

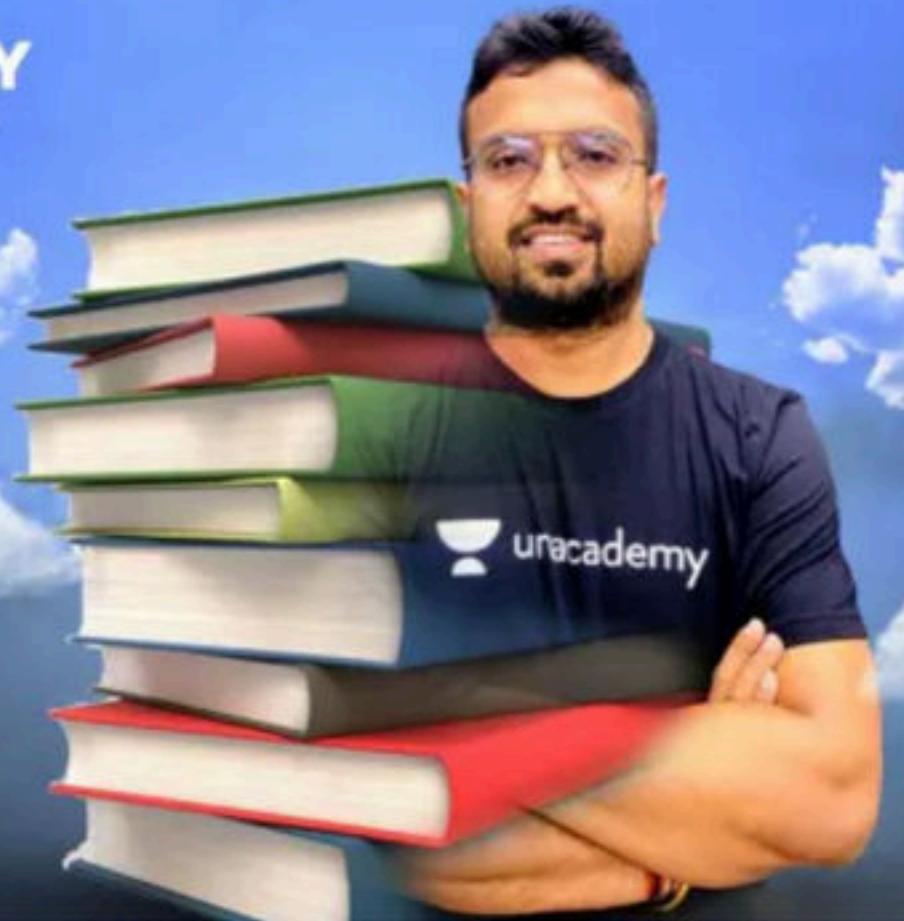


# Verbal Reasoning - I

Complete Course on General Aptitude for GATE 2023/2024

Saurabh Thakur • Lesson 12 • Oct 29, 2022

UNACADEMY  
PLUS CLASS



**COMPLETE  
COURSE ON**  
**General Aptitude for**  
**GATE 2023/ 24**

**USE CODE ST26**  
— Saurabh Sir —

**26M+**



**WATCH  
MINUTE**

**12+**

**YEARS  
TEACHING  
EXPERIENCE**

SUBSCRIPTION

**CODE: ST26**

**SAURABH THAKUR**  
**IIM ROHTAK**



unacademy





# LOGICAL CONNECTIVES



Each question below consists of a main statement followed by four numbered statements. From the numbered statements, select the one that logically follows the main statement



01

---



If movie is superhit, then I watch it.

- (A) I watched a movie means it is a superhit.
- (B) The movie is superhit, hence I do not watch it.
- (C) I did not watch a movie, though it was superhit.
- (D) I did not watch a movie implies that the movie was not superhit.



02



Whenever it is cold, I wear a jacket.

- (A) It is cold implies I am wearing a jacket.
- (B) I did not wear a jacket implies it was not cold.
- (C) It is cold but I did not wear the jacket.
- (D) Both (1) and (2)



03

---



Either Shaheen cooks or Salim brings the food parcel.

- (A) Shaheen cooks means salim will not bring the food parcel.
- (B) Salim did not bring the food parcel hence Shaheen cooked.
- (C) Shaheen is cooking hence Salim has brought the food parcel
- (D) Salim did not bring food parcel implies that Shaheen did not cook.



04

---



Only if Raj does not come, then Geetika will come to the party.

- (A) Raj came hence Geetika will also come to the party.
- (B) Geetika will not come to the party hence Raj will come.
- (C) Geetika has come to the party means Raj is not coming.
- (D) Both (1) and (3)

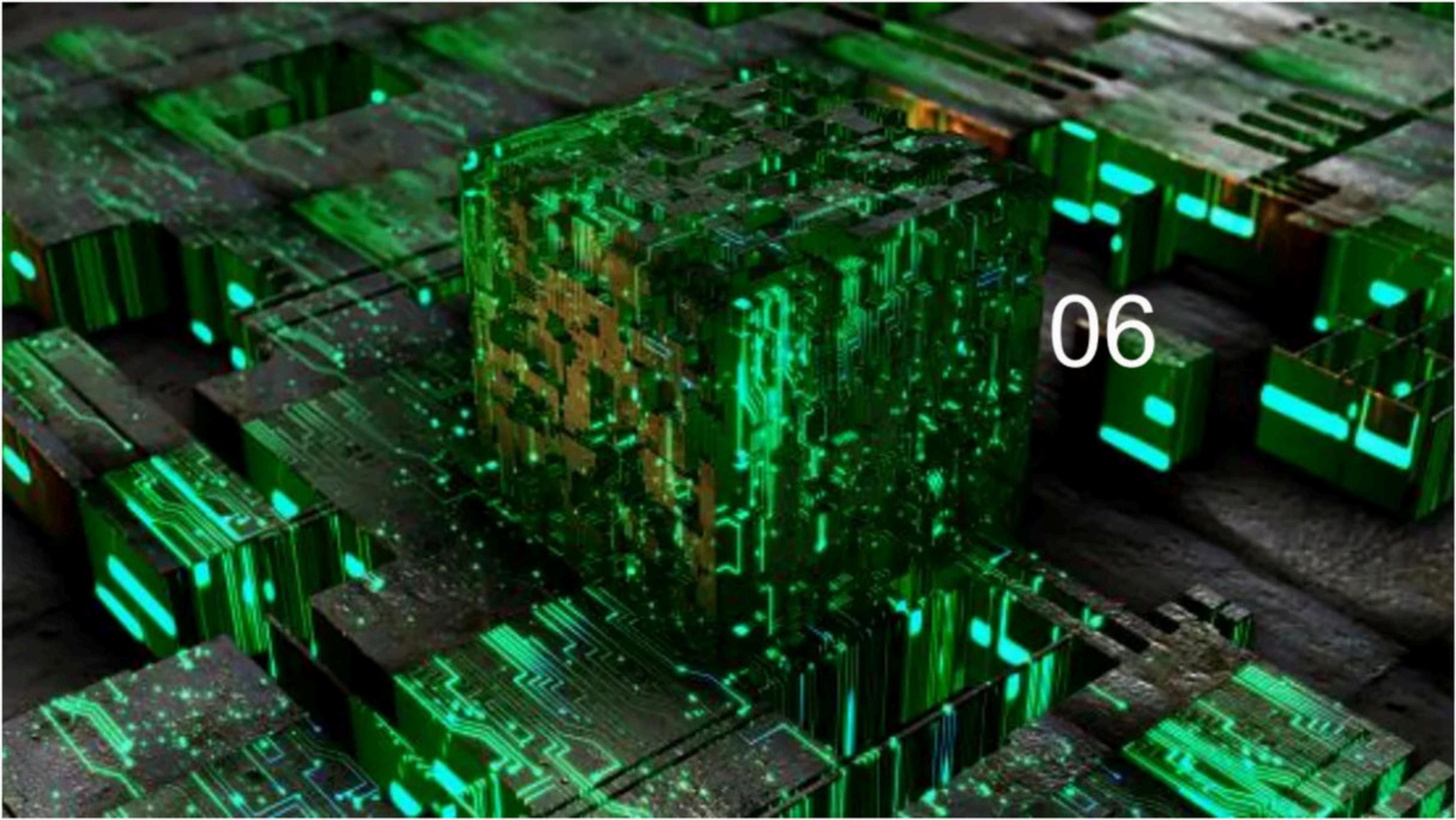


05



Unless I have money, I cannot enjoy my weekend.

- (A) I have money, so I can enjoy my weekend.
- (B) I can enjoy my weekend means I have money
- (C) I do not have money but I can enjoy my weekend
- (D) None



06



If I can swim, then I can clear the exam.

- (A) I can swim hence I can clear the exam.
- (B) I cannot clear the exam implies I cannot swim.
- (C) I can swim hence I cannot clear the exam.
- (D) Both (1) and (2)

A close-up photograph of three young green plants growing from dark brown soil. The plants have thin, light green stems and small, broad leaves. Each leaf has a single, large, clear water droplet resting on it. The background is a soft-focus green.

07



India will talk, only if the terrorists are handed over.

- (A) The terrorists are handed over, hence India will talk
- (B) India will not talk implies that the terrorists have not been handed over.
- (C) India will talk though the terrorists are not handed over.
- (D) India will talk implies the terrorists are handed over.

A wide-angle photograph of a coastal scene at sunset. The sky is filled with horizontal clouds, transitioning from deep blue to vibrant orange and yellow near the horizon. The ocean is a bright turquoise color, with white-capped waves crashing against the rocky shore in the foreground. In the middle ground, two prominent rock formations stand in the water. A small boat is visible near the right one. The overall atmosphere is serene and beautiful.

08



Whenever there is demand, there will be supply

- (A) There is supply hence there is demand.
- (B) There is demand, hence there will be supply.
- (C) There is no supply, implies that there is no demand.
- (D) Both (1) and (2)



09

Suhasita purchases either a cooler or a refrigerator.

- (A) Suhasita is not purchasing a cooler implies she is purchasing a refrigerator.
- (B) Suhasita is not purchasing a refrigerator implies she is purchasing a cooler
- (C) Suhasita is purchasing a refrigerator implies she will not purchase a cooler.
- (D) Both (1) and (2)



10



I will not have enemies, unless I fight.

- (A) I fight implies I will have enemies.
- (B) I do not have enemies, if I do not fight.
- (C) I do not fight implies I will not have enemies.
- (D) Both (3) and (4)



In each question, there is a main statement followed by four statements A, B, C and D. From the choices, choose the pair in which the first statement implies the second statement and the two are logically consistent with the main statement.

A wide-angle photograph of a coastal landscape at night. The foreground is dominated by dark, rugged rock formations jutting out into the ocean. The middle ground shows the calm sea under a dark blue sky. The upper portion of the image is filled with a dense field of stars, with a prominent, brightly lit spiral galaxy or star cluster visible on the right side, casting a warm glow onto the clouds below.

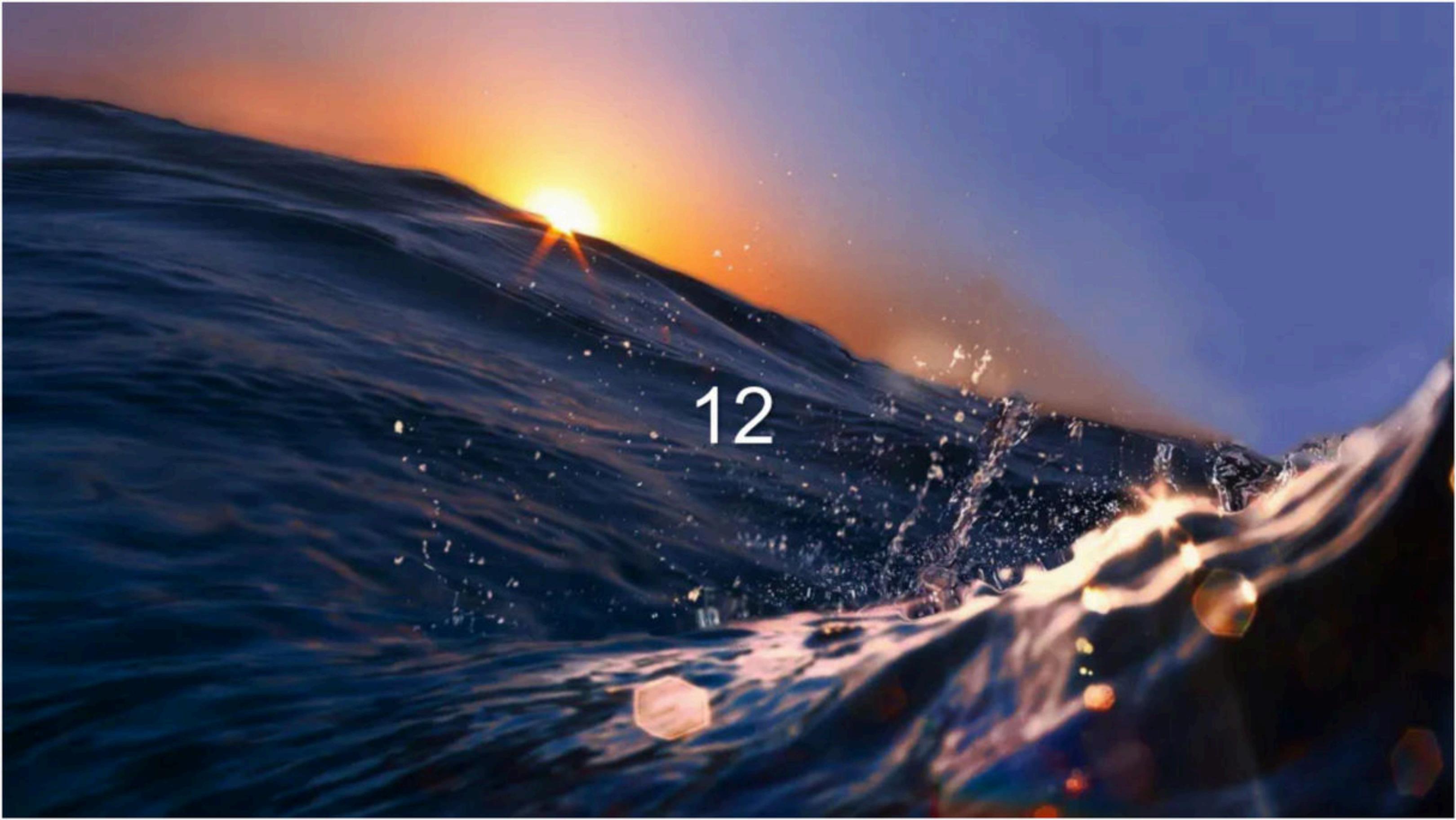
11



Teachers can teach, only if students are well mannered.

