

Quiz Date: 15th November 2020

Directions (1-5): Study the following information carefully and answer the questions given below.

Seven subjects viz. Physics, Biology, Chemistry, Sanskrit, Hindi, English and Economics are taught at a coaching institute. Each subject was given a definite and continuous time slots. (i.e. there is no gap between the duration of two consecutive subjects). The total duration for the classes of all the subjects is 10hours 30minutes. The class can start either from a whole hour or from half an hour only (i.e. a class can start at either 4 pm or 4:30 pm but it cannot start at 4:13 pm and 4:03 pm).

Class of English takes place from 12 pm to 1 pm. Only one class took place between the classes of English and Economics. The duration for the class of Economics is twice as the duration for the class of English. Only one subject's class took place between the classes of Biology and Physics. Biology's class started at 4:30 pm. The duration for the classes of Physics and Sanskrit is same. The total duration for the classes of Hindi, Sanskrit and chemistry is 4:30 hrs. The duration for the class of Hindi is half an hour less than that of Sanskrit. Sanskrit class took place immediately before chemistry class. Number of classes took place between Hindi and English is same as between Biology and English. The duration for the class of Chemistry is 30 minutes more than the time duration of Biology class.

Q1. What is the time slot of Chemistry class?

- (a) 12 am-1pm
- (b) 10 am-12 pm
- (c) 2.30 pm-3.30 pm
- (d) 4.30 pm-6.00 pm
- (e) None of these

Q2. What is the sum of the time durations for the Physics and Hindi classes?

- (a) 2 hrs.
- (b) 2.30 hrs.
- (c) 3.30 hrs.
- (d) 3 hrs.
- (e) 4 hrs.

Q3. How many classes scheduled took between Sanskrit and Economics?

- (a) None
- (b) Two
- (c) Four
- (d) One
- (e) Three

Q4. Which of the following class takes place just after the Hindi class?

- (a) Sanskrit
- (b) Physics
- (c) English
- (d) Biology

(e) None of these

Q5. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- (a) Hindi-Sanskrit
- (b) English-Biology
- (c) Physics-Economics
- (d) English-Physics
- (e) Chemistry-English

Q6. **Statement-** Pakistan on Thursday alleged that Indian security forces are using "ammunition which contains chemical agents" in Jammu and Kashmir, reported Pakistani media.

Which of the following negates the above statement?

- (i) The report came from the local media channel which is known to be biased against Indian Army.
 - (ii) Dead bodies of Kashmiri youth were found in the debris of five houses with nose masks on their heads.
 - (iii) Indian Army is always known to use water cannon against the stone palters.
- (a) Only (i)
 - (b) Only (ii)
 - (c) Only (ii) and (iii)
 - (d) Only (iii)
 - (e) None of these

Q7. **Statement:-** India's foreign ministry has denied reports that China had "cancelled" a meeting between President Xi Jinping and Prime Minister Narendra Modi on the sidelines of the G20 summit in Hamburg.

Which of the following abrogates the above statement?

- (i) Spokesman Gopal Baglay told reporters that a meeting with Mr Xi had never been on Mr. Modi's agenda.
 - (ii) Last meeting between Mr. Xi and Mr. Modi was very fruitful to both countries.
 - (iii) Troops have been facing extreme temperatures along one stretch of India and China's shared border along the Himalayas.
- (a) Only (i)
 - (b) Only (ii)
 - (c) Only (ii) and (iii)
 - (d) Only (i) and (iii)
 - (e) None of these

Q8. **Statement-**The lynching of a police officer DSP Ayub Pandith outside the Jama Masjid in downtown Srinagar on Friday triggered widespread condemnation. Srinagar's Deputy Superintendent of Police (DSP) Ayyub Pandith was lynched by an irate mob after he allegedly opened fire at a group of people who caught him clicking pictures near a mosque in downtown area of Srinagar.

Which of the **course of action** should be followed?

(I) Police and security guards should run away after they found the mob too large to be handled.

(II) The authorities should restrict the movement of people in particular areas of the city as a precautionary measure.

(III) It should be announced to maintain law and order and some kind of action plan should be prepared to stop all these mis happenings.

- (a) Only II
- (b) Only III and I
- (c) Only II and III
- (d) Only I and II
- (e) None of the above

Directions (9-10): In each of the questions below are given some statements followed by some conclusions. 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.

Q9. Statements:

Only a few weeks are day.

Some day is not month.

All month is year.

Only a few holiday is weeks.

Conclusions:

I. Some weeks are not month.

II. All year can be day.

III. Some weeks are not holiday.

- (a) Both I and II
- (b) Both I and III
- (c) Both II and III
- (d) Only I
- (e) Only II

Q10. Statements:

Only argument is conclusion.

No statement is action.

Some statement is argument.

Only a few comments are action.

