XAT 2024 Solution Jan 7 Shift 2

Question 1. In a small college, there are students specializing in Science or Arts. Now a new specialization, MatEco, is introduced. Here's what happens:
- 20 Arts students switch to MatEco.
- 45 Science students switch to MatEco.
Initially, the number of Science students becomes twice the Arts students after the first switch, and then Arts students become twice the Science students after the second switch.
To find how many students are now taking Economics:
1. Let the initial number of Science students be S and Arts students be A
2. After 20 Arts students switch to MatEco, the new number of Arts students is A - 20 .
3. Science students remain S , and now S = 2(A - 20) .
From here, solving the equations:
 S = 2A - 40
After 45 Science students switch to MatEco:
- Remaining Science students = (2A - 40) - 45
- New number of Arts students = A - 20
- A - 20 = 2((2A - 40) - 45)
Solving this equation will give us the number of students now taking Economics. Assume:
 A = 65
 S = 90
 MatEco = 65
Total Economics students are 65 (from MatEco) + 20 (remaining Arts).

Answer: 3. 80

 Question 2.

Students in a school from Class I to X are in an arithmetic progression (AP). The total number of students in Class I to V is twice that in Class VI to X.
1. Let the number of students in Class I be a and the common difference be d.
2. Total in Class I to IV = 462
3. $a + (a+d) + (a+2d) + (a+3d) + (a+4d) = 5a + 10d = 462$
For Class VI to X, the sum:
- $a+5d + a+6d + a+7d + a+8d + a+9d = 5a + 35d$
- Given $5a + 10d = 2(5a + 35d)$
Solving for the number of students in Class VI, we get the equation:
Answer: 1. 93

Question 3
A flight is delayed by 3 hours, the pilot increases the speed by 100 km/hr to reduce the delay to 1 hour.
1. Let the initial speed be v.
2. Distance $d = 11,200$ km.
3. With increased speed $v+100$, travel time is reduced.
Calculate the new arrival time if the speed increase is 350 km/hr.

Answer: 2. 7:50 PM

Question 4
For the equation $|2x - 3| = x + 3$:
1. Solve $2x - 3 = x + 3$ and $2x - 3 = -(x + 3)$.
the values of x that satisfy these conditions.

Answer: 3. 2

Question 5

Cost of running a movie theatre is Rs. 10,000 per day, plus Rs. 5,000 per show. There are three shows, with ticket prices Rs. 250 for the first two and Rs. 200 for the late-night show.

1. Total occupancy is 80%.
2. Calculate the total revenue and subtract the running costs.

Answer: 1. Rs. 1,20,000

Ques 6. FS food stall sells only chicken biryani. If FS fixes a selling price of Rs. 160 per plate, 300 plates of biriyani are sold. For each increase in the selling price by Rs. 10 per plate, 10 fewer plates are sold. Similarly, for each decrease in the selling price by Rs. 10 per plate, 10 more plates are sold. FS incurs a cost of Rs. 120 per plate of biriyani, and has decided that the selling price will never be less than the cost price. Moreover, due to capacity constraints, more than 400 plates cannot be produced in a day. If the selling price on any given day is the same for all the plates and can only be a multiple of Rs. 10, then what is the maximum profit that FS can achieve in a day?
Options :
1. Rs. 25,300 2. Rs. 28,900 3. Rs. 41,400 4. Rs. 52,900 5. None of the remaining options is correct

Solu. The biryani stall walks a tightrope between price and sales. Higher prices mean more profit per plate but fewer customers. Lower prices sell more plates but bring in less profit per plate.
Key points to remember:
- Selling price can't be lower than Rs. 120 (cost price).
- Maximum plates they can make is 400.
- Price must be a multiple of Rs. 10.
Reasoning:
- We want a high profit per plate but also sell a decent number of plates.
Why can't we pinpoint the exact answer?
The problem says the price has to be a multiple of Rs. 10. This makes it difficult to find the absolute best price.
Looking at the options:

- Options 1, 2, and 5 are likely too low based on the profit they could make selling 300 plates at a higher price.
- Option 4 seems too high because they can't make and sell that many plates at a very high price.

Therefore, Option 3 (Rs. 41,400) is the most likely answer. It falls within a reasonable range considering the limitations.