- (a) Teachers can teach.
- (b) Students are not well mannered.
- (c) Teachers cannot teach.
- (d) Students are well mannered.

- (A) AB
- (B) BC
- (C) DA
- (D) CD



12



Prajakta is healthy, whenever she is happy.

- (a) Prajakta is not happy
  - (b) Prajakta is happy.
  - (c) Prajakta is healthy.
  - (d) Prajakta is not healthy.
- 
- (A) CB
  - (B) BC
  - (C) DA
  - (D) BC and DA

A composite image featuring the Matterhorn mountain in the foreground and middle ground. The sky above is filled with numerous stars, creating a vibrant purple and blue glow. A large, semi-transparent circular inset is positioned on the right side of the image, showing a close-up view of the dark, rugged terrain of the mountain's slopes.

13



Rohit is suffering either from malaria or from typhoid.

- (a) Rohit is not suffering from typhoid.
- (b) Rohit is suffering from malaria.
- (c) Rohit is not suffering from malaria.
- (d) Rohit is suffering from typhoid.

(A) AB

(C) BC

(B) AC

(D) DC



14

---

Manjula works, unless she is married.

- (a) Manjula is not married
- (b) Manjula is married
- (c) Manjula works
- (d) Manjula does not work.

(A) CA

(C) BD and AC

(B) BD

(D) AC and DB



15



If tea is sweet, then Samarth cannot drink it.

- (a) Samarth can drink tea.
  - (b) Tea is not sweet.
  - (c) Samarth cannot drink tea.
  - (d) Tea is sweet.
- 
- (A) CB
  - (B) AB
  - (C) AB and BC
  - (D) AB and DC



16



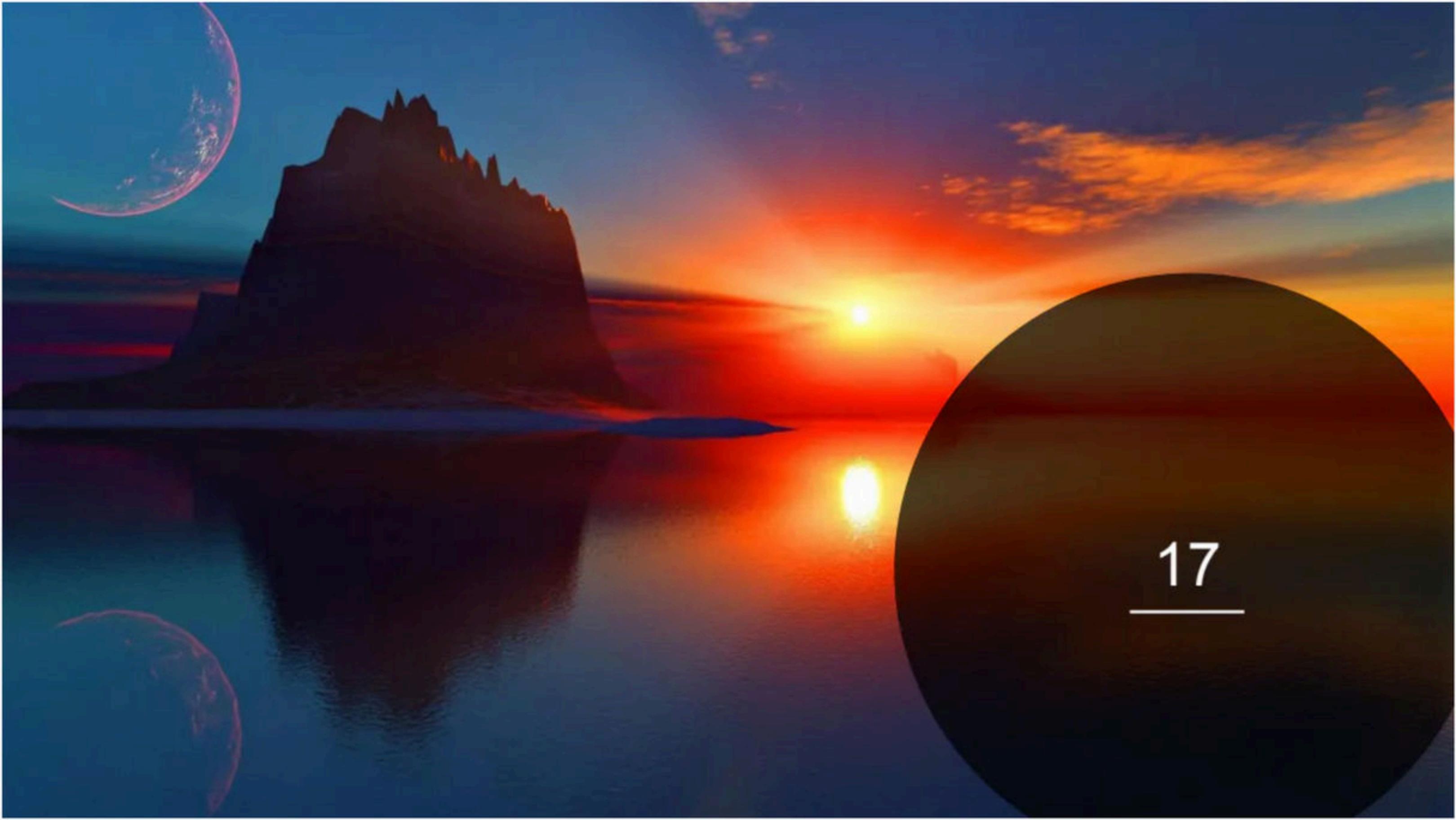
Nisha will do an MBA only if she gets admission into a good college.

- (a) Nisha will not do MBA.
  - (b) Nisha got admission into a good college.
  - (c) Nisha did not get admission into a good college.
  - (d) Nisha will do MBA.
- 
- (A) BD
  - (B) DB
  - (C) AC
  - (D) CD



## Directions for Questions 17 to 26

Each question below consists of a main statement followed by four numbered statements. From the numbered statements, select the one that logically follows the main statement.



17



If Ankita eats pastry, then it is a black forest or a pineapple.

- (A) Ankita eats pastry but it is not a pineapple, means it is a black forest.
- (B) Ankita eats pastry but it is not a black forest, means it is a pineapple.
- (C) The pastry is neither a pineapple nor a black forest, means Ankita does not eat the pastry.
- (D) All the above.



18



If you want to stay fit, then you must eat nutritious food and exercise.

- (A) You did not eat nutritious food, hence you cannot stay fit.
- (B) You did not exercise, implies you cannot stay fit
- (C) You ate nutritious food and exercised implies you have stayed fit
- (D) Both (1) and (2)





Yaseem plays cricket, only if he wears blue or white.

- (A) Yaseem plays cricket, implies he wears blue and white
- (B) Yaseem plays cricket but he does not wear blue hence he wears white.
- (C) Yaseem wears neither blue nor white implies he may play cricket.
- (D) None of these.

A landscape photograph of a starry night sky. The upper half of the image is filled with a dense field of stars of various brightness. A prominent, curved band of light, characteristic of the Milky Way, stretches across the center. In the lower portion of the image, a dark silhouette of land or mountains is visible against a bright, glowing horizon. The sky is a deep, dark blue-black.

20



Sunil cannot meet his friends or his family, unless he has a job.

- (A) Sunil met his friend and his family implies he has a job
- (B) Sunil does not have a job and cannot meet his family hence he cannot meet his friends.
- (C) Sunil does not have a job but he met his family implies he cannot meet his friends.
- (D) Both (1) and (3)



21



Only if there is a sale, I will buy clothes or cosmetics.

- (A) I have bought clothes and cosmetics means there is a sale.
- (B) I have bought cosmetics hence there is a sale.
- (C) I have bought clothes hence there is a sale.
- (D) All the above

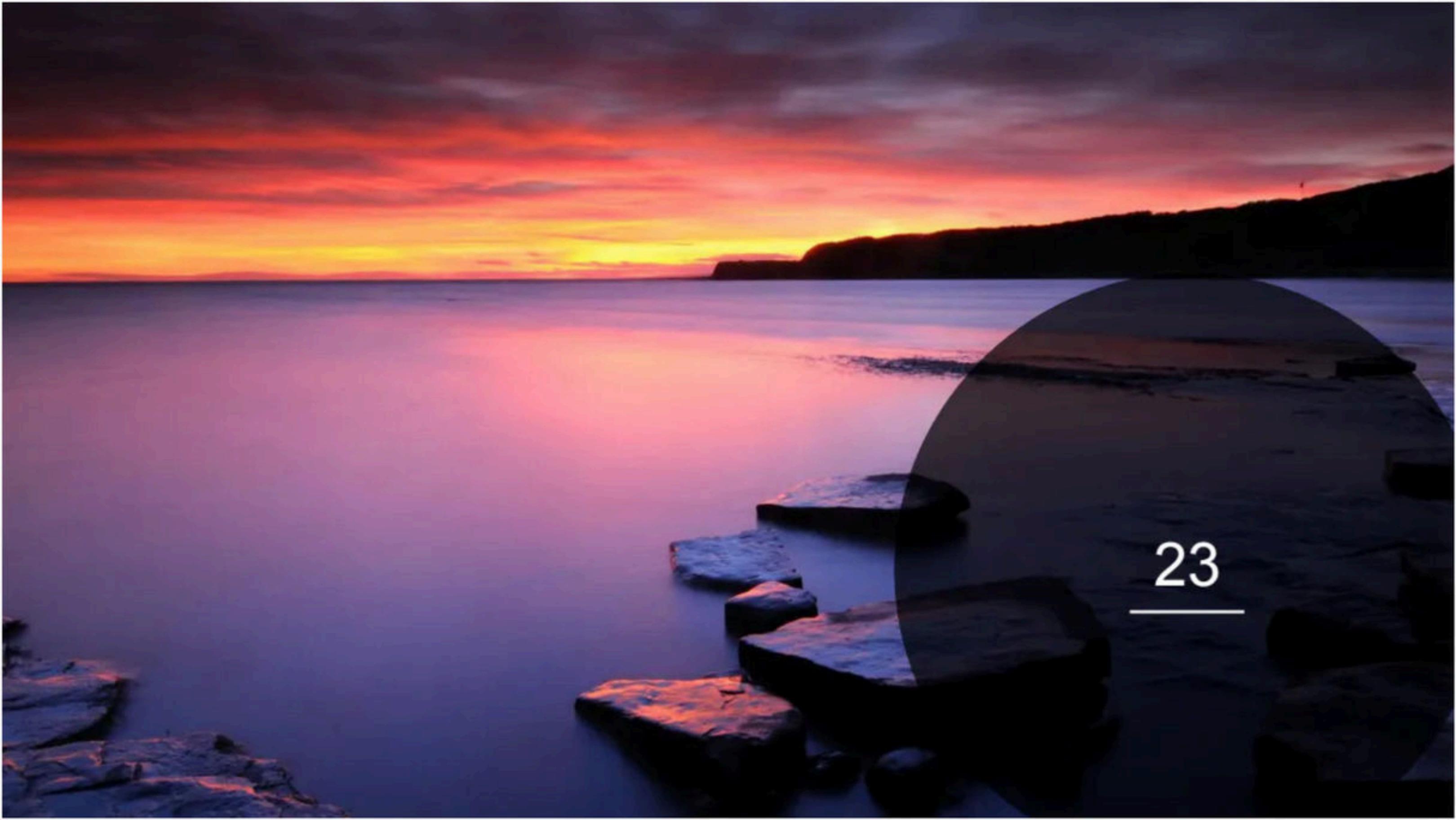
A wide-angle photograph of a night sky over a mountainous landscape. The sky is filled with stars, with a prominent, very bright star visible in the upper left quadrant. A small, thin white streak or object is also visible near the bottom left of the star. The mountains in the foreground and middle ground are dark and silhouetted against the sky, with some snow or light-colored patches on their peaks. In the far distance, lights from a town or city are visible at the base of the mountains.

22



Unless you take medicines, you will not recover, and will not be able to walk.

- (A) You recovered means you have taken medicines.
- (B) You are not able to walk means you have not taken medicines.
- (C) You have not taken medicines hence you will not recover but you will be able to walk.
- (D) You have taken medicines, hence you will recover.

A wide-angle photograph of a coastal scene at sunset. The sky is filled with horizontal bands of orange, yellow, and pink, transitioning into darker blues and purples. In the foreground, dark, jagged rocks are silhouetted against the vibrant sky. A small, low-lying island or peninsula is visible in the distance across the calm water.