Conclusions:

I. Some comments are not statement

II. No conclusion is statement

III. All comments can be action

- (a) Both I and II
- (b) Both I and III
- (c) Both II and III
- (d) Only I

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(e) Only II

Directions (11-15): Study the following information carefully and answer the questions given below:

There is CD axis in such a way that C is to the west of D. There is XY axis in such a way that X is to the north of Y. CD axis intersect with XY axis at a point Q in such a way that CQ is 16m, QD is 19m, QX is 14m, QY is 20 m.

P1 starts walking along the CD axis towards D, starting from point C after walking 18m he takes a right turn and after walking a distance which is half of the distance between QY line he stops at point N. Point S is to the south of point L. P2 starts walking along the QX axis after walking 7m to the north from point Q he takes a right turn and walks for 2m and stops at point K. P3 takes a left turn from point X and after walking a distance which is greater than 16m he stops at point L. P4 starts walking along the QY line from a point towards Y to reach point A such that distance between point A and point Y is 1m less than CQ and then takes a right turn and after walking 32m he stops at point S.

Q11. What is the shortest distance between points Q and K?

- (a) $\sqrt{53}$ m
- (b) $\sqrt{55}$ m
- (c) $5\sqrt{13}$ m
- (d) 53m
- (e) None of these

Q12. What is the shortest distance between Point L and point S?

- (a) 18m
- (b) 22m
- (c) 19m
- (d) 17m
- (e) None of these

Q13. In which direction is point L with respect to P1's final position?

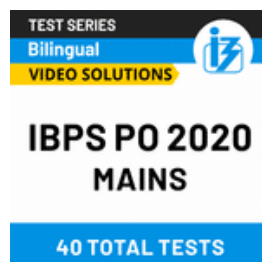
- (a) North east
- (b) South east
- (c) North
- (d) South
- (e) North west

Q14. Which of the following points are in a straight line?

- (a) K X Q
- (b) Q Y D
- (c) D Q C
- (d) S Y D
- (e) None of these

Q15. What is the total distance between points L and X and also determine in which direction is point X with respect to the point C?

- (a) 32, North west
 (b) 32m, North east
 (c) 32, South east
 (d) 35, South
 (e) None of these



Solutions

Solutions (1-5):

Sol.

Subjects	Time Slot
Hindi	7:30 am to 8:30am
Sanskrit	8:30 am to 10 am
Chemistry	10 am to 12 pm
English	12 pm to 1 pm
Physics	1 pm to 2:30 pm
Economics	2:30 pm to 4:30 pm
Biology	4:30 pm to 6:00 pm

S1. Ans. (b)

S2. Ans. (b)

S3. Ans. (e)

S4. Ans. (a)

S5. Ans. (b)

S6. Ans. (a)

Sol. In this question, we have to choose an option which negates the report which accuses Indian Army of using chemical weapons in the attack.

Statement (i) raises doubts over the media report and therefore negates the statement.

Statement (ii) substantiates the statements by giving further evidence to support the statement.

Statement (iii) is irrelevant as water cannons are not a chemical weapon.

S7. Ans. (e)

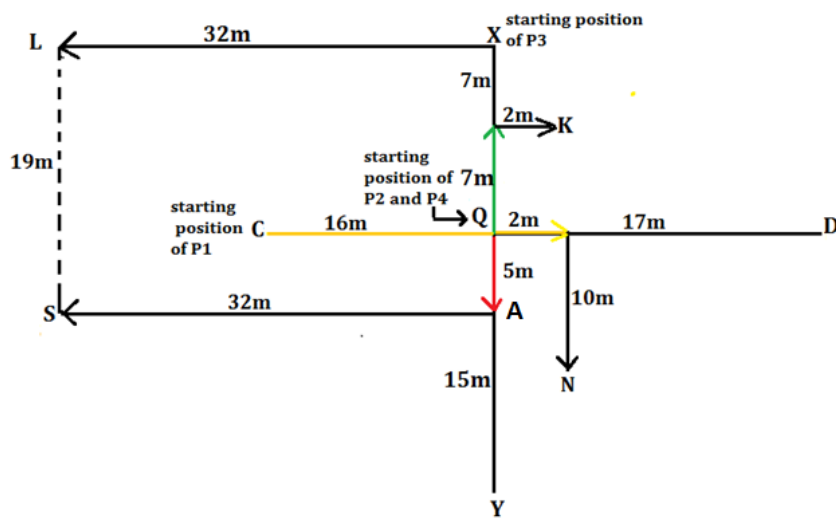
Sol. In this question, we have to choose an option which negates the given statement.

Statement (i) supports the statement as it says that there was no plan of such a meeting which rules out the possibility of it being cancelled.