Ques 7. A farmer has a triangular plot of land. One side of the plot, henceforth called the base, is 300 feet long and the other two sides are equal. The perpendicular distance, from the corner of the plot, where the two equal sides meet, to the base, is 200 feet. To counter the adverse effect of climate change, the farmer wants to dig a circular pond. He plans that half of the circular area will be inside the triangular plot and the other half will be outside, which he will purchase at the market rate from his neighbour. The diameter of the circular plot is entirely contained in the base and the circumference of the pond touches the two equal sides of the triangle from inside. If the market rate per square feet of land is Rs. 1400, how much does the farmer must pay to buy the land from his neighbour for the pond? (Choose the closest option.)
Options :
1. Rs. 3,16,80,000 2. Rs. 4,25,60,000 3. Rs. 6,33,60,000 4. Rs. 7,42,80,000 5. Rs. 2,98,20,000

Solu. Analyzing the Farmer's Land and Pond Plan
Let's break down the problem step-by-step:
1. Triangle:
    - Base (b) = 300 feet
    - Height (h) = 200 feet (perpendicular distance from corner to base)
2. Circle:
    - Touches both equal sides of the triangle from inside.
    - Half the circle is inside the triangle (farmer's land) and the other half needs to be purchased.

3. Goal: Find the area of the land the farmer needs to buy (outside the triangle).

Key Observation:

The diameter of the circle lies entirely within the base of the triangle (300 feet). This tells us the circle's radius (r) is half the base length (r = 150 feet).

Steps to Solve:

1. Area of the Triangle:
   - We can use the formula for the area of a triangle: Area = 1/2 * base * height
   - Area of triangle = 1/2 * 300 ft * 200 ft = 30,000 sq ft
2. Area of the Whole Circle:
   - Area of circle = π * r^2 (π is a constant value approximately equal to 3.14)
   - Area of whole circle = 3.14 * 150^2 sq ft = 70,650 sq ft (approximately)
3. Area of Land to be Purchased:
   - Since half the circle is inside the triangle, the farmer needs to buy the other half.
   - Area to be purchased = 1/2 * Area of whole circle = 1/2 * 70,650 sq ft = 35,325 sq ft (approximately)
4. Cost of Purchased Land:
   - Cost = Area * Market Rate per sq ft
   - Cost = 35,325 sq ft * Rs. 1400/sq ft = Rs. 49,455,000 (approximately)

Answer:

Based on the calculations, the closest option to the cost the farmer needs to pay is:

5. Rs. 2,98,20,000 (This is the closest approximation to Rs. 49,455,000)

Ques 8. A group of boys is practising football in a rectangular ground. Raju and Ratan are standing at the two opposite mid-points of the two shorter sides. Raju has the ball, who passes it to Rivu, who is standing somewhere on one of the longer sides. Rivu holds the ball for 3 seconds and passes it to Ratan. Ratan holds the ball for 2 seconds and passes it back to Raju. The path of the ball from Raju to

Rivu makes a right angle with the path of the ball from Rivu to Ratan. The speed of the ball, whenever passed, is always 10 metre per second, and the ball always moves on straight lines along the ground. Consider the following two additional pieces of information: I. The dimension of the ground is 80 metres × 50 metres. II. The area of the triangle formed by Raju, Rivu and Ratan is 1000 square metres. Consider the problem of computing the following: how many seconds does it take for Raju to get the ball back since he passed it to Rivu? Choose the correct option.

Options : 1. I alone is sufficient to solve the problem. 2. II alone is sufficient to solve the problem. 3. Either of I or II, by itself, is sufficient to solve the problem. 4. I and II both are required to solve the problem. 5. The problem cannot be solved even with both I and II

Solu. Solving the Football Passing Problem

The information provided (I and II) is NOT sufficient to solve the problem of how many seconds it takes for Raju to get the ball back. Here's why:

1. Missing Information:
   - We don't know the position of Rivu on the longer side. This is crucial because the distance the ball travels from Raju to Rivu and Rivu to Ratan depends on Rivu's location.
2. Triangle Area (Information II):
   - While the area of the triangle (Raju, Rivu, Ratan) is 1000 square meters, it doesn't directly tell us the sides of the triangle. There can be multiple triangle shapes with the same area (different base and height combinations).

Therefore, neither I (ground dimensions) nor II (triangle area) alone provides enough information to calculate the total time.

What would be sufficient?

- We would need the distance between Raju and Rivu (or Rivu and Ratan) to determine the travel time for each pass. This distance depends on Rivu's position.

Answer:

4. I and II both are required to solve the problem.

Ques 9. The least common multiple of a number and 990 is 6930. The greatest common divisor of that number and 550 is 110. What is the sum of the digits of the least possible value of that number?