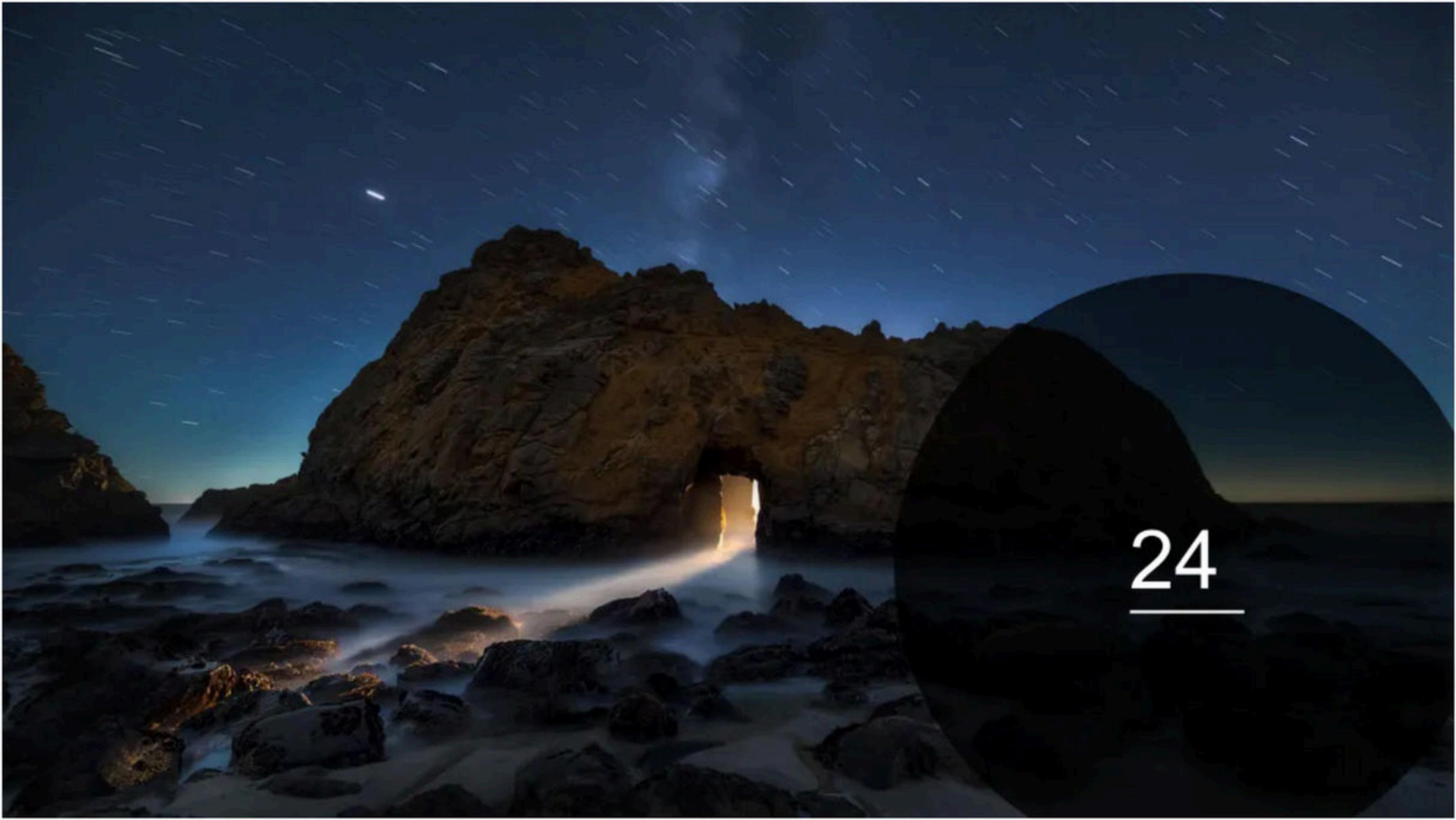
23

---



If Ganshyam goes to U.S.A, his mother or his brother will accompany him.

- (A) Ganshyam is going to U.S.A. but his brother is not accompanying him implies his mother will accompany him.
- (B) Neither Ganshyam's mother nor his brother is accompanying him means Ganshyam is not going to U.S.A.
- (C) Ghanshyam is not going to U.S.A., hence neither his mother nor his brother are accompanying him.
- (D) Both (1) and (2)



24

---



Whenever Preeti watches T.V., then she watches movies and sports.

- (A) Preeti is not watching sports implies she is watching T.V.
- (B) Preeti is not watching movies implies she is not watching T.V.
- (C) Preeti is neither watching movies nor sports hence she must be watching something else on T.V.
- (D) Both (1) and (2)



25

---



Sagar will marry Sheela, only if she is a graduate and a good cook.

- (A) Sheela is a good cook but not a graduate hence Sagar will not marry Sheela.
- (B) Sagar will marry Sheela since she is a good cook though she is not a graduate.
- (C) Sheela is a graduate and a good cook implies Sagar will marry Sheela.
- (D) (1), (3) and (4)



# SYLLOGISM



In each question a set of six statements is given, followed by four answer choices. Each of the answer choices has a combination of three statements from the given set of six statements. You are required to identify the answer choice in which the statements are logically related.

01



- A. All green is blue
  - B. All green is white
  - C. All green is black
  - D. All black is white
  - E. All blue is yellow
  - F. All blue is white
- 
- (A) ABF
  - (B) AEF
  - (C) CDB
  - (D) CBE





02

- A. Some communists are socialists
- B. All socialists are Leninists
- C. Some socialists are Leninists
- D. Marxists are not capitalists
- E. All leninists are communists
- F. All communists are socialists

(A) CEA  
(C) ABE

(B) CEF  
(D) BEF

03





Read the statements :

All women are entrepreneurs.

Some women are doctors

Which of the following conclusions can be logically inferred from the above statements?

- (A) All women are doctors
- (B) All doctors are entrepreneurs
- (C) All entrepreneurs are women
- (D) Some entrepreneurs are doctors

[GATE 2014 : IIT Kharagpur (ME Set - 1, EC Set - 1)]

# 04





Given below are two statements followed by two conclusions.  
Assuming these statements to be true, decide which one logically follows.

Statements : I. All film stars are playback singers. II.  
All film directors are film stars

Conclusions :

- I. All film directors are playback singers.
- II. Some film stars are film directors.

- (A) Only conclusion I follows
- (B) Only conclusion II follows
- (C) Neither conclusion I nor II follows
- (D) Both conclusions I and II follow

[GATE 2015 : IIT Kanpur (EC Set - 2, ME Set 1)]



A girl is swinging on a swing at sunset, looking up at a sky filled with falling stars and a large ring.

05



Given below are two statements followed by two conclusions. Assuming these statements to be true, decide which one logically follows.

Statements : I. All film stars are playback singers. II.  
All film directors are film stars

Conclusions :

- I. All film directors are playback singers.
- II. Some film stars are film directors.

- (A) Only conclusion I follows
- (B) Only conclusion II follows
- (C) Neither conclusion I nor II follows
- (D) Both conclusions I and II follow

[GATE 2015 : IIT Kanpur (EC Set - 2, ME Set 1)]

06





Given below are two statements followed by two conclusions. Assuming these statements to be true, decide which one logically follows.

Statements : I. No manager is a leader.

II. All leaders are executives.

Conclusions : I. No manager is an executive

II. No executive is a manager.

(A) Only conclusion I follows.

(B) Only conclusion II follows.

(C) Neither conclusion I nor II follows.

(D) Both conclusions I and II follow.

[GATE 2015 : IIT Kanpur (ME Set - 3, IN)]

07



All hill-stations have a lake. Ooty has two lakes.

Which of the statement(s) below is/are logically valid and can be inferred from the above sentences?

- (i) Ooty is not a hill-station.
- (ii) No hill-station can have more than one lake.

- (A) (i) only
- (B) (ii) only
- (C) both (i) and (ii)
- (D) neither (i) nor (ii)

[GATE 2016 : IISc Bangalore (EE Set - 1, CSE Set - 2)]



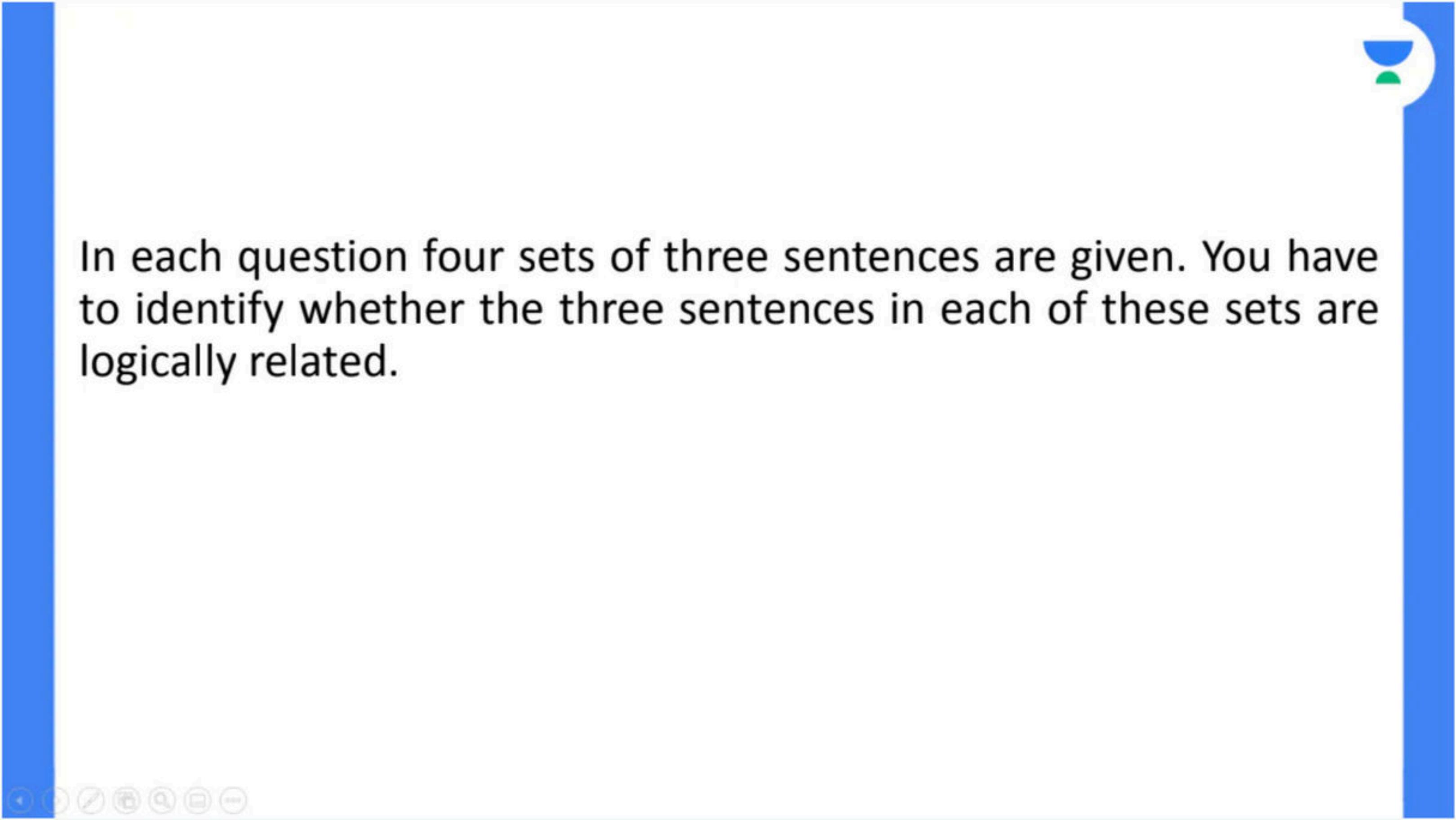
08



Some tables are shelves. Some shelves are chairs. All chairs are benches.  
Which of the following conclusions can be deduced from the preceding sentences?

- (i) At least one bench is a table
  - (ii) At least one shelf is a bench
  - (iii) At least one chair is a table
  - (iv) All benches are chairs
- 
- (A) Only (i)
  - (B) Only (ii)
  - (C) Only (ii) and (iii)
  - (D) Only (iv)

[GATE 2017 : IIT Roorkee (EC,BT,PI Set - 1)]



In each question four sets of three sentences are given. You have to identify whether the three sentences in each of these sets are logically related.

09



- A. All plant are moon. All moon are starts. All starts are plants.
- B. All men are thinkers. All poets are thinkers. All men write poetry.
- C. Orange is a seasonal fruit. Guava is a seasonal fruit. Orange are guavas.
- D. All tubes are handles. All cups are handles. Some cups may be tubes.

- (A) D
- (B) A and B
- (C) C and B
- (D) B



A photograph of a person standing in a dark, open landscape at night. The person is positioned in the lower center, facing away from the viewer towards a bright, circular light source on the horizon. The sky above is filled with numerous stars of varying brightness. In the background, there are low hills or mountains. The foreground is dark and appears to be a grassy field.

10



All benches are beds. No bed is a bulb. Some bulbs are lamps.  
Which of the following can be inferred?

- (i) Some beds are lamps.
  - (ii) Some lamps are beds.
- 
- (A) Only i
  - (B) Only ii
  - (C) Both i and ii
  - (D) Neither i nor ii

**[GATE 2017 : IIT Roorkee (CE, CH, Set - 1)]**





Consider the following three statements

- (i) Some roses are red.
- (ii) All red flowers fade quickly.
- (iii) Some roses quickly fade quickly.

Which of the following statements can be logically inferred from the above statements?

- (A) If (i) true & (ii) false, then (ii) false
- (B) If (i) true & (ii) false, then (iii) true
- (C) If (i) & (ii) are true, then (iii) true
- (D) If (i) & (ii) false, then (iii) false

[GATE 2018 : IIT Guwahati (CE Set – 2)]

A close-up photograph of a person's hands writing in a small, open notebook with a yellow pen. The person is wearing a blue long-sleeved shirt. To the right of the notebook, a black electronic device with a grid of buttons, possibly a calculator or a small computer, sits on a dark surface. The background is blurred.

