

Logical Connectives

Practice Exercise

Directions for questions [1 to 20]:- Each of these questions contain a main statement followed by four statements marked a, b, c and d. Find out which among these four logically follows the main statement.

1) Whenever Rajeev uses the internet, he dreams about spiders.

- a) Rajeev did not dream about spiders.
- b) Rajeev used the internet.
- c) Rajeev dream about spiders.
- d) Rajeev did not use the internet.

1) CB and DA 2) DC and AD 3) AD and BC 4) DA and BC

2) Dukes manufacture wafers, if the bank gives loan.

- a) The bank gave loan, means that dukes manufactured wafers.
- b) Dukes manufactured wafers, implies that the bank gave loan.
- c) Dukes did manufacture not wafers that means the bank did not give loan.
- d) The bank did not give loan means; Dukes did not manufacture wafers.

1) Only A & C 2) Only A & D 3) Only C & D 4) Only A & B

3) Whenever my uncle comes home, he brings chocolates for us.

- a) My uncle came home means he brought the chocolates for us.
- b) My uncle did not bring chocolates means that he did not came home.
- c) My uncle brought chocolates for us means he came home.
- d) My uncle came home but he did not brought chocolates.

1) Only A & B 2) Only A 3) Only B 4) None of these

4) Whenever the gates are opened, the dog goes out.

- a) The dog went out means the gates are opened.
- b) The dog did not go out means the gates are opened.
- c) The gates are opened means that the dog went out.
- d) The dog did not go out means, the gates are not opened.

1) Only A & D 2) Only A & B 3) Only C & D 4) Only B & C

5) Only if it is Sunday, Neil plays chess.

- a) It is Sunday implies that Neil played chess.**
- b) It is not Sunday implies Neil did not play chess.**
- c) Neil did not play chess means it is not Sunday.**
- d) It is Sunday means Neil did not play chess.**

1) Only A 2) Only B 3) Only C 4) Only D

6) Mr. Bill gates visits A.P only if the C.M of AP invites him.

- a) The C.M of A.P invited the person means he comes.**
- b) Mr. Bill Gates visited A.P means the C.M of AP invited him.**
- c) Mr. Bill Gates did not visit AP means the C.M of A.P did not invite him.**
- d) The C.M of A.P did not invite Mr. Bill Gates implies that he did not visit A.P.**

1) Only B & D 2) Only C & D 3) Only A & B 4) None of these

7) Only if Java is learnt, you get a job.

- a) You learnt Java means you got a job.**
- b) You got the job means you learnt Java.**
- c) You did not get a job means you did not learn Java.**
- d) You did not learn Java means you got a job.**

1) Only A 2) Only B 3) Only C 4) Only D

8) If you pass the entrance examination then you will get admission.

- a) You did not get admission means you did not pass the entrance examination.**
- b) You got admission means you have passed the entrance examination.**
- c) You did not pass the entrance examination means you got the admission.**
- d) You got admission means you did not pass the entrance examination.**

1) Only B 2) Only C 3) Only A 4) None of these

9) Either it is Sunday or it is a holiday.

- a) It is not a Sunday means it is a holiday. b) It is not a holiday means it is Sunday.**
- c) It is Sunday means it is not a holiday. d) It is a holiday means it not a Sunday.**

1) Only A 2) Only A & B 3) Only C 4) Only C & D

10) Either I work for Wipro implies that I work for T.C.S

- a) I work for Wipro implies that I do not work for TCS**
- b) I did not work for Wipro means I work for TCS**
- c) I did not work for TCS implies I did not work for Wipro.**
- d) I did not work for TCS implies I work for Wipro.**

1) Only A & B 2) Only C & D 3) Only C & B 4) Only B & D.

11) Either the dog barks or it bites.

- a) The dog did not bite means it barks.
 - b) The dog did not bark means it did not bite.
 - c) The dog bites means it did not bark.
 - d) The dog barks means it did not bite.
- 1) Only C 2) Only D 3) Only A 4) Only B

12) Only if you buy a ticket, then you can play a game.

- a) You did not play a game implies you bought a ticket.
- b) You played a game means you bought a ticket.
- c) You did not buy a ticket implies you did not play a game.
- d) You played a game means you did not buy a ticket.

- 1) Only A & B 2) Only C & D 3) Only B & C 4) Only A & D

13) Whenever Uncle or grandfather visits home, we go for a Picnic

- a) Uncle visited home implies we went for a picnic.
- b) Grandfather visited home hence we went for a picnic
- c) Both my uncle and grandfather visited home implies we went for a picnic
- d) We did not go for a picnic means neither my uncle nor grandfather visited home

- 1) Only A & B 2) All A, B, C and D 3) only C & D 4) None of these

14) Hari will go to watch the movie, If Rajiv book the tickets

- a) Rajiv book the tickets.
- b) Hari did not go to the movie.
- c) Rajiv did not book the tickets.
- d) Hari went to the watch the movie.

- 1) AB and CD 2) CB and CD 3) AD and BC 4) None of these

15) Either the movie is a blockbuster or a big flop.

- a) Movie is a blockbuster
- b) Movie is a big flop
- c) Movie is not a blockbuster
- d) Movie is not a big flop

- 1) CA and DB 2) BC and BA 3) BA and CD 4) CB and DA

16) Either the tank had a leak or the outlet is open.

- a) The tank does not have a leak
- b) The outlet is open
- c) The outlet is not a leak
- d) The tank has a leak

- 1) CA alone 2) CD alone 3) DC and BA 4) CD and AB

17) If the desert is vast, then the ocean is hollow.

- a) The desert is vast.
- b) The desert is not vast.
- c) The ocean is hollow.
- d) The ocean is not hollow.

1) CA 2) BD 3) BC 4) DB

18) The umpire gives a break, only if the audiences get bored

- a) The umpire gave a break.
- b) The umpire did not give a break.
- c) The audience do not get bored.
- d) The audience got bored.

1) CD 2) AD 3) BC 4) DB

19) Either the sun sets or the moon does not rise.

- a) The moon rises.
- b) The sun sets.
- c) The moon does not rise.
- d) The sun did not set.

1) AD 2) CD 3) CB 4) AB

20) The inflation does not fall, if the prices do not fall.

- a) The inflation fell
- b) The inflation did not fall
- c) The prices did not fall
- d) The prices fall

1) CA 2) BD 3) BC 4) AD

Check The Answers

1	3	6	1	11	3	16	4
2	1	7	2	12	3	17	4
3	1	8	3	13	2	18	2
4	3	9	2	14	3	19	4
5	2	10	4	15	4	20	4