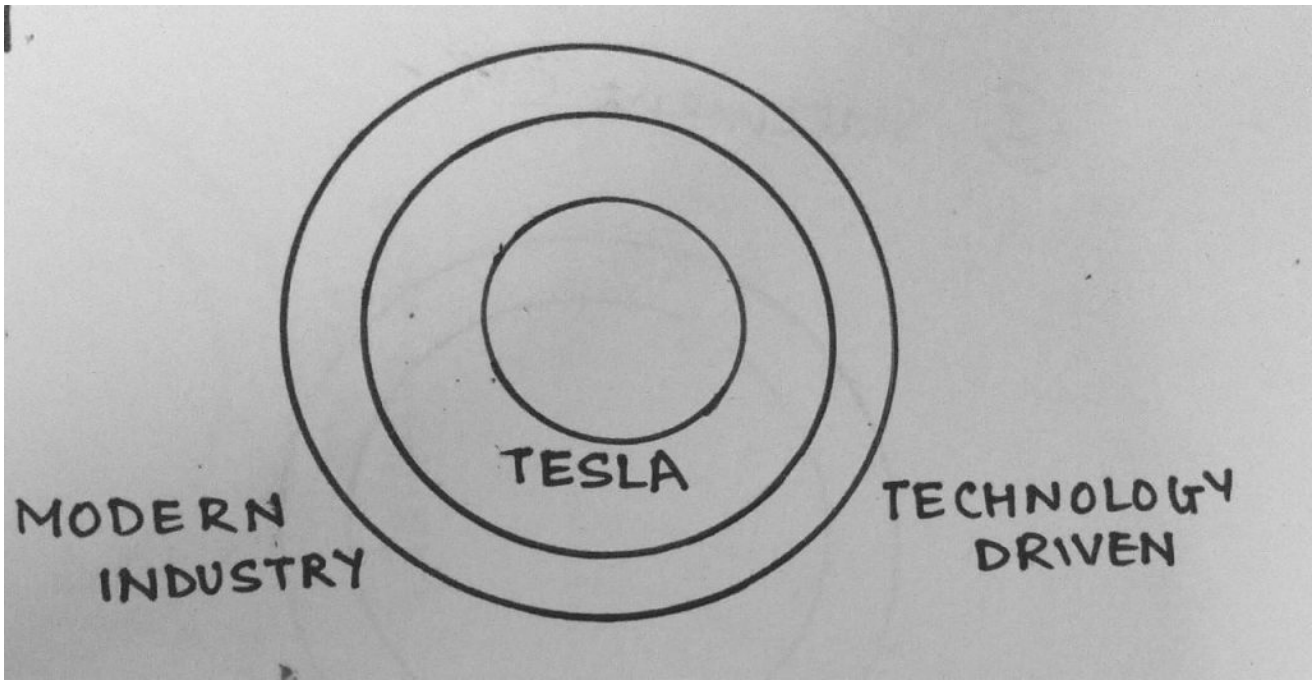
1. From A & B




Hence, we can conclude E.

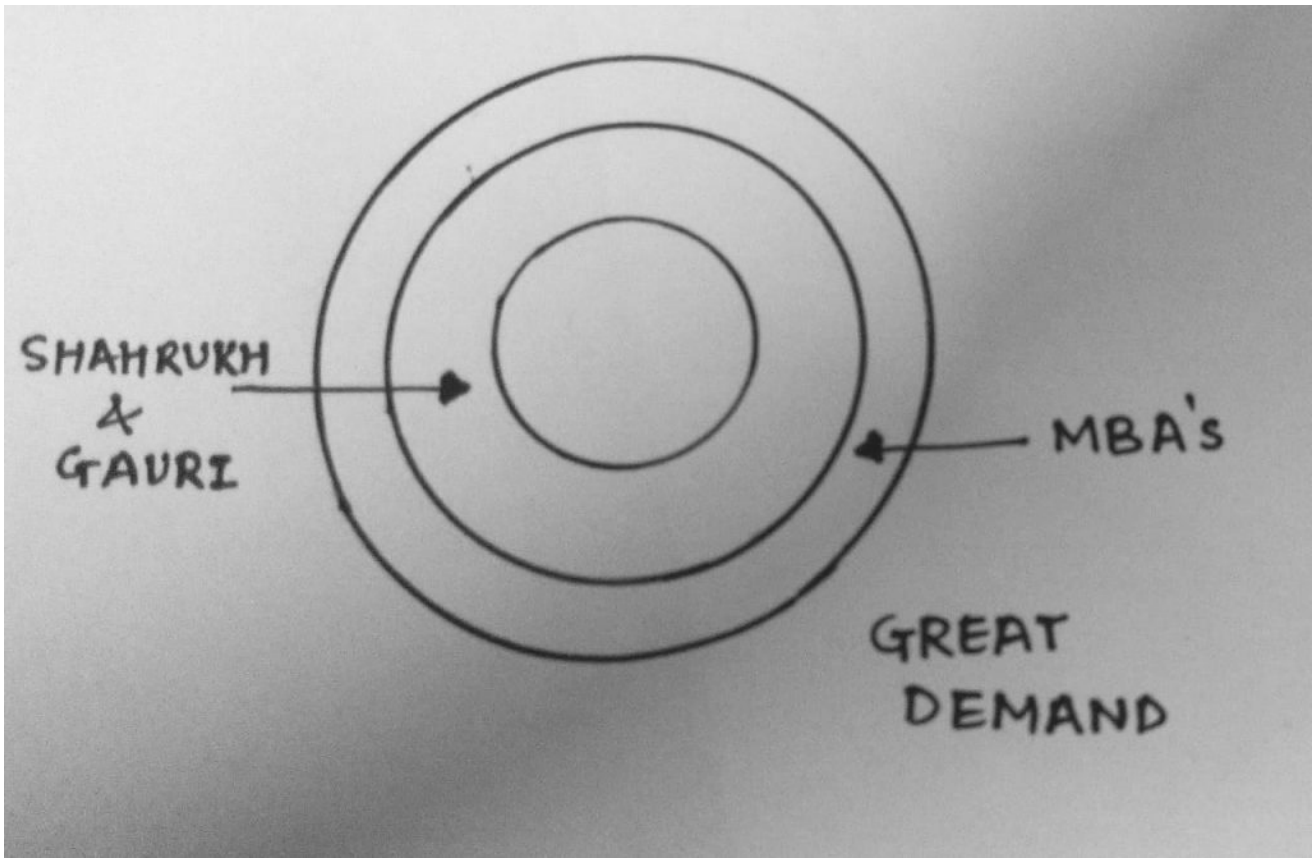
Therefore, the answer is (b).