12



Fact : If it rains, then the field is wet.

Read the following statements :

- (i) It rains
- (ii) The field is not wet
- (iii) The field is wet
- (iv) It did not rain

Which one of the options given below is NOT logically possible based on the given fact?

- (A) If (iii), then (iv)
- (B) If (i), then (iii)
- (C) If (i), then (ii)
- (D) If (ii), then (iv)

[GATE 2016 : IISc Bangalore (ME Set - 2)]



13



An award-winning study by a group of researchers suggests that men are as prone to buying on impulse as women but women feel more guilty about shopping. Which one of the following statements can be inferred from the given text?

- (A) All men and women indulge in buying on impulse.
- (B) Some men and women indulge in buying on impulse.
- (C) Few men and women indulge in buying on impulse
- (D) Many men and women indulge in buying on impulse

[GATE 2019 : IIT Madras]



# CRITICAL REASONING

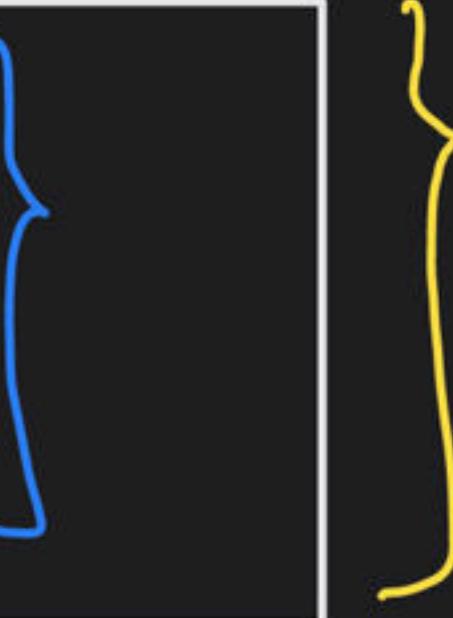
4. Mise.  
1's Optim.  
Deletey Sentence

~~Q~~\*  CID.  
Conclusion → Deduction.  
↳  90%  
Inference

5. Weakens.  
Undumpln.  
Undercut.

S \*  
Strengthener  
Bolster  
~~U~~ Undumpln.

Geometry



50 words

↳ A blue rectangular box containing a question mark.



A photograph of two silhouetted figures on a rocky cliff against a vibrant, star-filled sky. One figure stands holding a telescope, while the other sits nearby. A large, dark circular shape, resembling a planet or moon, is visible on the right side of the frame.

01

JK01 | Reading  
① Premise (P<sub>1</sub>)

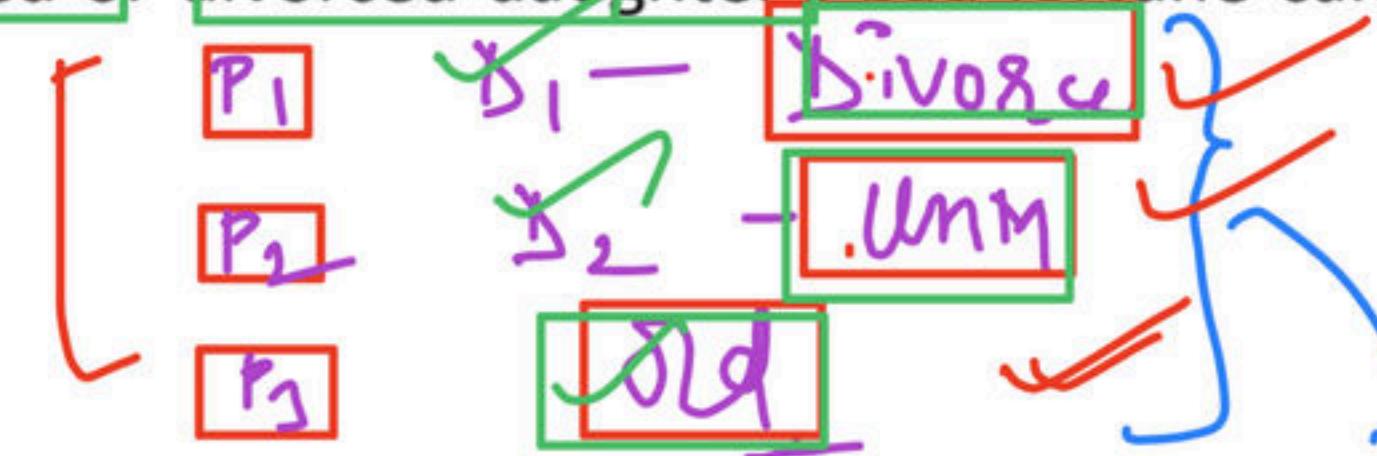
## Conclusion

According to Rakesh, Mr Sharma is in deep trouble. His elder daughter, returned home after a painful divorce. Unfortunately, his second daughter, of age 30 is still unmarried. Mr Sharma is getting old. He is already 65.

③ The assumption in Rakesh's conclusion is

②

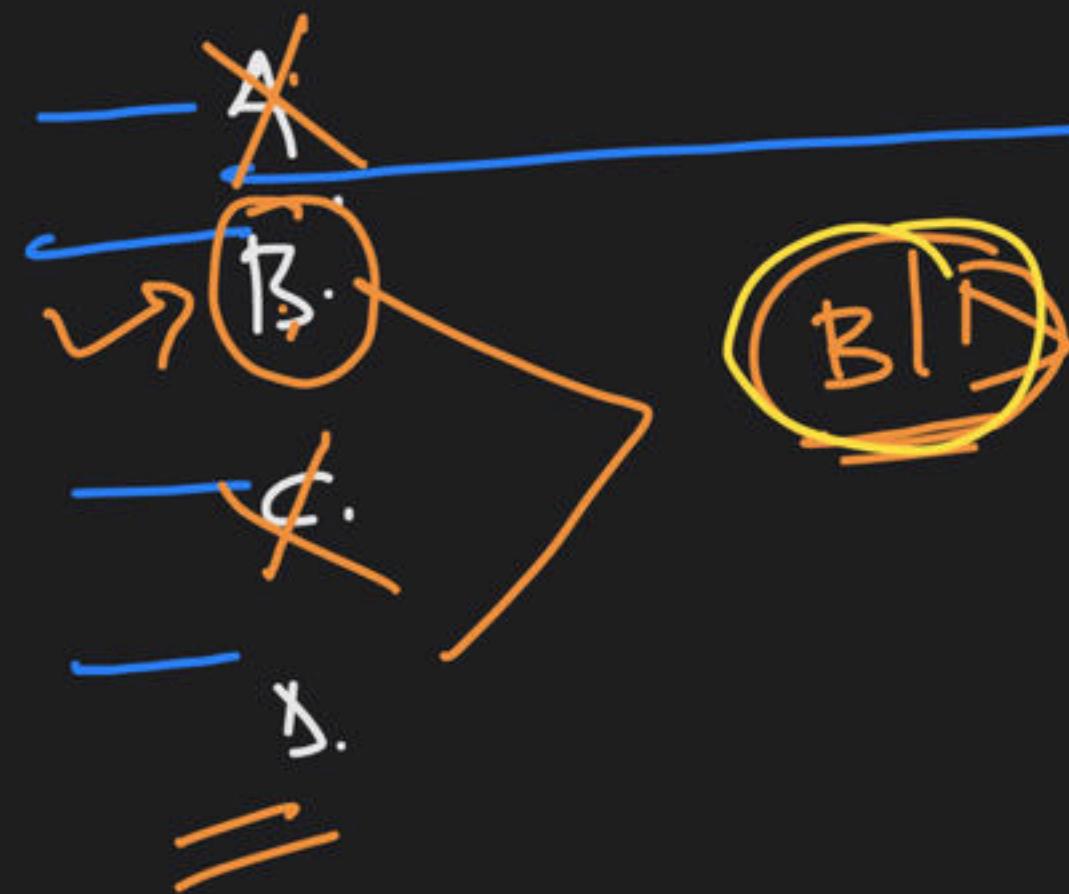
- (A) Mr. Sharma is not fit to work now.
- (B) Mr. Sharma will pass away soon, as he is getting old.
- (C) Unmarried daughters are dangerous for their parents.
- (D) Unmarried or divorced daughter's bad fortune can pose problems for their elderly father.



Mr. Sharma - Deep Trouble

MIG | LR | DJ

Verbal



Elimination Mode

↳ Euphemism.



02

---

An eight-year old Saudi Arabian girl who was married off by her father to a 58-year-old man has been told she cannot divorce her husband until she reaches puberty. Lawyer Abdu Jtili said the divorce petition was filed by the unnamed girl's divorced mother in August after the marriage contract was signed by her father and the groom. "The judge has dismissed the plea because she [the mother] does not have the right to file, and ordered that the plea should be filed by the girl herself

when she reaches puberty," lawyer Abdullah Jtili told the AFP news agency.

It can be inferred from the above paragraph that

- (A) Judges are cruel in Saudi Arabia.
- (B) The eight-year old girl is considered legally married.
- (C) In Saudi Arabia, women cannot file for a divorce.
- (D) Girls below puberty do not have marital rights in Saudi Arabia.





03

---



Indians have a bad habit of spitting in public places. Most of the walls in Government Buildings have turned red or become very dirty thanks to the constant spitting by betel-chewing Indians. But Jankidas, the manager of the public works department in Jhandewalan has come out with a novel idea. He has installed religious signs or painted religious pictures on the walls in the corridors leading to his department. He is sure that no Indian would spit on the corridor walls leading to his department.

It has been assumed by Jankidas that

- (A) The corridors leading to his department are dirty.
- (B) Indians fear the wrath of the Gods.
- (C) Indians do not eat betel near religious pictures.
- (D) Indians have regard for religion.



04

---



Jnana and Bhakti are two commonly adopted spiritual paths by spiritually inclined people. The Jnani considers Bhakti to be only a means to Moksha. Bhakti leads to purification of the mind. The purified mind becomes fit to listen to Jnana which in due course of time results in Moksha. The Bhakta on the other hand is not interested in Moksha. He feels that Bhakti is the means and also the goal.

It can be inferred from the above paragraph that

- (A) Jnanis and Bhaktas have an inherent dislike for each other.
- (B) Jnanis and Bhaktas both strive for a pure mind.
- (C) The Bhakta is idle most of the time as his means and goal are the same.
- (D) None of the above.



05



Computers were invented for performing only high-end useful computations. However, it is no understatement that they have taken over our world today. The internet, for example, is ubiquitous. Many believe that the internet itself is an unintended consequence of the original invention. With the advent of mobile computing on our phones, a whole new dimension is now enabled. One is left wondering if all these developments are good or, more importantly, required.

Which of the statement(s) below is/are logically valid and can be inferred from the above paragraph?

- (i) The author believes that computers are not good for us.
  - (ii) Mobile computers and the internet are both intended inventions
- 
- (A) (i) only
  - (B) (ii) only
  - (C) both (i) and (ii)
  - (D) neither (i) nor (ii)

[GATE 2016 : IISc Bangalore (EE Set - 1, CSE Set - 2)]

A photograph of a person's hand reaching upwards towards a bright sun setting over a body of water. The sky is a gradient from blue to orange. The hand is in sharp focus, while the background is blurred.

06



Nuendo is a studio software which is used by most of the recordists in San Hose, America. It allows one to record 25 tracks simultaneously. It is faster as compared to 'cubase' – the software which was used by the recordists earlier. Hence, nuendo should be used by recordists in India also.

The conclusion above would be strengthened if it was true that

- (A) Indians prefer 'cubase' as it does not demand high system requirements.
- (B) Lot of time is wasted in Indian studios due to inefficient software
- (C) Indian recordists record a maximum of 10 tracks at a time.
- (D) None of the Indian recordists have traveled to San Hose.

A silhouette photograph of a person standing outdoors at sunset or sunrise. The person is facing right, looking towards a range of mountains. To their left is a tall, thin signpost with two large, black, arrowheads pointing in opposite directions. The background is a warm, orange and yellow sky over rolling hills.

07 —

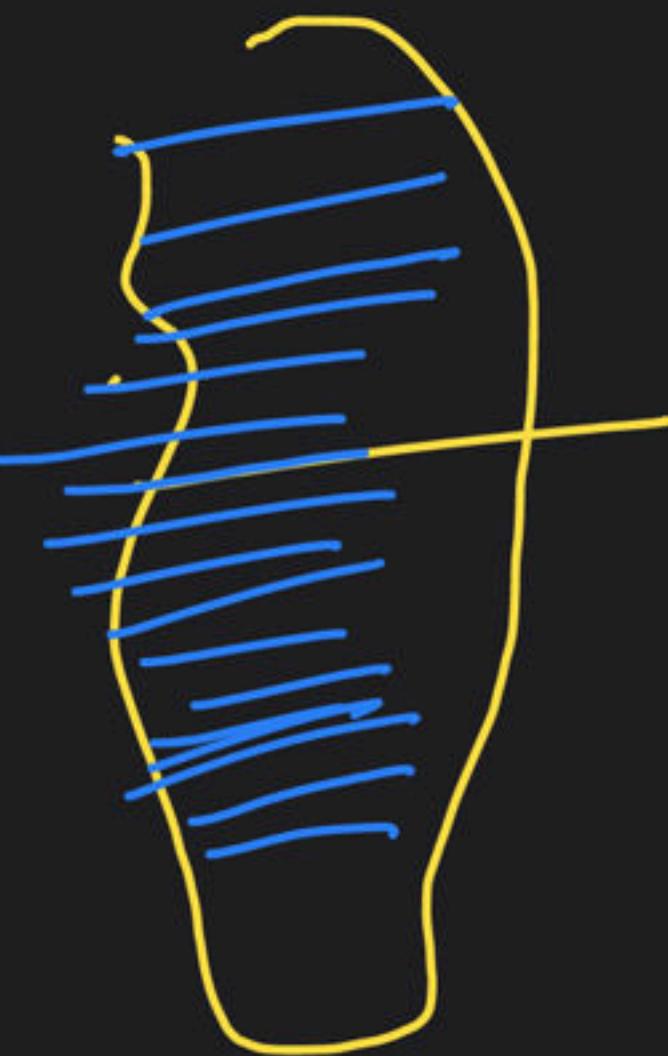


Geneticists say that are very close to confirming the genetic roots of psychiatric illnesses such as depression and schizophrenia, and consequently, that doctors will be able to eradicate these diseases through early identification and gene therapy.

