

# Reasoning

## Analytical Reasoning

### Level-3

**Q1 Directions:** Study the questions based on the information given below.

**For a job in a company following conditions need to be fulfilled.**

The candidate's age must be in between 22 and 28 years as on 01.02.2017. The candidate should have got at least 70% marks in written examination and 40% marks in interview. The candidate must be a graduate and have a work experience of at least a year. If the candidate is a female, then age relaxation of 2 years will be given.

A candidate has applied for the job and satisfies the following conditions. Give the correct sequence in which it can be found that the candidate gets the job in minimum number of conditions.

- (i) Got 50% marks in interview.
- (ii) Got 60% marks in his graduation.
- (iii) Was born on 07.08.1990.
- (iv) After graduation, worked for 13 months in ABC company.
- (v) Got 78% marks in written test.
- (A) (iv), (i), (ii), (iii), (v)
- (B) (v), (i), (iii), (ii), (iv)
- (C) (iv), (v), (iii), (i), (ii)
- (D) (i), (v), (iv), (ii), (iii)
- (E) None of these

**Q2 Directions:** Study the questions based on the information given below.

**For a job in a company following conditions need to be fulfilled.**

The candidate's age must be in between 22 and 28 years as on 01.02.2017. The candidate should have got at least 70% marks in written examination and 40% marks in interview. The candidate must be a graduate and have a work experience of at least a year. If the candidate is a female, then age relaxation of 2 years will be given.

A candidate who has applied for job satisfies the following conditions:

- (i) The candidate got 52% marks in interview.
- (ii) The candidate has work experience of 15 months.
- (iii) The candidate was born on 22.12.1990.
- (iv) The candidate is a female.
- (v) The candidate got 72% marks in written test and 50% in graduation. Give the correct sequence in which it can be found that the candidate gets the job in minimum number of conditions.
- (A) (iv), (i), (ii), (iii), (v)
- (B) (v), (i), (iii), (ii), (iv)
- (C) (iv), (v), (iii), (i), (ii)
- (D) (i), (v), (iv), (ii), (iii)
- (E) None of these

**Q3 Directions:** In the question below, a situation is given, followed by five statements that throw more light on the context of the situation. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Carefully analyse the situation and choose the option that depicts



**the correct relationship between the statements and the situation.**

Parisians punch into work for an average of just a little over 1,600 hours annually while Indians clock in at 3,315 hours a year. French labour productivity is among the highest in the world while Indian labour productivity is emphatically not even close to the top performers in terms of labour productivity.

1. In India, enterprises are unable to invest in the machinery needed to boost labour productivity due to a lack of access to capital.

2. India's economy consists largely of small firms, a large segment of them in the unorganized sector which creates several hurdles to productivity and economic growth.

3. Indians might work more than their global peers - but the government must focus on enabling them to work better.

4. Slow labour productivity leads to financial and social instability as pointed out by noted economists across the world, as is seen in India.

5. Labour productivity is not necessarily proportional to the number of hours clocked in.

(A) 1 is the effect, 2 and 3 are the causes, 4 and 5 are Inferences.

(B) 2 and 3 are the effects, 4 is an inference, 5 is neutral,

(C) 1 and 2 are assumptions, 3, 4 and 5 are the effects of the given situation.

(D) 1 and 2 are the causes, 3 is course of action, 4 is an effect and 5 is an inference.

(E) None of these

**Q4 Study the following information carefully and then answer the questions given below it.**

For getting a job by a company, the candidate must fulfill the following criteria: Must have

worked with a company for at least 4 years. Must have got 60% in graduation. Must have cleared the written test and interview. Must be ready to sign a bond of 2 years with the company. The mean of percentage points in written test and interview must be at least 40%.

i) Sarita got 60% in written test and 30% in interview

ii) Sarita is ready to sign a bond of 2 years.

iii) Sarita is working with ABC company for the last 5 years.

iv) Sarita got 72% in BCom

Sarita fulfills the above given criteria, then from which of the following points it can be concluded that she is not selected for the job?

(A) Only (i)

(B) Only (ii) and (iii)

(C) Only (iv)

(D) Only (iii)

(E) From none of (i), (ii), (iii) and (iv)

**Q5 Directions: Read the following information carefully and then answer the questions given below it.**

For getting a job by a company, the candidate must fulfill the following criteria: Must have worked with a company for at least 4 years. Must have got 60% in graduation. Must have cleared the written test and interview. Must be ready to sign a bond of 2 years with the company. The mean of percentage points in written test and interview must be at least 40%.