1. From A & B



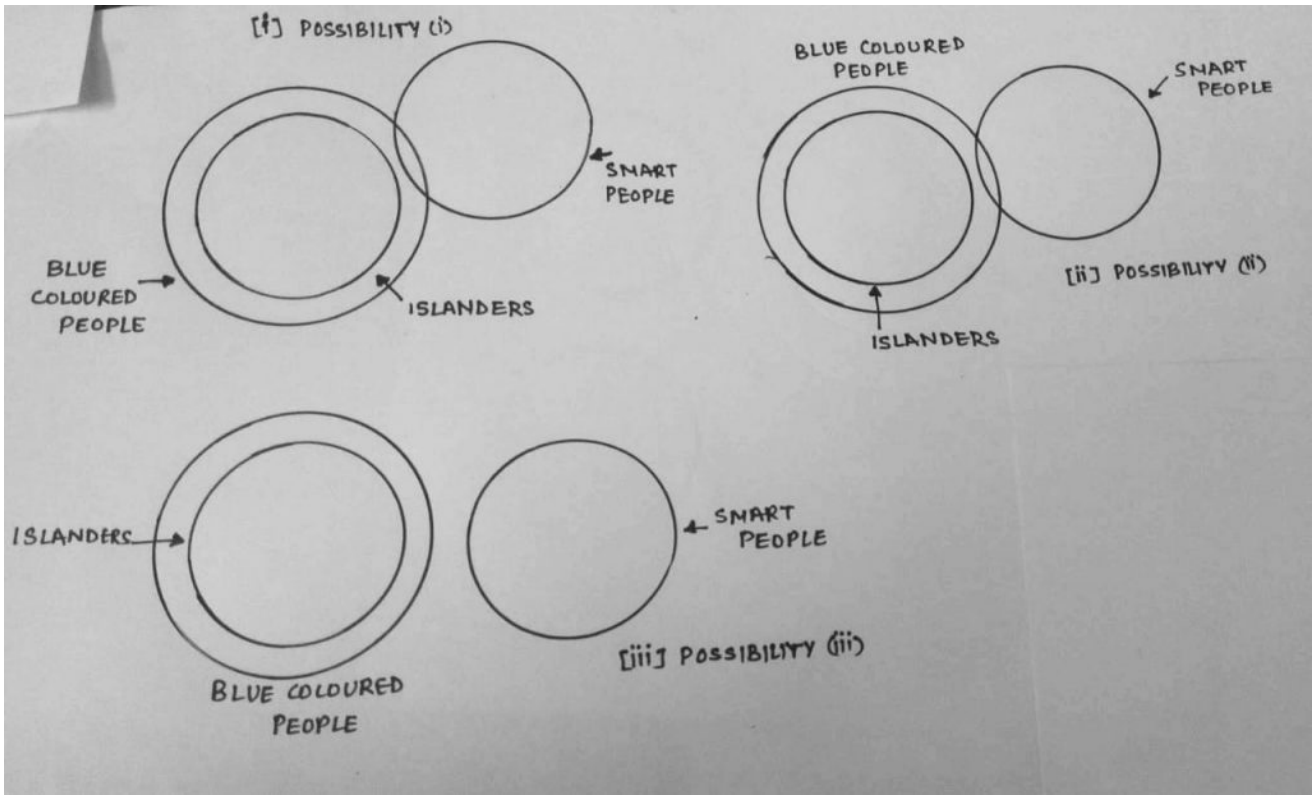

Hence, we can conclude C. Therefore, the answer is (a).

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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