On which of the following assumptions does the statement above rely?

- (A) Strategies are now available for eliminating psychiatric illness.
- (B) Certain psychiatric illness have a genetic basis.
- (C) All human disease can be traced back to genes and how they are expressed.
- (D) In the future, genetics will become the only relevant field for identifying psychiatric illness.

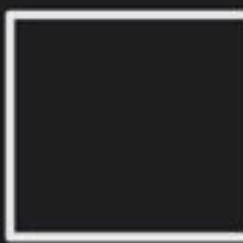
[GATE 2014 : IIT Kharagpur (EE, Set – 1, CSE Set - 1)]



NOTES

TEST

PP.



GA



08



In Philosophy, there are no solved problems, there are only unsolved problems. Once a philosophical problem gets solved, then it goes outside philosophy to become either a part of some established knowledge system or becomes an independent discipline. The Philosopher's job ends when a problem is settled, and then there is no more philosophy in it.

A suitable conclusion from the above paragraph would be

- (A) Philosophy can exist only when a problem is unsolved.
- (B) Problems exist only in philosophy.
- (C) Philosophers are generally jobless and indifferent to the world of problems.
- (D) There are innumerable problems to be solved in this world.



09



Ann Trason, Scott Jurek, Matt Carpenter. These are the megastars of ultra-distance running, athletes who pound out not just marathons, but dozens of them back-to-back, over Rocky Mountain passes and across the scorching floor of Death Valley. If their names are unfamiliar, it's probably because this type of extreme running is almost universally seen as a fringe sport, the habit of the superhumanly fit, the masochistic, the slightly deranged.

Which of the following can be inferred from the above statement?

- (A) The ultra-marathoners are using their bodies for endurance running.
- (B) Being able to run for extended lengths of time is an adapted trait.
- (C) Extreme running is not for the normal run-of-the mill sportsperson.
- (D) Extreme sports people remain unknown because of the stress involved.

10





Wanted Temporary, Part-time persons for the post of Field Interviewer to conduct personal interviews to collect and collate economic data. Requirements: High School-pass, must be available for Day, Evening and Saturday work. Transportation paid, expenses reimbursed.

C 1 D

Which one of the following is the best inference from the above advertisement?

- (A) Gender-discriminatory
- (B) Xenophobic
- (C) Not designed to make the post attractive
- (D) Not gender-discriminatory

[GATE 2012 : IIT Delhi (EE, CSE, ME, CE)]

A wide-angle photograph of a coastal landscape at night. The foreground is dominated by dark, rugged rock formations jutting out into the ocean. The middle ground shows the calm sea under a dark blue sky. The upper portion of the image is filled with a dense field of stars, with a prominent, brightly lit spiral galaxy or star cluster visible on the right side, casting a warm glow onto the clouds below.

11



Consumers are using their mobile phones to download tens of millions of games, songs, ring tones and video programs. And they shell out money for these items, even as they resist paying for similar digital goodies online using their computers. It is a curious equation: pay for stuff on a tiny, low-resolution screen while getting some of the very same games and video free on a fancy wide-screen monitor.

If all of the statements in the passage are true each of the following must also be true EXCEPT :

- (A) Mobile phones are a status symbol for today's consumers.
- (B) The companies producing mobile content are thriving.
- (C) The users enjoy the availability of music download at their fingertips.
- (D) Stuff on computer seem to be easily available so why pay money.



12

$A_b > S$  ✓

$A_n > S$  ✓

Abhishek is elder to Savan, Savan is younger to Anshul. The correct relations is

- (A) Abhishek is elder to Anshul
- (B) Anshul is elder to Abhishek
- (C) Abhishek and Anshul are of same age
- (D) No conclusion can be drawn



[GATE 2013 : IIT Bombay (CE)]

8871363926



Positive

Comparative

Superlative

Tall  
to  
long

Blond  
elder

older

than

Younger than

elder -  
older -

LB → HB  
LB  
HLB



13



In a group of four children, Som is younger to Riaz. Shiv is elder to Ansu. Ansu is youngest in the group. Which of the following statements is/are required to find the eldest child in the group?

Statements :

1. Shiv is younger to Riaz.
2. Shiv is elder to Som.

- (A) Statement 1 by itself determines the eldest child.
- (B) Statement 2 by itself determines the eldest child.
- (C) Statement 1 and 2 are both required to determine the eldest child.
- (D) Statement 1 and 2 are not sufficient to determine the eldest child.

[GATE 2014 : IIT Kharagpur (CE Set - 2, IN)]



14

---



Consider five people – Mita, Ganga, Rekha, Lakshmi and Sana. Ganga is taller than both Rekha and Lakshmi. Lakshmi is taller than Sana. Mita is taller than Ganga. Which of the following conclusions are true?



[GATE 2019 : IIT Madras (EE)]



15



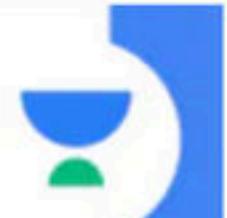
Read the following paragraph and choose the correct statement. Climate change has reduced human security and threatened human well being. An ignored reality of human progress is that human security largely depends upon environmental security. But on the contrary, human progress seems contradictory to environmental security. To keep up both at the required level is a challenge to be addressed by one and all. One of the ways to curb the climate change may be suitable scientific innovations, while the other may be the Gandhian perspective on small scale progress with focus on sustainability.

- (A) Human progress and security are positively associated with environmental security.
- (B) Human progress is contradictory to environmental security.
- (C) Human security is contradictory to environmental security.
- (D) Human progress depends upon environmental security.

**[GATE 2015 : IIT Kanpur (EC Set - 1)]**



16

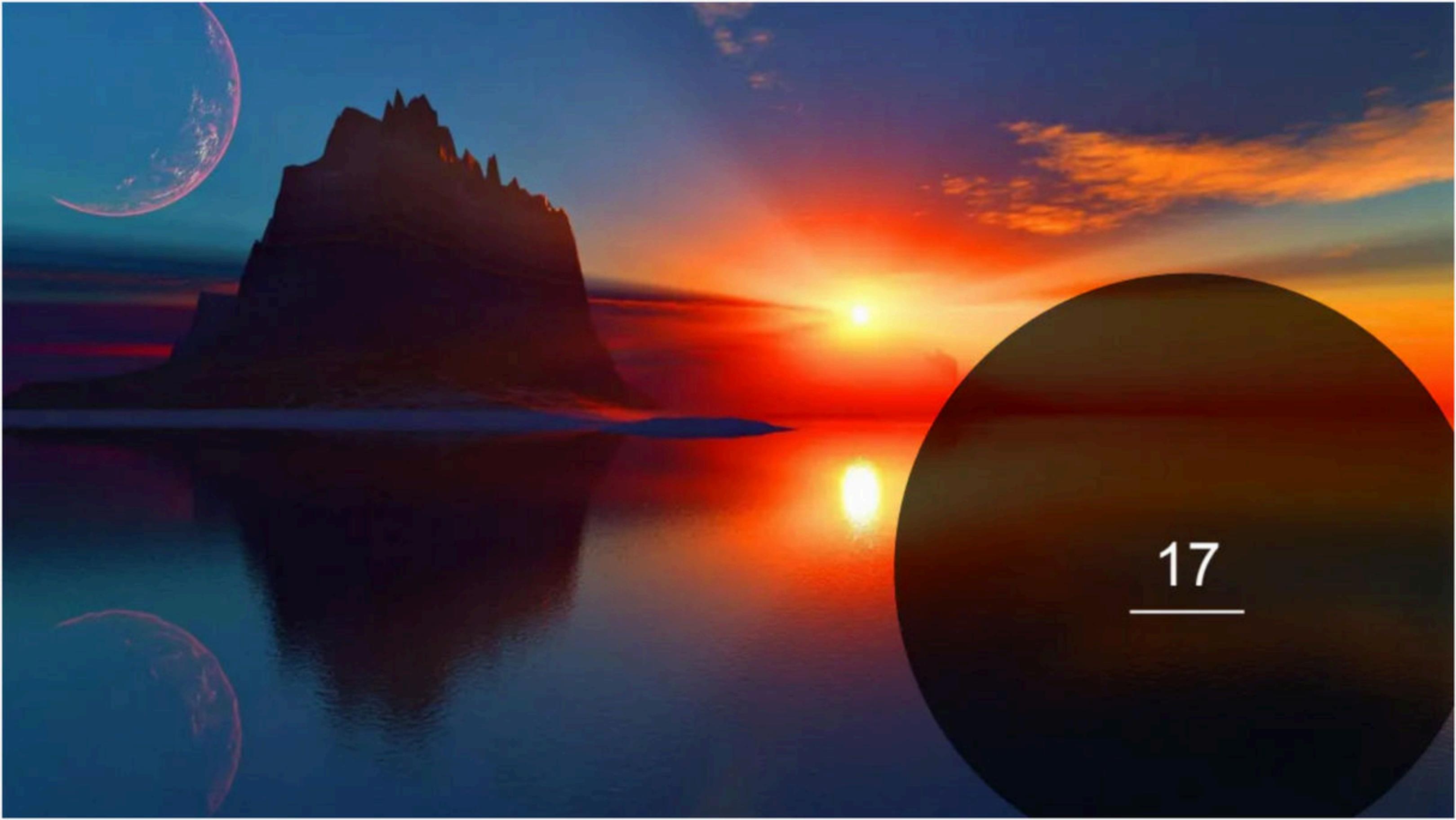


Choose the most appropriate phrase from the options given below to complete the following sentence.

India is a **post-colonial** country because

- (A) It was a **former** British colony
- (B) Indian Information Technology professionals have colonized the world
- (C) India does not follow any **colonial practices**
- (D) India has helped other countries gain freedom

[GATE 2014 : IIT Kharagpur (CSE Set - 2, EE Set - 2)]



17



Few school curricula include a unit on how to deal with bereavement and grief, and yet all students at some point in their lives suffer from losses through death and parting. Based on the above passage which topic would not be included in a unit on bereavement?

- (A) How to write a letter of condolence
- (B) What emotional stages are passed through in the healing process
- (C) What the leading causes of death are
- (D) How to give support to a grieving friend Choose the most appropriate word from the options given below to complete the following sentence:

**[GATE 2011 : IIT Madras (CSE, ME, CE)]**



18



One of the legacies of the Roman legions was discipline. IN the legions, military law prevailed and discipline was brutal. Discipline on the battlefield kept units obedient, intact and fighting, even when the odds and conditions were against them.

Which one of the following statements best sums up the meaning of the above passage?

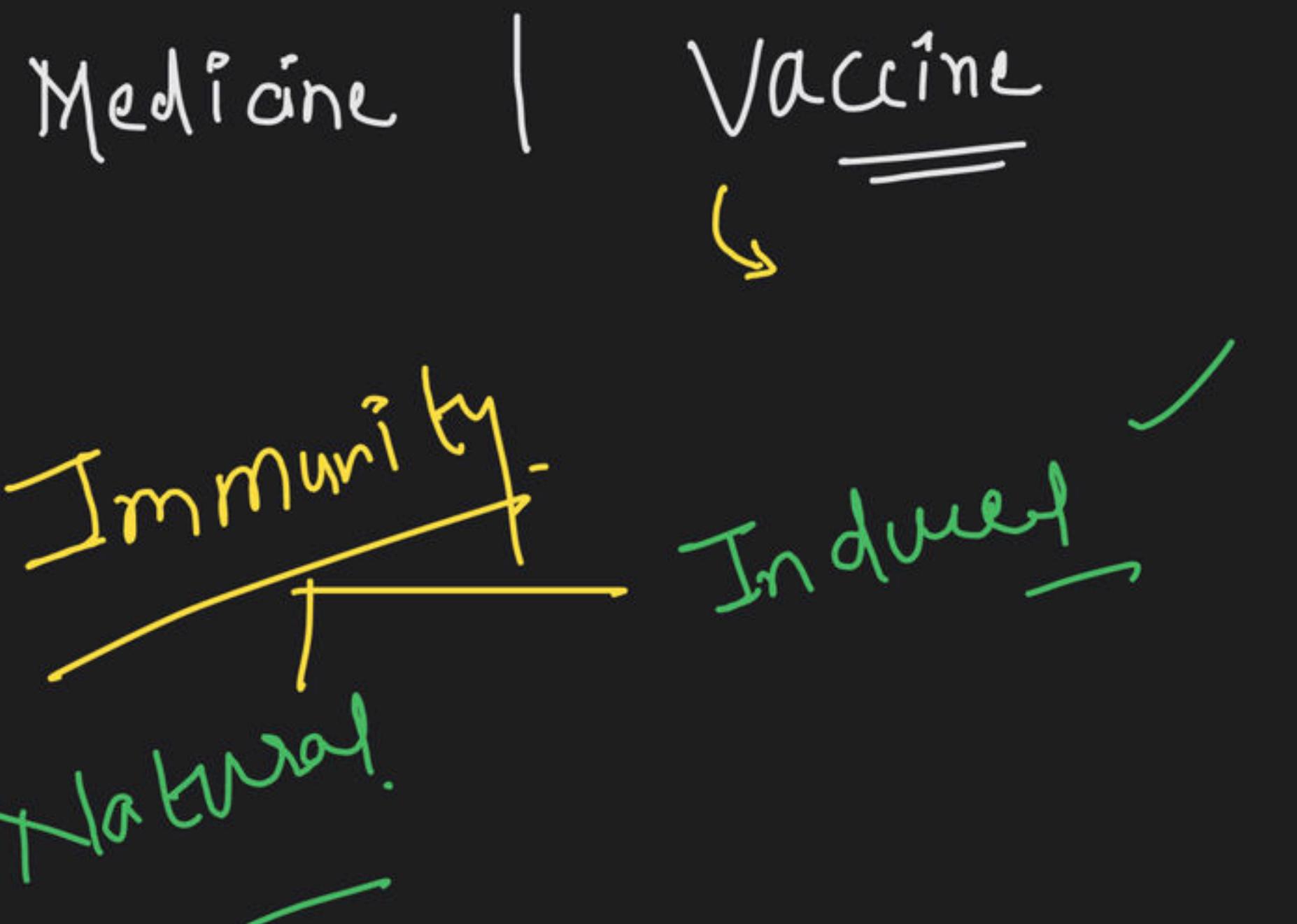
- (A) Thorough regimentation was the main reason for the efficiency of the Roman legions even in adverse circumstances.
- (B) The legions were treated inhumanly as if the men were animals.
- (C) Discipline was the armies inheritance from their seniors.
- (D) The harsh discipline to which the legions were, subjected to led to the odds and conditions being against them.

