

IBPS RRB 2022

30 Important Questions of Syllogism & Coding- decoding

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Directions: In each question below are given two or more statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

1. Statements:

All triangles are squares.
No square is a rectangle.
Some circles are rectangles.

Conclusions:

- I. At least some circles are not squares.
- II. No rectangle is a square.
- A. if only conclusion I follows.
- B. if only conclusion II follows.
- C. if either conclusion I or II follows.
- D. if neither conclusion I nor II follows.
- E. if both conclusions I and II follow.

Directions: In each question below are given two or more statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

2. Statements:

All triangles are squares.
No square is a rectangle.
Some circles are rectangles.

Conclusions:

- I. No triangle is a rectangle.
- II. Some rectangles are not circles.
- A. if only conclusion I follows.
- B. if only conclusion II follows.
- C. if either conclusion I or II follows.
- D. if neither conclusion I nor II follows.
- E. if both conclusions I and II follow.

Directions: In each question below are given two or more statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

3. Statements:

All bottles are cups.
Some plates are cups.
No plate is a spoon.

Conclusions:

- I. All spoons are not cups.
- II. All cups being plates is a possibility.
- A. if only conclusion I follows.
- B. if only conclusion II follows.
- C. if either conclusion I or II follows.
- D. if neither conclusion I nor II follows.
- E. if both conclusions I and II follow.

Direction: In each of the following questions two statements are given and these statements are followed by two conclusions numbered 1 and 2 You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.

4. Statements:

Some classes are schools.
Some schools are colleges.
All colleges are universities.

Conclusions:

- I. Some colleges are classes
- II. No university being classes is a possibility.
- A. If only I follows
- B. If only II follows
- C. If either I or II follows
- D. If neither I nor II follows
- E. If both I and II follow

Direction: In each of the questions below are given four statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.



statements disregarding commonly known facts.

5. Statements:

All chairs are fire.
Some fires are winds.
All winds are nets.
Some nets are clocks.

Conclusions:

- I. Some clocks are winds.
- II. Some nets are fires.
- III. Some winds are chairs.
- A. None follows
- B. Only I follows
- C. Only II follows
- D. Only III follows
- E. Only II and III follow

Direction (6 – 10) : In the following question, some statements are followed by some conclusions. Assuming the given statements to be true, find which of the following conclusions follow the given statements and choose appropriate answer choice.

6. Statements:

No doctor is engineer.
Some engineers are teachers.
Some teachers are bankers.

Conclusions:

- I. All engineer being banker is a possibility.
- II. There is a possibility that some bankers are doctors.
- A. If both conclusions I and II follow
- B. If only conclusion II follows.
- C. If conclusion Either I or II follows.
- D. If only conclusion I follows.
- E. If conclusion Neither I nor II follows.

7. Statements:

No doctor is engineer.
Some engineers are teachers.
Some teachers are bankers.

Conclusions:

- I. Some teachers are doctors.
- II. No teacher is a doctor.
- A. If only conclusion I follows.
- B. If only conclusion II follows.
- C. If both conclusions I and II follow.
- D. If conclusion Neither I nor II follows.
- E. If conclusion Either I or II follows.

8. Statements:

Some chocolates are candies.
Some toffees are gems.
Some candies are gems.

Conclusions:

- I. At least some gems are chocolates.
- II. All gems being chocolates as well as candy are a possibility.
- A. If both conclusions I and II follow
- B. If only conclusion II follows.
- C. If conclusion Neither I nor II follows.
- D. If conclusion Either I or II follows.
- E. If only conclusion I follows.

9. Statements:

Some chocolates are candies.
Some toffees are gems.
Some candies are gems.

Conclusions:

- I. At least some gems are chocolates.
- II. All candies are toffees.
- A. If only conclusion II follows.
- B. If both conclusions I and II follow
- C. If conclusion Either I or II follows.
- D. If conclusion Neither I nor II follows.
- E. If only conclusion I follows.

10. Statements:

Some tables are chairs.
No chair is a box.
Some boxes are drawers.