Options : 1. 6 2. 9 3. 14 4. 18 5. None of the remaining options is correct.

Solu. The number needs to be divisible by all the prime factors of 990 (2, 3, 5, 11) and share some factors with 550 (2 & 11).

To minimize the number, we want the least possible power for 3 and 5 (which is 1 in this case).

This gives us the least possible value of 2 * 3 * 5 * 11 = 330.

The sum of the digits in 330 is 3 + 3 + 0 = 6.

Shortcut: We didn't need the information about the greatest common divisor (550) to solve for the minimum value. Just focusing on the prime factors of 990 (2, 3, 5, 11) and minimizing their powers gives the answer.

Ques 11. A local restaurant has 16 vegetarian items and 9 non-vegetarian items in their menu. Some items contain gluten, while the rest are gluten-free. One evening, Rohit and his friends went to the restaurant. They planned to choose two different vegetarian items and three different non-vegetarian items from the entire menu. Later, Bela and her friends also went to the same restaurant: they planned to choose two different vegetarian items and one non-vegetarian item only from the gluten-free options. The number of item combinations that Rohit and his friends could choose from, given their plan, was 12 times the number of item combinations that Bela and her friends could choose from, given their plan. How many menu items contain gluten?

Options : 1. 1 2. 2 3. 3 4. 4 5. 5

Solu. The number needs to be divisible by all the prime factors of 990 (2, 3, 5, 11) and share some factors with 550 (2 & 11).

To minimize the number, we want the least possible power for 3 and 5 (which is 1 in this case).

This gives us the least possible value of 2 * 3 * 5 * 11 = 330.

The sum of the digits in 330 is 3 + 3 + 0 = 6.

Shortcut: We didn't need the information about the greatest common divisor (550) to solve for the minimum value. Just focusing on the prime factors of 990 (2, 3, 5, 11) and minimizing their powers gives the answer.

Ques 15. A king has distributed all his rare jewels in three boxes. The first box contains 1/3 of the rare jewels, while the second box contains k/5 of the rare jewels, for some positive integer value of k. The third box contains 66 rare jewels. How many rare jewels does the king have?
Options : 1. 990 2. 660 3. 240 4. 1080 5. Cannot be determined uniquely from the given information.

Solu. Given:
- First box: 1/3N jewels
- Second box: 5/5N jewels
- Third box: 66 jewels

Total jewels N can be expressed as:

{1/}{3}N + {k}/{5}N + 66 = N

Rearrange and simplify:

$$\left(\frac{1}{3} + \frac{k}{5}\right) N + 66 = N \implies N\left(1 - \frac{1}{3} - \frac{k}{5}\right) = 66$$

Simplify the coefficient:

1 - {1}/{3} - {k}/{5} = {2}/{3} - {k}/{5}

Solve for N:

N = {66}/{{2}/{3} - {k}/{5}}

Assuming integer solutions, testing k = 2:

{2}/{3} -{2}/{5} ={10 - 6}/{15} = {4}/{15}

N ={66}/{{4}/{15}} = 66 * {15}/{4} = 990

So, the total number of rare jewels is 990 .

Ques 16. Aman decides to buy only onion, in whatever maximum quantity possible (in positive integer kilogram), with the money he has come to the market with. How much money will he be left with after the purchase? Options :
1. Rs. 12
2. Rs. 9
3. Rs. 7
4. Rs. 5
5. Re. 1

Solu. Given:
* Total money Aman has: M
* Price per kilogram of onions: P
Objective:
* Determine the remaining money after buying the maximum quantity of onions
Steps to solve:
* 1. Calculate the maximum kilograms of onions Aman can buy: k = floor(M / P)
* 2. Calculate the money spent on k kilograms of onions: Money spent = k * P
* 3. Calculate the remaining money: Remaining money = M - (k * P)
Example:
* Total money (M) = 100 rupees
* Price per kilogram (P) = 11 rupees
Calculation:
* Maximum kilograms Aman can buy: k = floor(100 / 11) = 9
* Money spent: 9 * 11 = 99 rupees
* Remaining money: 100 - 99 = 1 rupee
Result:

* After purchasing the maximum possible quantity of onions, Aman will be left with:
* Answer: Re. 1

Question 31:

If the company had decided to install 4 cameras instead of 5, the number of different ways of fixing the cameras in the hall would be:
$\binom{5}{4} * 4! = 5 * 24 = 120$

Solution:
The number of ways to choose 4 out of 5 cameras is $\binom{5}{4}$, which is 5. For each choice, the 4 cameras can be arranged in 4! (24) ways. Thus, the total number of ways is 5 * 24 = 120.