**[GATE 2012 : IIT Delhi (EC, EE, IN)]**



The horse has played a little known but very important role in the field of medicine. Horses were injected with toxins of diseases until their blood built up immunities. Then a serum was made from their blood. Serums to fight with diphtheria and tetanus were developed this way. It can be inferred from the passage that horses were

- (A) Given immunity to diseases
- (B) Generally quite immune to diseases
- (C) Given medicines to fight toxins
- (D) Given diphtheria and tetanus serums





A landscape photograph of a starry night sky. The upper half of the image is filled with a dense field of stars of various brightness. A prominent, curved band of light, characteristic of the Milky Way, stretches across the center. In the lower portion of the image, a dark silhouette of land or mountains is visible against a bright, glowing horizon. The sky is a deep, dark blue-black.

20



Moving into a world of big data will require us to change our thinking about the merits of exactitude. To apply the conventional mindset of measurement to the digital, connected world of the twenty-first century is to miss a crucial point. As mentioned earlier, the obsession with exactness is an artefact of the information-deprived analog era. When data was sparse, every data point was critical, and thus great care was taken to avoid letting any point bias the analysis. From “BIG DATA” Viktor Mayer-Schonberger and Kenneth Cukier

The main point of the paragraph is:

- (A) The twenty-first century is a digital world
- (B) Big data is obsessed with exactness
- (C) Exactitude is not critical in dealing with big data
- (D) Sparse data leads to a bias in the analysis

**[GATE 2014 : IIT Kharagpur (CE Set - 2, IN)]**



21



The Palghat Gap (or Palakkad Gap), a region about 30 km wide in the southern part of the Western Ghats in India, is lower than the hilly terrain to its north and south. The exact reasons for the formation of this gap are not clear. It results in the neighboring regions of Tamil Nadu getting more rainfall from the South West monsoon and the neighboring regions of Kerala having higher summer temperatures. What can be inferred from this passage?

- (A) The Palghat gap is caused by high rainfall and high temperatures in southern Tamil Nadu and Kerala
- (B) The regions in Tamil Nadu and Kerala that are near the Palghat Gap are low lying
- (C) The low terrain of the Palghat Gap has a significant impact on weather patterns in neighbouring parts of Tamil Nadu and Kerala
- (D) Higher summer temperatures result in higher rainfall near the Palghat Gap area

**[GATE 2014 : IIT Kharagpur (CSE Set - 1, EE Set - 1)]**

A wide-angle photograph of a night sky over a mountainous landscape. The sky is filled with stars, with a prominent, very bright star visible in the upper left quadrant. A small, thin white streak or object is also visible near the bottom left of the star. The mountains in the foreground and middle ground are dark and silhouetted against the sky, with some snow or light-colored patches on their peaks. In the far distance, lights from a town or city are visible at the base of the mountains.

22

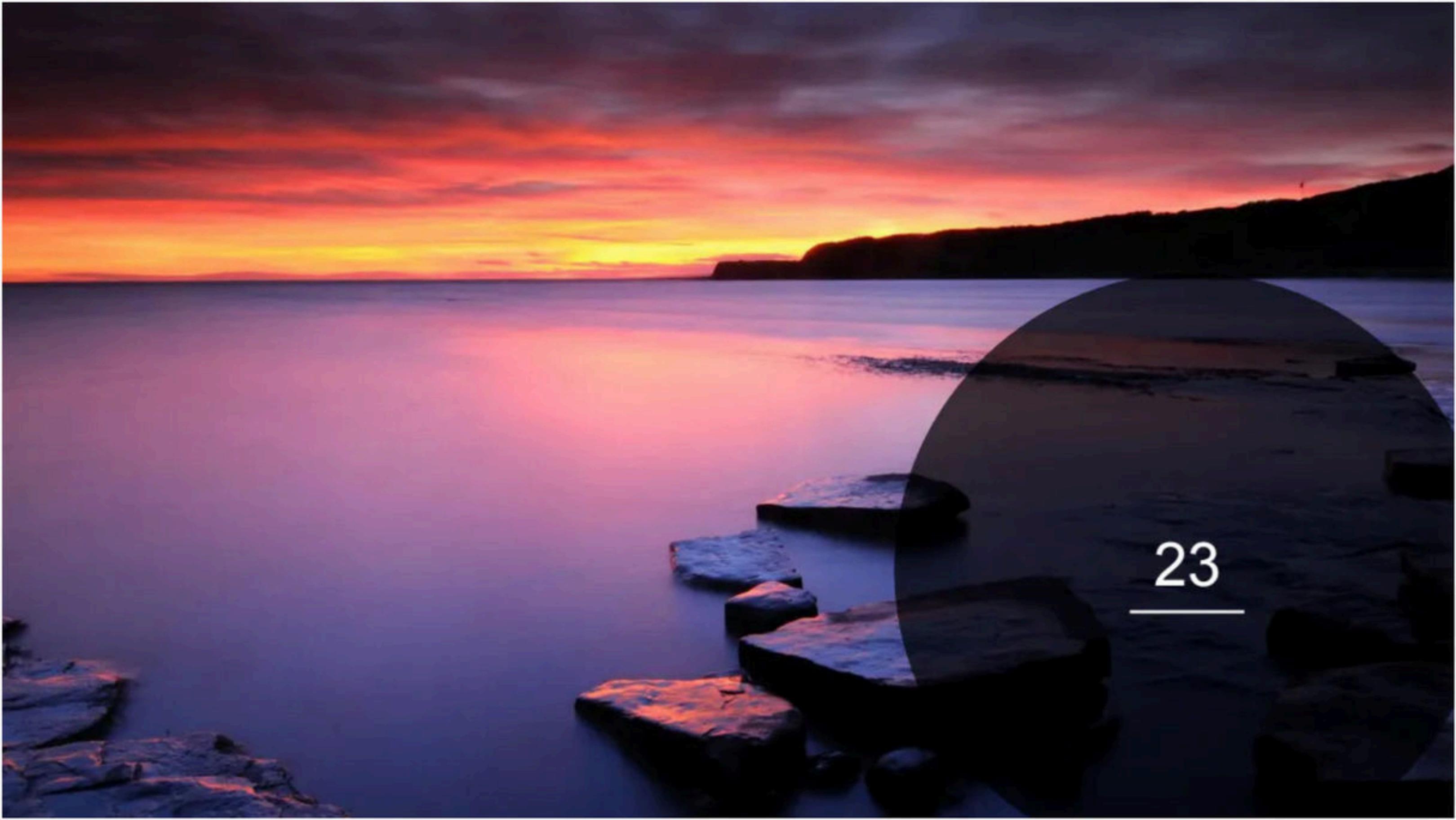


Statement: There were different streams of freedom movements in colonial India carried out by the moderates, liberals, radicals, socialists, and so on.

Which one of the following is the best inference from the above statement?

- (A) The emergence of nationalism in colonial India led to our Independence
- (B) Nationalism in India emerged in the context of colonialism
- (C) Nationalism in India is homogeneous
- (D) Nationalism in India is heterogeneous

**[GATE 2013 : IIT Bombay (EC, EE, IN)]**

A wide-angle photograph of a coastal scene at sunset. The sky is filled with horizontal bands of orange, yellow, and pink, transitioning into darker blues and purples. In the foreground, dark, jagged rocks are silhouetted against the bright horizon. A large, smooth, rounded rock sits prominently in the middle ground on the right side. The ocean water is visible between the rocks, reflecting the warm colors of the sky.

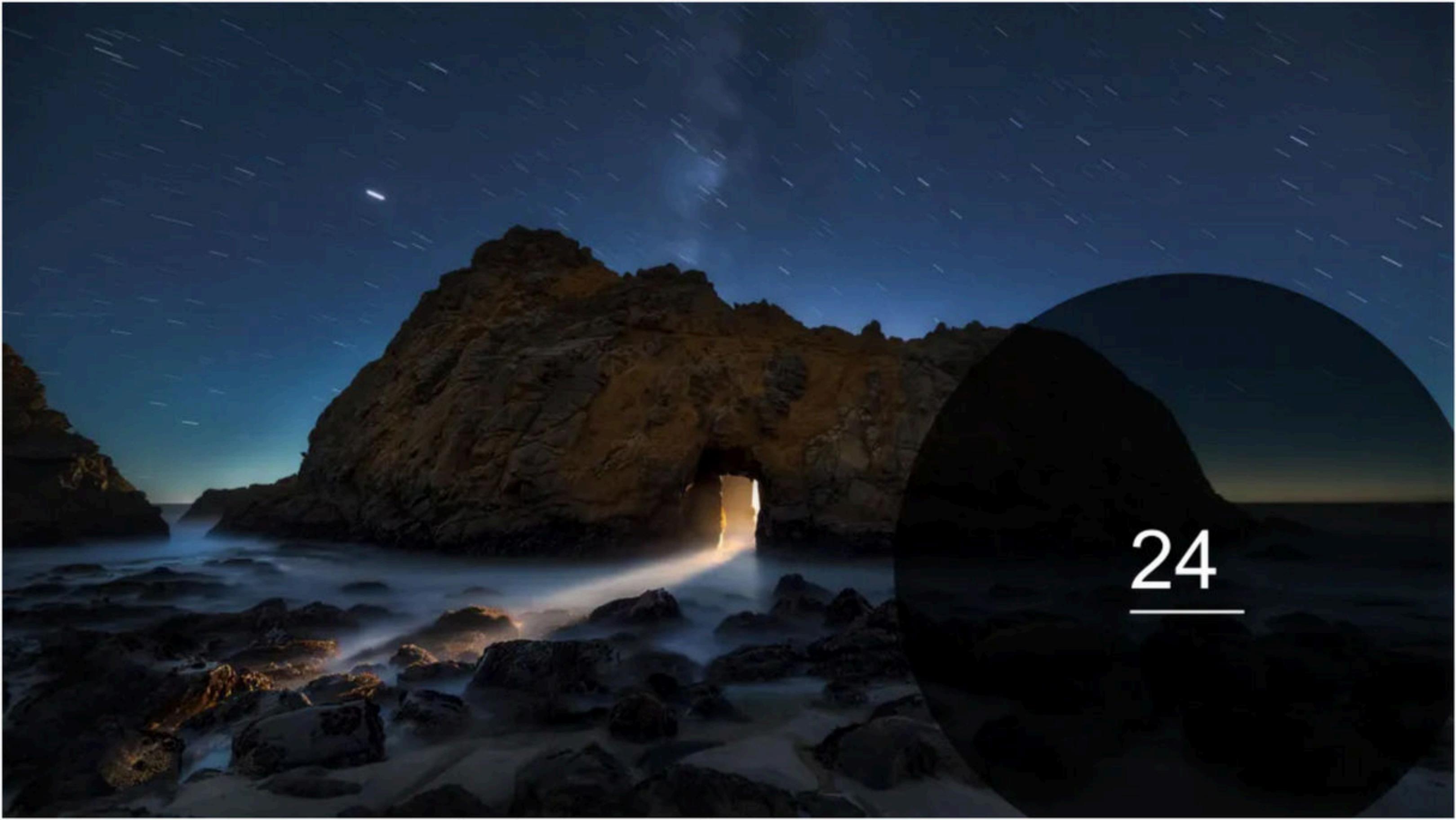
23



The old city of Koenigsberg, which had a German majority population before World War 2, is now called Kaliningrad. After the events of the war, Kaliningrad is now a Russian territory and has a predominantly Russian population. It is bordered by the Baltic Sea on the north and the countries of Poland to the south and west and Lithuania to the east respectively. Which of the statements below can be inferred from this passage?