**Manish has worked with a company for 4 years. He got 70% marks in BTech. He got 46% as mean of percentage points in written test and interview.**

(A) He provided an No Objection Certificate from his previous employer.

(B)



He signed a bond of 2 years with his previous employer.

(C) He was born on 02.06.1992.

(D) He completed Btech degree in Computer Stream.

(E) He is ready to sign a bond of 2 years with this new company.

**Q6 Directions: Read the information carefully and answer the question that follows.**

A coaching institute has come up with a full money-back guarantee scheme, under which, the entire tuition fees of a student will be refunded if the student fails to qualify the examination which he/she has enrolled for. Deepak, after failing to qualify an examination, asked for the refund from the coaching institute, which the latter denied.

A 'Yes' to which of the following questions will undermine Deepak's claim of full refund of fees from coaching institute?

A. Did Deepak fail to qualify SBI PO examination, while he enrolled for SBI Clerk examination in the coaching institute?

B. Did the coaching institute agree to refund the tuition fees, which is a part of the total course fees of the curriculum?

C. Did Deepak ask for refund of his entire fees, even though, he qualified the examination till the interview stage?

D. Did the coaching institute has other conditions, too, for the refund policy apart from non-qualification of the examination in which a student is enrolled for?

(A) Only B and D

(B) Only A and C

(C) Only A and D

(D) Only A, B and C

(E) All of A, B, C and D

**Q7 Directions: Study the following information carefully and answer the questions given below:**

The Following are the conditions for the requirement of a person as Manager in a company. The candidate must –

(i) be a graduate in any discipline with at least 55% marks.

(ii) be a post graduate in Management with specialization in Finance with at least 65% marks.

(iii) have work experience of at least 4 years in finance department.

(iv) be at least 26 years and not more than 36 years as on 01-12-2016. In the case of candidate who fulfills all conditions except –

(a) at (ii) above, but has secured at least 60% marks in post graduate in Management with specialization in Finance and at least 70% marks in graduation, his case to be referred as DGM.

(b) at (iii) above, but has work experience of at least 2 years as Assistant Finance Manager, his case to be referred as GM.

In each question below, details of a candidate are provided followed by a question and 5 courses of action. The decision will be made only on the information provided.

Medha has been working as Assistant Finance Manager in an organization for the past 3 years. Which condition/s below will lead to her selecting as the GM. (i) She was born on 5th April 1992 (ii) She was born on 4th November 1990 (iii) She secured 69% marks in post-graduation and 74% marks in graduation.

(A) Either (i) or (ii) and (iii)

(B) Only (iii)

(C) Both (ii) and (iii)



- (D) Both (i) and (iii)  
(E) None of these

**Q8 Directions: Study the following information carefully and answer the questions given below:**

The Following are the conditions for the requirement of a person as Manager in a company. The candidate must –

- (i) be a graduate in any discipline with at least 55% marks.
- (ii) be a post graduate in Management with specialization in Finance with at least 65% marks.
- (iii) have work experience of at least 4 years in finance department.
- (iv) be at least 26 years and not more than 36 years as on 01-12-2016. In the case of candidate who fulfills all conditions except –
  - (a) at (ii) above, but has secured at least 60% marks in post graduate in Management with specialization in Finance and at least 70% marks in graduation, his case to be referred as DGM.
  - (b) at (iii) above, but has work experience of at least 2 years as Assistant Finance Manager, his case to be referred as GM.

In each question below, details of a candidate are provided followed by a question and 5 courses of action. The decision will be made only on the information provided.

Sita was born on 26th July 1989. She has been working in the finance department of an organization. Which condition/s below will lead to her selecting as the DGM.

- (i) She secured 66% marks in post-graduation and 57% marks in graduation.
  - (ii) She worked in finance department for 5 years.
  - (iii) She secured 63% marks in post-graduation and 74% marks in graduation.
- (A) Both (i) and (ii)

- (B) Only (iii)  
(C) Only (i)  
(D) Only (ii) and (iii)  
(E) None of these

**Q9 Directions: Study the following information carefully and answer the questions given below:**

The Following are the conditions for the requirement of a person as Manager in a company. The candidate must –

- (i) be a graduate in any discipline with at least 55% marks.
- (ii) be a post graduate in Management with specialization in Finance with at least 65% marks.
- (iii) have work experience of at least 4 years in finance department.
- (iv) be at least 26 years and not more than 36 years as on 01-12-2016. In the case of candidate who fulfills all conditions except –
  - (a) at (ii) above, but has secured at least 60% marks in post graduate in Management with specialization in Finance and at least 70% marks in graduation, his case to be referred as DGM.
  - (b) at (iii) above, but has work experience of at least 2 years as Assistant Finance Manager, his case to be referred as GM.