Conclusions:

- I. Some drawers are tables.
- II. No table is a drawer.
- A. If both conclusions I and II follow
- B. If conclusion Neither I nor II follows.
- C. If conclusion Either I or II follows.
- D. If only conclusion II follows.
- E. If only conclusion I follows.

Direction: In each of the questions below, statements are given followed by two conclusions numbered I and II. Read all the conclusions and then decide which of the given conclusions follow from the given statements.

11. Statements:

Some Ram is Ravi.
Some Raman is Ravi.
All Ravi are Raju.
No Raman is Rohan.

Conclusions:

- I. All Rohan are Raju is a possibility.
- II. No Ravi is Rohan.



- A. only I follows
- B. only II follows
- C. either I or II follows
- D. neither I nor II follow
- E. both I and II follow

Direction: The following question consists of four statements followed by two conclusions. Consider the statements to be true even if they vary from commonly known facts and find out which of the conclusions logically follow(s).

12. Statements:

Some problems are easy.
All tough are easy.
All puzzles are problems.
Some tough are different.

Conclusions:

- I. At least some easy are different.
- II. Some tough are puzzles.
- A. Only conclusion I follow.
- B. Only conclusion II follow.
- C. Either conclusion I or II follows.
- D. Neither conclusion I or II follows.
- E. Both conclusion I and II follows.

Direction: The following question consists of four statements followed by two conclusions. Consider the statements to be true even if they vary from commonly known facts and find out which of the conclusions logically follow(s).

13. Statements:

All seconds are minutes.
All minutes are hours.
No month is hour.
All days are months.

Conclusions:

- I. Some hours are days.
- II. Some months which are days being seconds is a possibility.
- A. Only conclusion I follow.
- B. Only conclusion II follow.
- C. Either conclusion I or II follows.
- D. Neither conclusion I or II follows.
- E. Both conclusion I and II follows.

Direction: In question, some statement are given followed by some conclusions. Read all the conclusions and decide which of the given conclusion follow the given statements.

14. Statements:

Some Rupee are Dollar.
All Dollar is Yen.
Some Yen is Yuan.
No Renminbi is Dollar

Conclusions:

- I. All Yuan are Renbinbi is a possibility.
- II. All Renbinbi are Rupee is a possibility.
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follow
- E. Both I and II follow

Direction: In question, statement are given followed by two conclusions. Read all the conclusions and decide which of the given conclusion follow the given statements.

15. Statements:

Some White are Blue.
All Blue are Red.
No White is Green.
Some Red are Orange.

Conclusions:

- I. No Green is Blue.
- II. All Blue being Green is a possibility.
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follow
- E. Both I and II follow

Direction (16 – 20) : Read the following information carefully to answer the questions based on it.

In a certain coding language,
'Tell someone they matter' is written as 'BH PR AL MN';
'Someone at the door' is written as 'TS KD WC BH';
'Tell door closer adjustment' is written as 'AL CN UV KD';
'Adjustment to the matter' is written as 'PR EG TS CN'.

16.

What is the code for 'Adjustment'?

- A. UV
- B. EG
- C. KD
- D. CN
- E. None of these



17. What is the possible code for 'Close the matter' in the same coding language?

- A. UV PR TS
- B. MS PR TS
- C. UV PR KD
- D. TS MS UV
- E. None of these

18. Which word represents the code 'WC'?

- A. The
- B. Door
- C. Someone
- D. At
- E. None of these

19. What is the code for 'The closer'?

- A. CN TS
- B. WC EG
- C. UV TS
- D. UV EG
- E. None of these

20. What is the code for 'At to'?

- A. UV WC
- B. TS EG
- C. WC CN
- D. EG WC
- E. None of these

Direction (21 - 25) : Study the following data carefully and answer the questions accordingly.

'members best interact together' is coded as 'my ff fn sp',

'discharge option best together' is coded as 'fn xf ky sp',

'members best discharge entry' is coded as 'xf fn ff ra',

'interact best staff information' is coded as 'hu my fn bv'.