- (A) Kaliningrad was historically Russian in its ethnic make up
- (B) Kaliningrad is a part of Russia despite it not being contiguous with the rest of Russia
- (C) Koenigsberg was renamed Kaliningrad, as that was its original Russian name
- (D) Poland and Lithuania are on the route from Kaliningrad to the rest of Russia

**[GATE 2014 : IIT Kharagpur (CSE Set - 2, EE Set - 2)]**

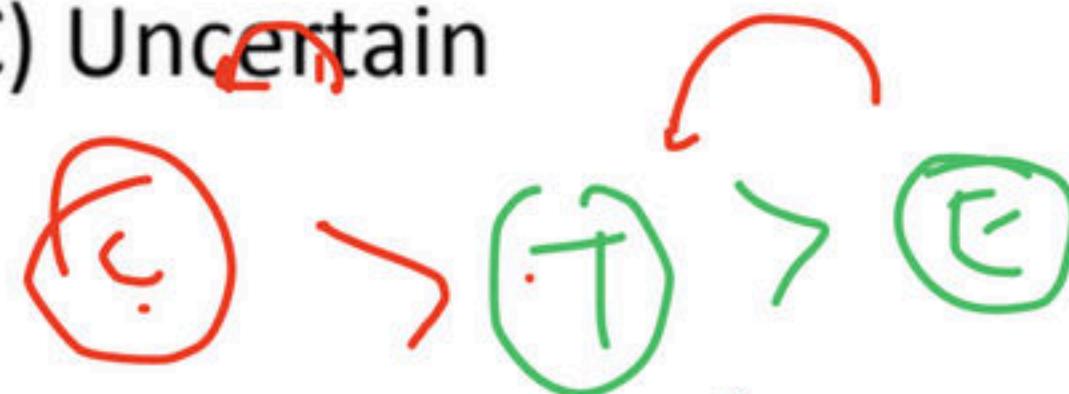


24

---

~~Tanya~~ is older than Eric. Cliff is older than Tanya. Eric is older than Cliff. If the first two statements are true, then ~~the third~~ statement is:

- (A) True
- (B) False
- (C) Uncertain
- (D) Data insufficient



[GATE 2015 : IIT Kanpur (ME Set - 3, IN)]



25



Where the film Bombay loses out is where every commercial film congenitally goes awry - becoming too simplistic to address serious issues and failing to translate real life to reel.

Which of the following can be inferred from the above line?

- (A) The film's director aimed at recreating real life on the silver screen.
- (B) The film was too simplistic for the audience's taste.
- (C) The film was successful in spite of its shortcomings.
- (D) None of these

26





Bhaichung was observing the pattern of people entering and leaving a car service centre. There was a single window where customers were being served. He saw that people inevitable came out of the centre in the order that they went in. however, the time they spent inside seemed to vary a lot : some people came out in a matter of minutes while for others in took much longer.

From this, what can one conclude?

- (A) The centre operates on a first-come-firstserved basis, but with variable service times, depending on specific customer needs.
- (B) Customers were served in an arbitrary order, since they tool varying amounts of time for service completion in the centre.
- (C) Since some people came out within a few minutes of entering the centre, the system is likely to operate on a last-comefirstserved basis.
- (D) Entering the centre early ensured that one would have shorter service times and most people attempted to do this.

27





Rajan was not happy that Sajan decided to do the project on his own. On observing his unhappiness, Sajan explained to Rajan that he preferred to work independently.

Which one of the statements below is logically valid and can be inferred from the above sentences?

- (A) Rajan has decided to work only in a group.
- (B) Rajan and Sajan were formed into a group against their wishes.
- (C) Sajan had decided to give in to Rajan's request to work with him.
- (D) Rajan had believed that Sajan and he would be working together.

[GATE 2014 : IIT Kharagpur (CE Set - 1)]



28



Lamenting the gradual sidelining of the arts ill school curricula, a group of prominent artists wrote to the Chief Minister last year, asking him to allocate more funds to support arts education in schools. However, no such increase has been announced in this year's Budget. The artists expressed their deep anguish at their request not being approved, but many of them remain optimistic about funding in the future.

Which of the statement(s) below is/are logically valid and can be inferred from the above statements?

- (i) The artists expected funding for the arts to increase this year
  - (ii) The Chief Minister was receptive to the idea of increasing funding for the arts
  - (iii) The Chief Minister is a prominent artist
  - (iv) Schools are giving less importance to arts education nowadays
- |                        |                   |
|------------------------|-------------------|
| (A) (iii) and (iv)     | (B) (i) and (iv)  |
| (C) (i), (ii) and (iv) | (D) (i) and (iii) |

A wide-angle photograph of a two-lane asphalt road curving through a dense forest of tall evergreen trees. The road is marked with a solid white line on each edge and a double yellow line in the center. In the distance, majestic mountains are silhouetted against a sky filled with large, billowing clouds colored in shades of orange, yellow, and pink from a setting sun. The overall atmosphere is serene and suggests a remote, natural landscape.

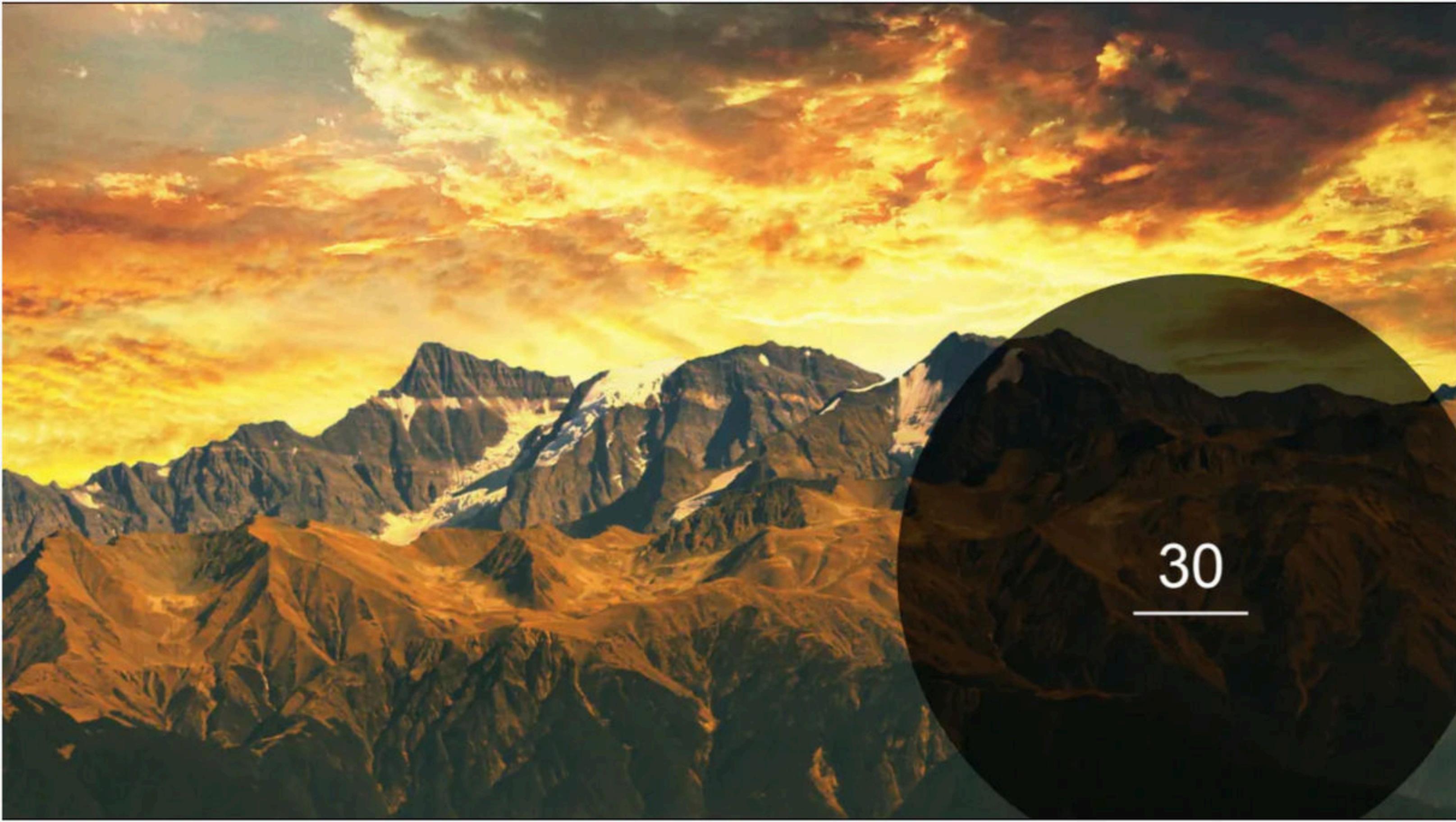
29



The number of people diagnosed with dengue fever (contracted from the bite of a mosquito) in north India is twice the number diagnosed last year. Municipal authorities have concluded that measures to control the mosquito population have failed in this region.

Which one of the following statements, if true, does not contradict this conclusion?

- (A) A high proportion of the affected population has returned from neighboring countries where dengue is prevalent
- (B) More cases of dengue are now reported because of an increase in the Municipal Office's administrative efficiency
- (C) Many more cases of dengue are being diagnosed this year since the introduction of a new and effective diagnostic test
- (D) The number of people with malarial fever (also contracted from mosquito bites) has increased this year



30



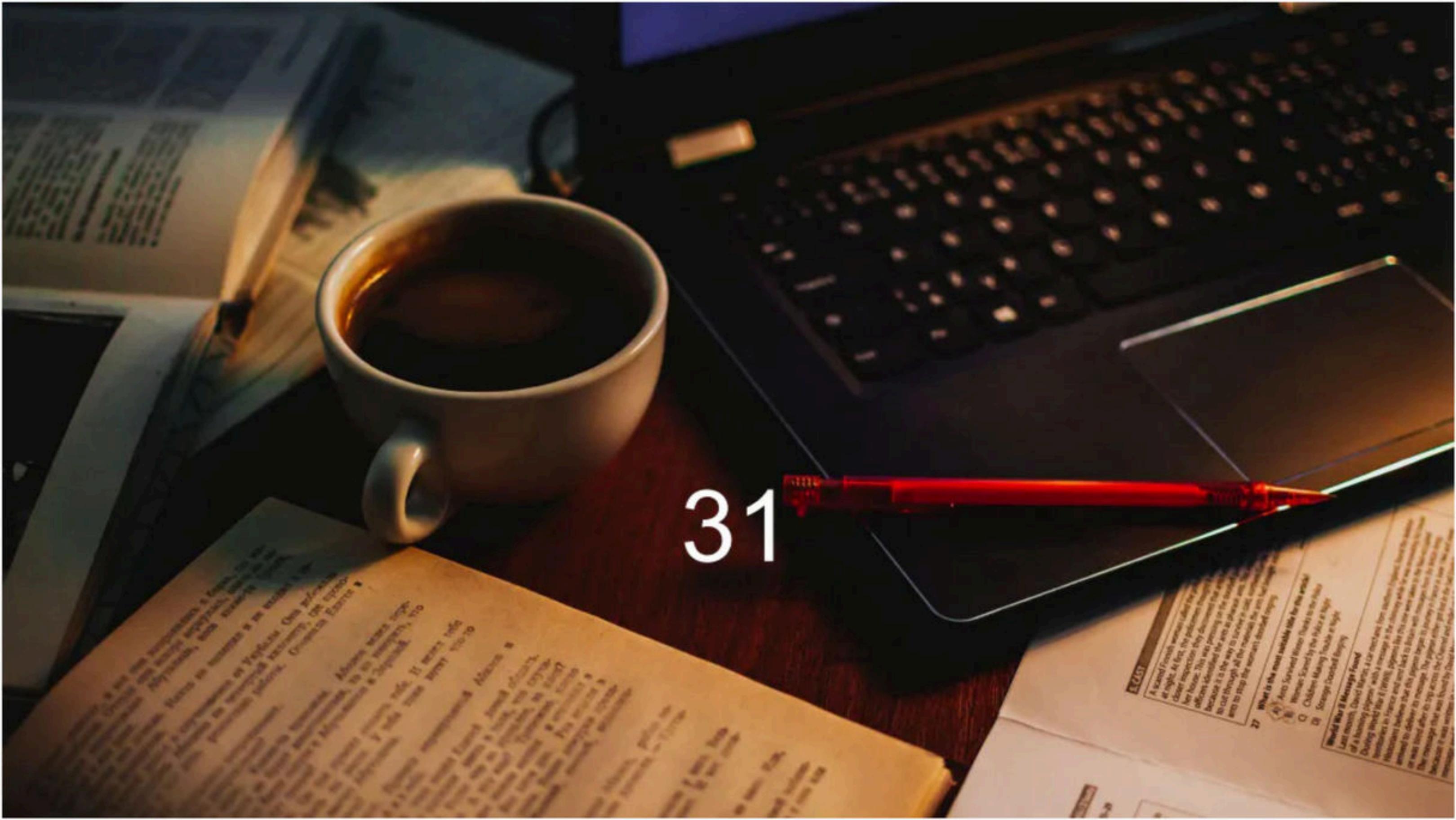
A poll of students appearing for masters in engineering indicated that 60% of the students believed that mechanical engineering is a profession unsuitable for women. A research study on women with masters or higher degrees in mechanical engineering found that 99% of such women were successful in their professions.

Which of the following can be logically inferred from the above paragraph?

- (A) Many students have misconceptions regarding various engineering disciplines.
- (B) Men with advanced degrees in mechanical engineering believe women are well suited to be mechanical engineers.
- (C) Mechanical engineering is a profession well suited for women with masters or higher degrees in mechanical engineering.
- (D) The number of women pursuing higher degrees in mechanical engineering is small.

**[GATE 2016 : IISc Bangalore (EE Set - 2)]**

31



LAST

- A United Front was formed at night. At first, the performers were not allowed to practice in her house. Then they discovered she was putting on the best show in town because it is the way to arts as on the streets through. At the service, she went to trap the moment. She left her home last month, David Malachy found.
- Auto Salvage Wrecker bills for the article  
Norman E. Smith (Dunkirk) to the  
Children Making Tracks at Night  
Stranger Drowns Hunting

World War II Memorial Found  
A Memory plaque, a car made from stones, a plaque to honor the  
veterans in Europe and one made to honor the  
men who served in the air force. The plaque is to be  
placed after the trip across the Channel and put in front of the  
building where it was found by the Dunkirk

Humpty Dumpty sits on a wall **every day** while having lunch. The wall **sometimes** **breaks**. A person sitting on the wall **falls** if the wall breaks.