In each question below, details of a candidate are provided followed by a question and 5 courses of action. The decision will be made only on the information provided.

Aman was born on 19th March 1986. He has been working in finance department of an organization for the past 5 years. He has secured 67% marks in B.Com and 75% marks in his post-graduation. Which of the following will be a course of action if Aman applies?

- (A) Aman will be selected.  
(B)



Data provided are inadequate to take the decision

- (C) Aman will not be selected.
- (D) Aman will be offered as DGM post
- (E) Aman will be offered as GM post.

**Q10 Directions:** Read the following information carefully and answer the question given beside.

As the director of the store, which of the following will be a valid reason to fire Mr. Z?

- I. Mr. Z does not have a marketing degree.
  - II. Mr. Z does not have any prior experience in sales and marketing.
  - III. Mr. Z rarely promotes the products to the people who visit the store.
- (A) All of I, II and III
  - (B) Only III
  - (C) Both I and II
  - (D) Both II and III
  - (E) None of I, II, and III

**Q11 Directions:** Read the following passage and find out the inferences stated through the passage.

**Statement:** Instead of using traditional fossil fuels, modern techniques use biomass to make a biofuel. They can be used as sources of renewable energy.

A significant part in reducing CO<sub>2</sub> emissions. Crop leftovers could be converted to biofuel, but our farmers need the right support and incentives.

**Which of the following conclusions follows logically from the previous statement?**

- (1) Eco-friendly biofuels are being produced in other nations.
- (2) This is a good illustration of recycling because waste may be turned into something useful.
- (3) Compared to traditional fossil fuels, biofuels have a high calorific value.

(4) The government hasn't done much in the past to help farmers.

(5) None to all of these.

- (A) Only 4 follows
- (B) Either 1 and 2 or 3 and 4
- (C) Only conclusion 2 follows
- (D) Both 1 and 3 follows
- (E) None of these

**Q12 A situation/passage is given below. Read the passage/situation carefully and answer the questions that follow.**

Recently, I've noticed something strange about what my body does while I'm flicking through apps or reading on my phone. I've become conscious of my irregular breathing patterns, and how much tension I'm holding in my back and shoulders. The technologist Linda Stone has noted something similar, describing the way her breath becomes shallow, and sometimes temporarily stops altogether, when she sits down to work on her emails in the morning. She terms the problem 'screen apnea'.

Which of the following can be inferred from the passage?

- (A) There is a positive correlation between tension held up in the back and shoulders and irregular breathing patterns.
- (B) People are usually unaware of their body altogether while browsing through apps or reading on their phones.
- (C) Screen apnea is now a standard vocabulary used by medical professionals.
- (D) Technology can hijack the mind
- (E) None of these

**Q13 Directions:** Study the following information carefully and answer the questions accordingly.



The magnetic North Pole, it turns out, is shifting eastwards at an unprecedented pace. About 15 years ago, this would have made little difference to the daily lives of people and even Google Maps relies largely on satellite imaging, which is mostly unaffected by this shift. But now, in addition to its implications for industries and sectors that rely on the magnetic north — airports, defense, drilling — it will affect smartphones as well. Most contemporary phones have three magnetic sensors that tell the direction the user is facing. This feature could be compromised with the pole shifting, and people would be, quite literally, direction-less. They will thus have to ask other people for directions. But learning to navigate by memory, and, more importantly, asking for directions may not be a terrible development. In fact, in India, it is a necessary skill. The spate of frequent internet shutdowns means that Google is of erratic help across cities in India.

If the statements in the given passage are true, then which of the following would also be true?

- I. The political maps of the world will have to be redrawn to reflect the new position of the North Pole.
- II. Smartphone sales will reduce drastically.
- III. People will stop relying on their smartphones and instead ask other people for directions.
- IV. Weather patterns across the world will change dramatically because of the shifting of the North Pole.