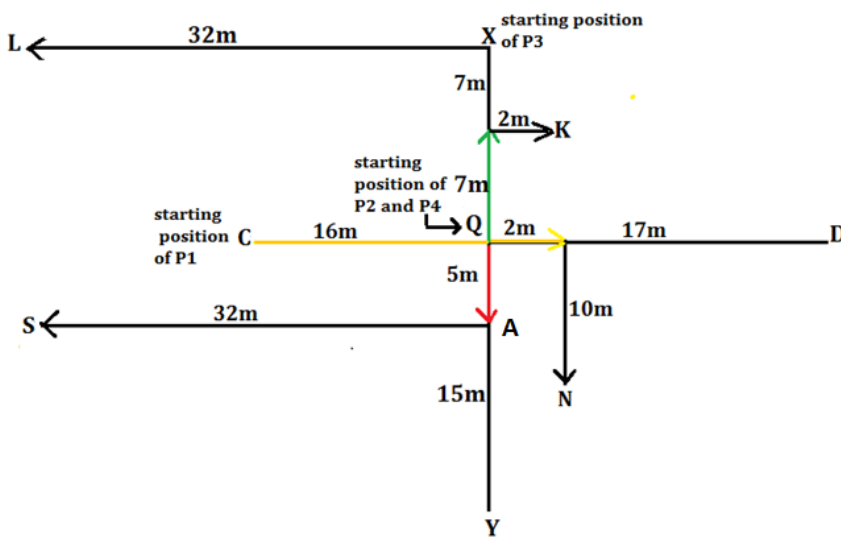
Statement (ii) is irrelevant to the question as it talks about the past.

Statement (iii) is also irrelevant to the question as troops deputed at the border areas facing extreme temperatures does not in any way affect the meeting.

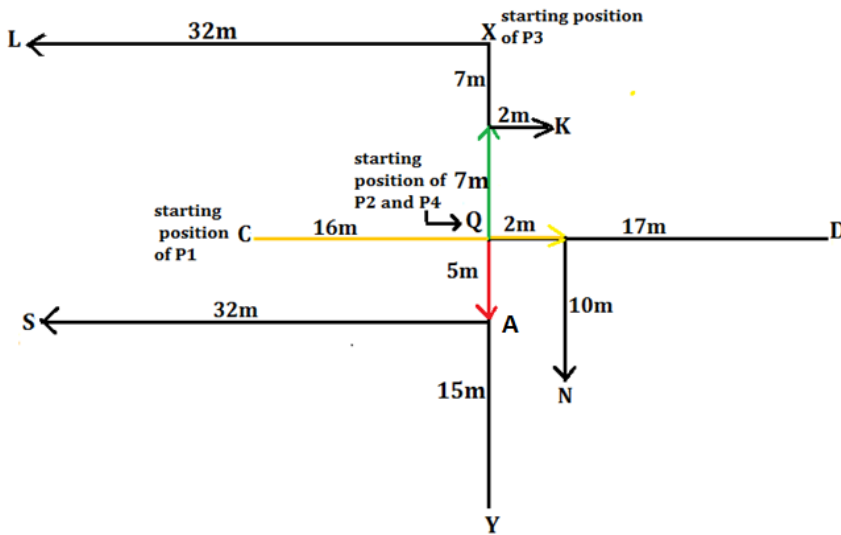
Sol.



Sol.

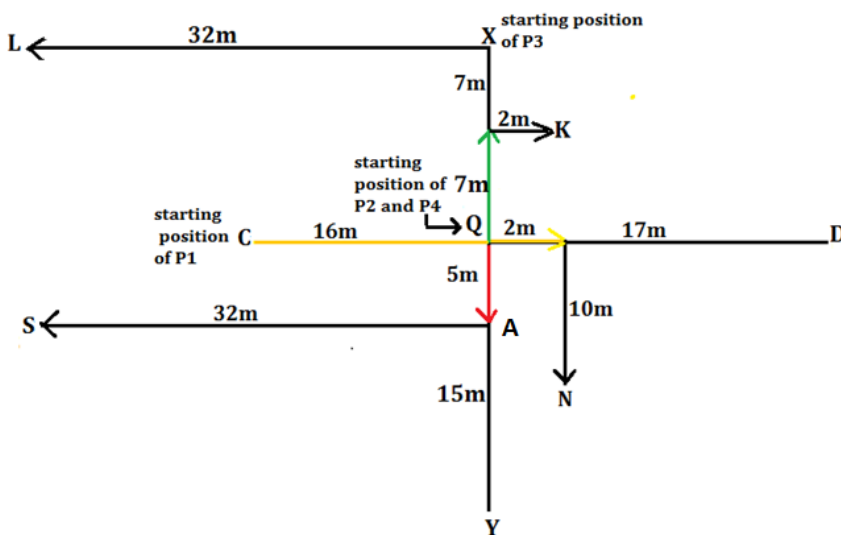


Sol.



S15. Ans.(b)

Sol.



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