21. What is the possible code for 'information discharge'?

- A. fn bv
- B. my hu
- C. hu ky
- D. bv xf
- E. None of these

22. What is the code for 'members entry together'?

- A. sp ff xf
- B. ff fn ky

- C. ra sp ff
- D. fn sp my
- E. Cannot be determined

23. What is the code for 'option'?

- A. fn
- B. sp
- C. ky
- D. xf
- E. None of these

24. What does 'hu my' stands for?

- A. staff together
- B. best information
- C. interact information
- D. staff interact
- E. Cannot be determined

25. What does 'ra xf ky ff' stands for?

- A. staff discharge members option
- B. discharge entry best option
- C. members entry discharge option
- D. members best interact option
- E. Cannot be determined

Direction (26 - 30) : Study the information given below and answer the questions based on it.

In a certain code language,

'Umesh was playing cricket' is written as 'po ki top ma',

'Ashish was playing tennis' is written as 'kop ja ki ma',

'those are playing volleyball' is written as 'ki nop sop ho',

'cricket and tennis' is written as 'po viz kop'

26. What is the code, used for the word 'cricket'?

- A. po
- B. top
- C. ma
- D. ki
- E. None of these

27. Find the code used for the word 'volleyball'?

- A. top
- B. sop
- C. ho
- D. Can't be determined
- E. None of these



28. What would be the possible code for 'Umesh loves tennis'?

- A. kop ja top
- B. top ma ja
- C. top kop so
- D. ki kop so
- E. ki kop sa

29. What is the code used for the word 'playing'?

- A. ma
- B. kop
- C. ja
- D. ki

E. None of these

30. Find the code used for the word 'those'?

- A. ki
- B. top
- C. sop
- D. Can't be determined
- E. None of these

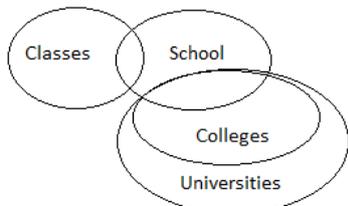


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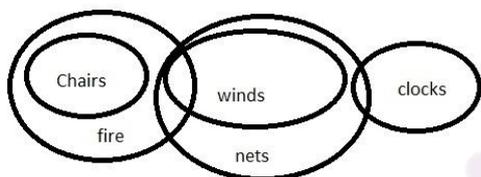
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###ANSWERS###

- 1. Ans. E.
Both conclusions I and II follow.
- 2. Ans. A.
Only conclusion I follows.
- 3. Ans. B.
Only conclusion II follows.
- 4. Ans. B.



- 5. Ans. C.
Let us take a Venn Diagram of the statement



It is clear that, only II conclusion follows.

- 6. Ans. A.
A possible Venn-diagram is:



Another possible Venn-diagram is:



Or,



From the above Venn-diagrams both the conclusion follows. Both conclusions I and II follow. So answer is option A.

- 7. Ans. E.
A possible Venn-diagram is:



Another possible Venn-diagram is:

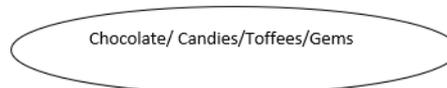


From the above Venn-diagram either I or II follows. So answer is option E.

- 8. Ans. B.
A possible Venn-diagram is:



Or,



From the above Venn-diagram only conclusion II follows. So answer is option B.

- 9. Ans. D.
A possible Venn-diagram is:



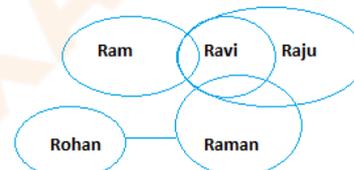
From the above Venn-diagram neither I nor II conclusion follows. So answer is option D.

- 10. Ans. C.
A possible Venn-diagram is:

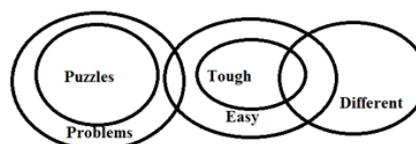


From the above Venn-diagram only either I or II conclusion follows. So answer is option C.

- 11. Ans. A.



- 12. Ans. A.