- (A) Only I
- (B) Both II and III
- (C) Only III
- (D) Both III and IV
- (E) None of the above

Q14

**Directions:** Study the following information carefully and answer the questions accordingly.

The magnetic North Pole, it turns out, is shifting eastwards at an unprecedented pace. About 15 years ago, this would have made little difference to the daily lives of people and even Google Maps relies largely on satellite imaging, which is mostly unaffected by this shift. But now, in addition to its implications for industries and sectors that rely on the magnetic north — airports, defense, drilling — it will affect smartphones as well. Most contemporary phones have three magnetic sensors that tell the direction the user is facing. This feature could be compromised with the pole shifting, and people would be, quite literally, direction-less. They will thus have to ask other people for directions. But learning to navigate by memory, and, more importantly, asking for directions may not be a terrible development. In fact, in India, it is a necessary skill. The spate of frequent internet shutdowns means that Google is of erratic help across cities in India.

The given passage implies that the shifting of poles will affect common people's lives as the use of smartphones has become a necessity. Which of the following assumptions is/are true?

- I. People have almost lost the habit of asking others for directions.
  - II. Everyone is relying on Google Maps nowadays. They have lost the natural instinct of remembering the directions.
  - III. All Indians have smartphones and Google Maps installed on their phones.
- (A) Only I
  - (B) Only II
  - (C) Both I and II
  - (D) Neither I nor II





(E) Only III

**Q15 Study the following information carefully and answer the questions accordingly.**

The magnetic North Pole, it turns out, is shifting eastwards at an unprecedented pace. About 15 years ago, this would have made little difference to the daily lives of people and even Google Maps relies largely on satellite imaging, which is mostly unaffected by this shift. But now, in addition to its implications for industries and sectors that rely on the magnetic north — airports, defense, drilling — it will affect smartphones as well. Most contemporary phones have three magnetic sensors that tell the direction the user is facing. This feature could be compromised with the pole shifting, and people would be, quite literally, direction-less. They will thus have to ask other people for directions. But learning to navigate by memory, and, more importantly, asking for directions may not be a terrible development. In fact, in India, it is a necessary skill. The spate of frequent internet shutdowns means that Google is of erratic help across cities in India.

Which of the following best represents the main point of the given passage?

- I. Smartphones rely on magnetic sensors to tell the user which direction they are facing.
- II. The shifting of the North Pole may not be a bad thing, since asking for directions is an important skill in India.
- III. Internet shutdowns are very frequent in India.
- IV. The shifting of the North Pole will not affect Google Maps too much.

(A) Only III

(B) Only II

(C) Only I

(D) Both III and IV

(E) None of the above

**Q16 Study the following information carefully and answer the questions accordingly.**

The magnetic North Pole, it turns out, is shifting eastwards at an unprecedented pace. About 15 years ago, this would have made little difference to the daily lives of people and even Google Maps relies largely on satellite imaging, which is mostly unaffected by this shift. But now, in addition to its implications for industries and sectors that rely on the magnetic north — airports, defence, drilling — it will affect smartphones as well. Most contemporary phones have three magnetic sensors that tell the direction the user is facing. This feature could be compromised with the pole shifting, and people would be, quite literally, directionless. They will thus have to ask other people for directions.

But learning to navigate by memory, and, more importantly, asking for directions may not be a terrible development. In fact, in India, it is a necessary skill. The spate of frequent internet shutdowns means that Google is of erratic help across cities in India.

Which of the following, if true, most weakens the author's arguments in the given passage?

- I. The drilling industry does not rely on the magnetic North Pole.
- II. People in India are very familiar with the streets close to their home.
- III. Road signs in India are very badly made and are of no help.
- IV. Smartphones rely on satellite imaging rather than magnetic sensors to tell the user which direction they are facing.

(A) Either II or III



(B) Both I and II  
(C) Only IV

(D) Only II  
(E) Only I



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## Answer Key

Q1 (C)

Q2 (C)

Q3 (D)

Q4 (E)

Q5 (E)

Q6 (D)

Q7 (C)

Q8 (D)

Q9 (B)

Q10 (B)

Q11 (C)

Q12 (D)

Q13 (C)

Q14 (C)

Q15 (B)

Q16 (C)



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## Hints & Solutions

### Q1 Text Solution:

(ii) point is extra as marks of graduation are not required to fulfill the criteria for selection. Only graduation is required, which is given in point (iv). So the option in which (ii) is at last is the answer.

### Q2 Text Solution:

From (iii), the candidate whether female or male will definitely get job with other conditions satisfying. So there is no need to go to condition (iv) to know whether the candidate is male or female. So sequence having (iv) at last will be the correct sequence

### Q3 Text Solution:

Clearly, statements 1 and 2 are the causes of the given situation: 1 talks about lack of access to capital being the reason for India's low labour productivity and 2 talks about unorganised sectors presence in large numbers creating hindrances to productivity. Statement 3 is the course of action which the government should take to ensure better productivity for Indian workforce. Statement 4 is an effect of the given premise as it says that slow labour productivity in India has led to financial and social instability. Statement 5 is clearly an inference: despite clocking far lesser number of hours than India, French labour productivity is among the highest in the world, from which we can conclude that labour productivity is not necessarily proportional to the number of hours clocked in..