Which one of the statement below is logically valid and can be inferred from the above sentences?

- (A) Humpty Dumpty always falls while having lunch
- (B) Humpty Dumpty does not fall sometimes while having lunch
- (C) Humpty Dumpty never falls during dinner
- (D) When Humpty Dumpty does not sit on the wall, the wall does not break

M	E	L	O	S	S
HD	ND	HD	HD	ND	ND
		=			

[GATE 2015 : IIT Kanpur (EC Set - 1)]



32



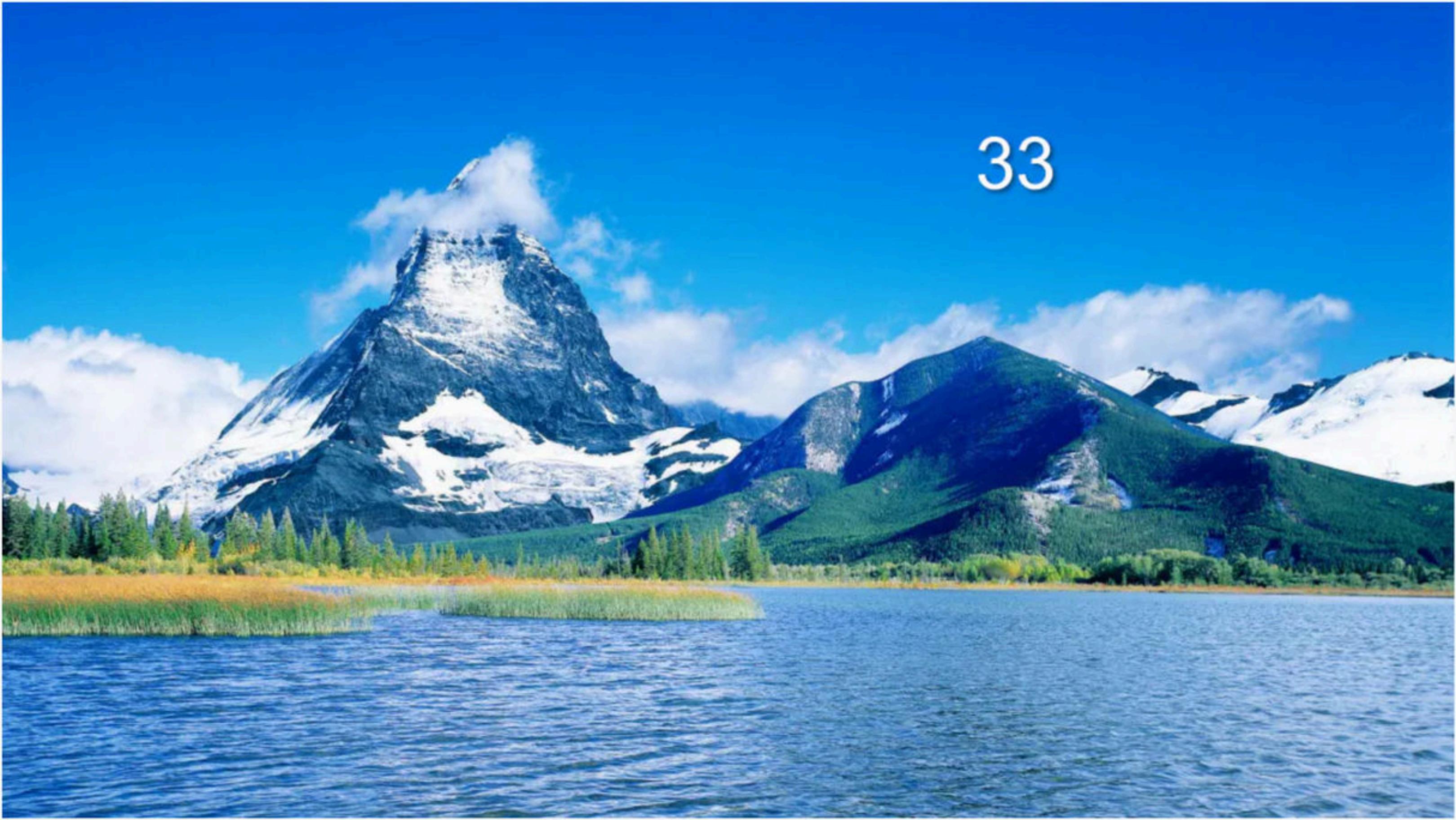
“If you are looking for a history of India, or for an account of the rise and fall of the British Raj, or for the reason of the cleaving of the subcontinent into two mutually antagonistic parts and the effects this mutilation will have in the respective sections, and ultimately on Asia, you will not find it in these pages for though I have spent a lifetime in the country, I lived too near the seat of events, and was too intimately associated

Which of the following statement best reflects the author’s opinion?

- (A) An intimate association does not allow for the necessary perspective.
- (B) Matters are recorded with an impartial perspective.
- (C) An intimate association offers an impartial perspective.
- (D) Actors are typically associated with the impartial recording of matters.

**[GATE 2017 : IIT Roorkee (EC Set – 2)]**

33





“The hold of the nationalist imagination on our colonial past is such that anything inadequately or improperly nationalist is just not history”.

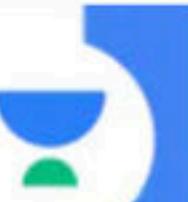
Which of the following statements best reflects the author’s opinion?

- (A) Nationalist are highly imaginative.
- (B) History is viewed through the filter of nationalism.
- (C) Our colonial past never happened.
- (D) Nationalism has to be adequately and properly imagined.

**[GATE 2017 : IIT Roorkee (EE, CS Set – 1)]**

34





Today we consider, Ashoka as a great ruler because of the copious evidence he left behind in the form of stone carved edicts. Historians tend to correlate greatness of a king at his time with the availability of evidence today.

Which of the following can be logically inferred from the above sentences?

- (A) Emperors who do not leave significant sculpted evidence are completely forgotten.
- (B) Ashoka produced stone-carved edicts to ensure that later historians will respect him.
- (C) Statues of kings are a reminder of their greatness.
- (D) A king's greatness, as we know him today, is interpreted by historians.

[GATE 2016 : IISc Bangalore (CE Set - 2)]

A landscape painting featuring a large, dark tree in the foreground, silhouetted against a bright, cloudy sky. Sunbeams stream through the clouds, illuminating the scene. The background shows a distant line of trees and a green field.

35



Most experts feel that in spite of possessing all the technical skills required to be a batsman of the highest order, he is unlikely to be so due to lack of requisite temperament. He was guilty of throwing away his wicket several times after working hard to lay a strong foundation. His critics pointed out that until he addressed this problem success at the highest level will continue to elude him.

Which of the statement (s) below is/are logically valid and can be inferred from the above passage?

- (i) He was already a successful batsman at the highest level
  - (ii) He has to improve his temperament in order to become a great batsman
  - (iii) He failed to make many of his good starts count
  - (iv) Improving his technical skills will guarantee success
- 
- (A) (iii) and (iv)
  - (B) (ii) and (iii)
  - (C) (i), (ii) and (iii)
  - (D) (ii) only

[GATE 2015 : IIT Kanpur (CE Set - 1, CSE Set - 3)]



36



By the beginning of the 20th century, several hypotheses were being proposed, suggesting a paradigm shift in our understanding of the universe. However, the clinching evidence was provided by experimental measurements of the position of a star which was directly behind our sun.

Which of the following inference(s) may be drawn from the above passage?

- (i) Our understanding of the universe changes based on the positions of stars
- (ii) Paradigm shifts usually occur at the beginning of centuries
- (iii) Stars are important objects in the universe
- (iv) Experimental evidence was important in confirming this paradigm shift

(A) (i), (ii) and (iv)

(C) (i) and (iv)

(B) (iii) only

(D) (iv) only

[GATE 2014 : IIT Kharagpur (CSE Set - 3, EE Set - 3)]

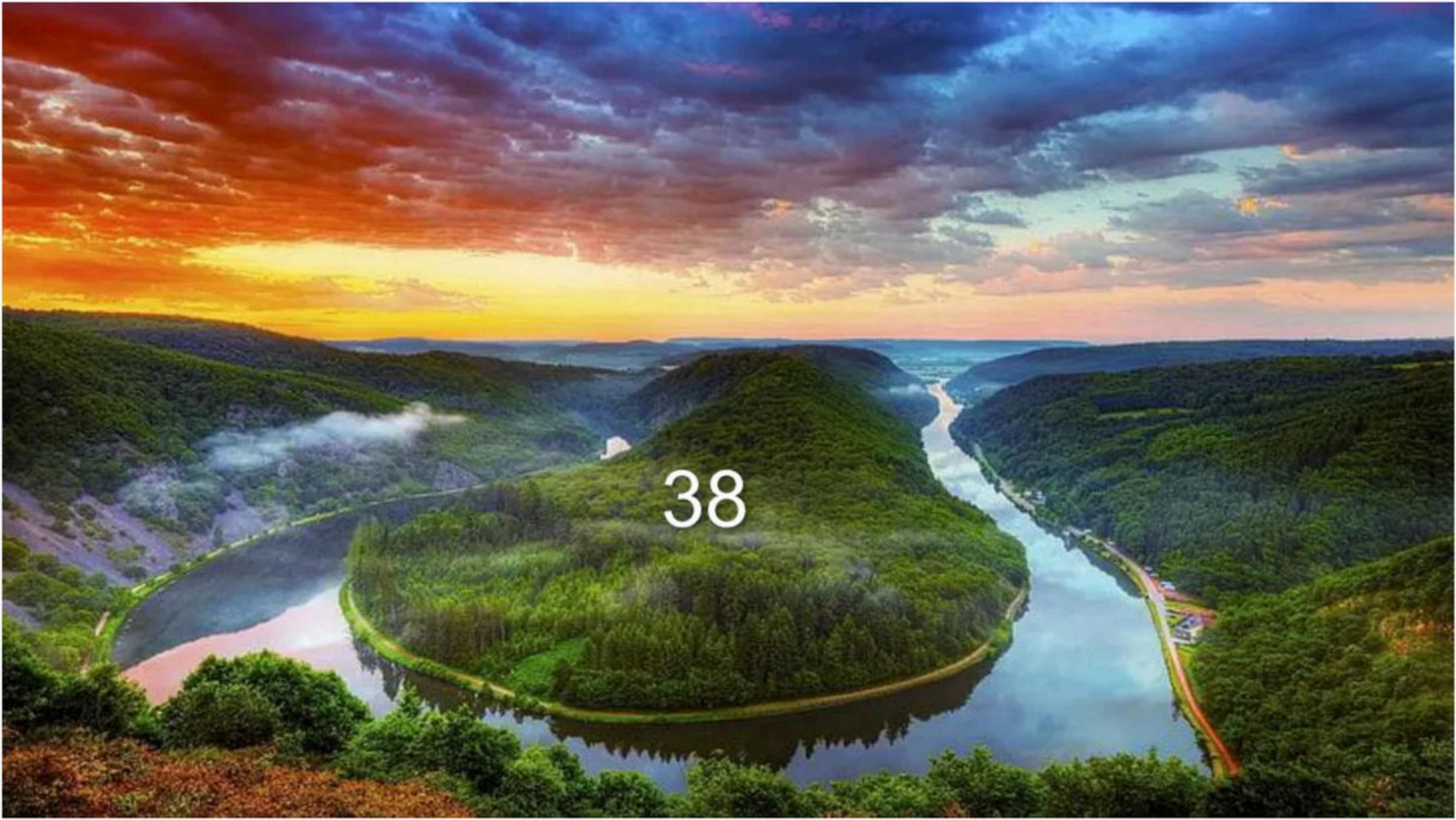
A wide-angle photograph of a coastal mountain range. In the foreground, there's a green field with a paved road curving through it. The middle ground shows a body of water with small islands and a town nestled among the hills. The background features towering, rugged mountains with patches of snow and green vegetation. The sky is a vibrant blue with scattered white clouds.

37



For submitting tax returns, all resident males with annual income below Rs 10 lakh should fill up Form P and all resident females with income below Rs 8 lakh should fill up Form A. All people with incomes above Rs 10 lakh should fill up Form R, except non-residents with income above Rs 15 lakhs, who should fill up Form S. All others should fill Form T. An example of a person who should fill Form T is

- (A) A resident male with annual income Rs 9 lakh
- (B) A resident female with annual income Rs 9 lakh
- (C) A non-resident male with annual income Rs 16 lakh
- (D) A non-resident female with annual income Rs 16 lakh

A wide-angle photograph of a river flowing through a valley. The river is dark blue in the foreground and light blue in the distance. It is surrounded by lush green hills and mountains. The sky is filled with dramatic clouds colored in shades of orange, yellow, and purple, indicating a sunset or sunrise. The number '38' is overlaid in white text in the center-left area of the image.

38

A smart city integrates all modes of transport, uses clean energy and promotes sustainable use of resources. It also uses technology to ensure safety and security of the city, something which critics argue, will lead to a surveillance state.

Which of the following can be logically inferred from the above paragraph?

- (i) All smart cities encourage the formation of surveillance states.
- (ii) Surveillance is an integral part of a smart city.
- (iii) Sustainability and surveillance go hand in hand in a smart city.
- (iv) There is a perception that smart cities promote surveillance.

(A) (i) and (iv) only

(C) (iv) only

(B) (ii) and (iii) only

(D) (i) only

[GATE 2016 : IISc Bangalore (ME Set - 2)]