Conclusions:

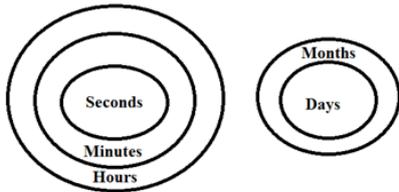
I. At least some easy are different. - (True) - It is clear from the given diagram.

II. Some tough are puzzles. - (False) - It cannot be said with certainty.

Hence, option A is the correct response.

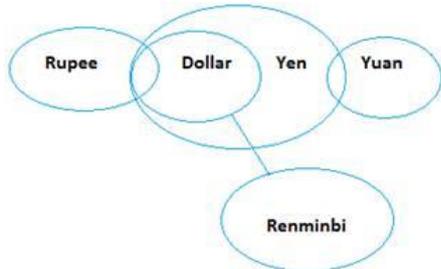
- 13. Ans. D.





Both Conclusion I and II does not follow from basic diagram.

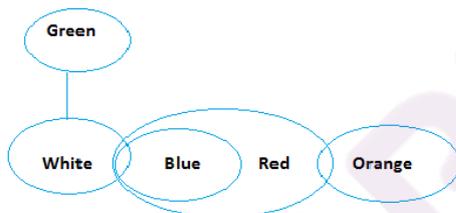
14. Ans. E.



I. All Yuan are Renbinbi is a possibility. We can draw Yuan overlapping with Yen within the Renbinbi. So, it is possible and holds true.

II. All Renbinbi are Rupee is a possibility.

15. Ans. D.



16. Ans. D.

Statements	Common Word	Common Code
1 and 2	Someone	BH
1 and 3	Tell	AL
1 and 4	Matter	PR
Only 1	They	MN
2 and 3	Door	KD
2 and 4	The	TS
Only 2	At	WC
3 and 4	Adjustment	CN
Only 3	Closer	UV
Only 4	To	EG

So, 'Adjustment' = 'CN'.

17. Ans. B.

Statements	Common Word	Common Code
1 and 2	Someone	BH
1 and 3	Tell	AL
1 and 4	Matter	PR
Only 1	They	MN
2 and 3	Door	KD
2 and 4	The	TS
Only 2	At	WC
3 and 4	Adjustment	CN
Only 3	Closer	UV
Only 4	To	EG

So, 'Close the matter' may be coded as = 'MS TS PR'.

18. Ans. D.

Statements	Common Word	Common Code
1 and 2	Someone	BH
1 and 3	Tell	AL
1 and 4	Matter	PR
Only 1	They	MN
2 and 3	Door	KD
2 and 4	The	TS
Only 2	At	WC
3 and 4	Adjustment	CN
Only 3	Closer	UV
Only 4	To	EG

Clearly, 'At' = 'WC'.

19. Ans. C.

Statements	Common Word	Common Code
1 and 2	Someone	BH
1 and 3	Tell	AL
1 and 4	Matter	PR
Only 1	They	MN
2 and 3	Door	KD
2 and 4	The	TS
Only 2	At	WC
3 and 4	Adjustment	CN
Only 3	Closer	UV
Only 4	To	EG

So, 'The closer' = 'TS UV'.

20. Ans. D.



Statements	Common Word	Common Code
1 and 2	Someone	BH
1 and 3	Tell	AL
1 and 4	Matter	PR
Only 1	They	MN
2 and 3	Door	KD
2 and 4	The	TS
Only 2	At	WC
3 and 4	Adjustment	CN
Only 3	Closer	UV
Only 4	To	EG

So, 'At to' = 'WC EG'.

21. Ans. D.

'members best interact together' is coded as 'my ff fn sp'

'discharge option best together' is coded as 'fn xf ky sp'

'members best discharge entry' is coded as 'xf fn ff ra'

'interact best staff information' is coded as 'hu my fn bv'

best = fn

members = ff

interact = my

discharge = xf

option = ky

staff/information = hu/bv

together = sp

entry = ra

Therefore, option D is the correct answer.