### Q4 Text Solution:

Sarita got 60% in written test and 30% in interview so mean of percentage points =

$(60+30)/2 = 45\%$  So all given criteria are necessary.

### Q5 Text Solution:

The condition which must be fulfilled to get the job – He is ready to sign a bond of 2 years with this new company.

### Q6 Text Solution:

A, B, C, if answered in 'yes' would undermine Deepak's claim of full refund of fees from the coaching Institute. D, however, talks about involvement of other conditions too, for money-back guarantee scheme, which, even if considered true (if answered in 'yes') doesn't say anything about Deepak not adhering to such conditions. Hence, (d) is the right answer.

### Q7 Text Solution:

She was born on 5th April 1992 – makes her 24 in age

### Q8 Text Solution:

sita was born on 26th July 1989- Satisfies (ii) point She worked in finance department for 5 years- Satisfies (iii) point She secured 63% marks in post-graduation and 74% marks in graduation. – Satisfies DGM point

### Q9 Text Solution:

All condition specify for Aman can be selected as manager. But it is not known that he has done his post-graduation in which stream. So data inadequate.

### Q10 Text Solution:



Only III can be a valid reason. That would show Mr. Z's incompetency and insufficiency in doing his job well. (I) and (II) are invalid as Mr. Z has been working in this store for a few years and hence, garnered some experience. So, (b) is correct.

**Q11 Text Solution:**

The sentence defines biofuels and describes how they are produced. Discusses a situation where crop waste can be transformed into biofuel, a situation for which our farmers require help.

We cannot draw any conclusions about other countries from the information provided. As a result, inference 1 cannot be drawn.

However, we can infer from the phrase that this is a case of recycling, when rejected garbage is transformed into valuable material. Thus, the second inference is drawn.

There is no comparison of the energy released by fossil fuels and biofuels, thus no conclusions can be drawn about the 28 calorific figure. Inference 3 does not follow as a result.

The claim makes no mention of the government's initiatives or strategies. Consequently, conclusion 4 does not follow, Only Conclusion 2 follows.

**Q12 Text Solution:**

(a)- the second sentence of the passage talks about the author gaining consciousness about two activities (breathing pattern and tension around back and shoulders), but the information isn't sufficient enough to infer a correlation between the two. (b)- it's a generic statement and therefore, can't be said to be inferred. (c)- its veracity can't be established as nothing about the term being used in medical circles has been talked about in the passage. (d)- the unawareness of the author towards his/her breathing pattern and tension in his/her back and

shoulders surely indicate the fact that technology (flicking through apps or reading on phone) can take over our consciousness of self (mind). Hence, (d) is the right answer.

**Q13 Text Solution:**

1. The correct answer is C. – people will stop relying on their smartphones and instead ask other people for directions. Since smartphones will no longer be able to tell users which direction they are facing, people will have to ask other people for directions. There is no information in the passage to support any of the other options as the correct answer.

**Q14 Text Solution:**

1. Only I and II follow. The habit of using smartphones for directions has been a necessity nowadays. Human beings are the slave of habits. Instead of relying on other people, people having smartphones rely on Google Maps. If the pole shifts, they might get affected.

**Q15 Text Solution:**

1. The correct answer is B. – the shifting of the North Pole may not be a bad thing, since asking for directions is an important skill in India. This is apparent from the author's arguments in the second paragraph. While the statements in the other options may be true, they are used in support of the main conclusion, and are not the main conclusion themselves.

**Q16 Text Solution:**

The correct answer is D. – smartphones rely on satellite imaging rather than magnetic sensors to



tell the user which direction they are facing. If this were true, then, since we are told satellite imaging is unaffected by the shifting of the magnetic North Pole, the ability of smartphones to tell the user which direction they are facing would also remain unaffected, and this would defeat the author's argument in the passage above that people would have to rely on asking

other people for directions. Option C. supports the author's argument, and so cannot be the correct answer. Option A. is irrelevant to the author's argument, and so cannot be the correct answer. Even if option B. is true, people may of course travel away from their homes, and will still need directions; thus, this cannot be the correct answer either.

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