22. Ans. C.

'members best interact together' is coded as 'my ff fn sp'

'discharge option best together' is coded as 'fn xf ky sp'

'members best discharge entry' is coded as 'xf fn ff ra'

'interact best staff information' is coded as 'hu my fn bv'

best = fn

members = ff

interact = my

discharge = xf

option = ky

staff/information = hu/bv

together = sp

entry = ra

Therefore, option C is the answer.

23. Ans. C.

'members best interact together' is coded as 'my ff fn sp'

'discharge option best together' is coded as 'fn xf ky sp'

'members best discharge entry' is coded as 'xf fn ff ra'

'interact best staff information' is coded as 'hu my fn bv'

best = fn

members = ff

interact = my

discharge = xf

option = ky

staff/information = hu/bv

together = sp

entry = ra

Therefore, option C is the correct answer.

24. Ans. E.

'members best interact together' is coded as 'my ff fn sp'

'discharge option best together' is coded as 'fn xf ky sp'

'members best discharge entry' is coded as 'xf fn ff ra'

'interact best staff information' is coded as 'hu my fn bv'

best = fn

members = ff

interact = my

discharge = xf

option = ky

staff/information = hu/bv

together = sp

entry = ra

Therefore, option E is correct.

25. Ans. C.

'members best interact together' is coded as 'my ff fn sp'

'discharge option best together' is coded as 'fn xf ky sp'

'members best discharge entry' is coded as 'xf fn ff ra'

'interact best staff information' is coded as 'hu my fn bv'

best = fn

members = ff

interact = my

discharge = xf

option = ky

staff/information = hu/bv

together = sp

entry = ra

Therefore, option C is the correct answer.

26. Ans. A.



First of all, we need to find out the codes used for the different words used in the given question.

For example, if we want to find the code used for the word 'cricket', just look in to all the lines for the same word and search the common code in all the coded lines and mark it. As,

'Umesh was playing cricket' ⇒ 'po ki top ma',

'Ashish was playing tennis' ⇒ 'kop ja ki ma'

'those are playing volleyball' ⇒ 'ki nop sop ho'

'cricket and tennis' ⇒ 'po viz kop'.

Hence, we find the code used for the word 'cricket' is 'po'. Similarly, we can find the codes used for the different word in the given coded language. As,

Word	Code
cricket	po
playing	Ki
was	ma
tennis	kop
and	viz
Ashish	ja
Umesh	top

27. Ans. D.

First of all, we need to find out the codes used for the different words used in the given question.

For example, if we want to find the code used for the word 'cricket', just look in to all the lines for the same word and search the common code in all the coded lines and mark it. As,

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Word	Code
cricket	po
playing	Ki
was	ma
tennis	kop
and	viz
Ashish	ja
Umesh	top

28. Ans. C.

First of all, we need to find out the codes used for the different words used in the given question.

For example, if we want to find the code used for the word 'cricket', just look in to all the lines for the same word and search the common code in all the coded lines and mark it. As,

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playing	Ki
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Ashish	ja
Umesh	top

29. Ans. D.

First of all, we need to find out the codes used for the different words used in the given question.

For example, if we want to find the code used for the word 'cricket', just look in to all the lines for the same word and search the common code in all the coded lines and mark it. As,



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Hence, we find the code used for the word 'cricket' is 'po'. Similarly, we can find the codes used for the different word in the given coded language. As,

Word	Code
cricket	po
playing	Ki
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Ashish	ja
Umesh	top

Word	Code
cricket	po
playing	Ki
was	ma
tennis	kop
and	viz
Ashish	ja
Umesh	top

30. Ans. D.

First of all, we need to find out the codes used for the different words used in the given question.

For example, if we want to find the code used for the word 'cricket', just look in to all the lines for the same word and search the common code in all the coded lines and mark it. As,

'Umesh was playing cricket' ⇒ 'po ki top ma',

'Ashish was playing tennis' ⇒ 'kop ja ki ma'

'those are playing volleyball' ⇒ 'ki nop sop ho'

'cricket and tennis' ⇒ 'po viz kop'.

Hence, we find the code used for the word 'cricket' is 'po'. Similarly, we can find the codes used for the different word in the given coded language. As,



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