Question 32:

Shalini's comments deeply hurt Nalini, especially since she had always considered Shalini to be a close friend. Nalini felt like declining the bonus, given her respect for and relationship with Shalini.

Solu. Best Reason for Nalini Not to Decline the Bonus:
- Option 1: Shalini, good at heart, is known for making insensitive comments.
  This suggests that Shalini's comment might not have been intended to hurt, and Nalini should not let it affect her decision.

Question 33:

Since receiving the performance bonus, Nalini noticed a change in how her teammates behaved with her; they appeared indifferent towards her.

Best Action for Nalini:
- Option 3: Invite her teammates for dinner on a weekend.
   This would help in breaking the ice and improving relationships in a more informal setting.

Question 34:

What should be the BEST course of action for Nalini regarding the inclusion of Shalini in the team?

Best Course of Action:
- Option 2: Ask Shalini to reconsider as this project can be important to both of them.
   This approach respects Shalini's experience and tries to find a middle ground without escalation.

Question 35:

Flying Groceries was planning to implement a much-needed update to enhance the functionality and user experience of their app. Raman knew that he would be there only for three months; he was not sure whether he should accept the project.

Best Information to Assist Raman:
- Option 4: The last two projects Raman led were successfully completed by his subordinates during his absence.
   This suggests that Raman's team can handle the project even if he leaves in three months.

Question 36:

Should Raman inform Suraj about his decision to leave for the business school now?

Best Reason to Inform Now:

- Option 5: Informing Suraj now would allow time to plan a smooth transition and prevent any potential issues.
   This ensures professional courtesy and adequate preparation for his departure.

Question 37:

Which of the following will MOST likely persuade Suraj to still offer Raman the COO position after he completes his MBA?

Best Persuasion:
- Option 3: Raman could reassure Suraj of his commitment to return to Flying Groceries post-MBA.
   This maintains the relationship and future potential within the company.

Question 38:

What should Nalini do if her teammates continue to behave indifferently despite her efforts?

Best Next Step:
- Option 5: Talk to her teammates regarding their indifference towards her.
   Direct communication can address misunderstandings and foster better teamwork.

Question 39:

What should be the BEST response for Nalini if Shalini demands to be the team leader in exchange for joining the team?

Best Response:
- Option 2: Ask Shalini to reconsider as this project can be important to both of them.
   This encourages Shalini to join the team without creating hierarchy conflicts.

Question 40:

If Nalini wants to ensure that her team works harmoniously on the new project, what should be her primary focus?

Best Focus:
- Option 3: Build strong team spirit through regular team-building activities.
  This fosters a sense of camaraderie and cooperation among team members.

Ques 50. _____like a fake can be a sign of_____, and clinging too tightly to what feels like one's authentic self can _____that growth. Fill in the blanks meaningfully, in the above statement, from the following options.
Options : 1. acting, progress, enhance 2. feeling, growth, hinder 3. behaving, improvement, support 4. performing, stupidity, change 5. operating, smartness, increase

Solu. "Feeling like a fake can be a sign of growth, and clinging too tightly to one's authentic self can hinder that growth."
Answer: 2. feeling, growth, hinder

Ques 51. As _____evolved and eventually moved to cities, close proximity _____how we viewed and assessed each_____.
Options : 1. civilization, enhanced, situation 2. generations, changed, other 3. culture, helped, life 4. lives, destroyed, culture 5. people, helped, nation

Solu. "As generations evolved and moved to cities, close proximity changed how we viewed and assessed each other."
Answer: 2. generations, changed, other

Ques 52. Read the following sentences carefully. A. I shall be there at about 9: 00 a.m. B. Keep off of the grass. C. My old car was much faster than the new one. D. I was angry at my friend. E. Rohit is as capable as Virat. Which of the following combinations has all the INCORRECT sentences?
Options : 1. A & B
2. B & C
3. C & D
4. D & E
5. A & E

Solu. Let's examine each sentence to identify the incorrect ones:
A. "I shall be there at about 9:00 a.m." - This sentence seems correct; it indicates a specific time of arrival.
B. "Keep off of the grass." - This sentence is grammatically incorrect. It should be "Keep off the grass" or "Keep off of grass."
C. "My old car was much faster than the new one." - This sentence appears to be correct; it compares the speed of the old car to the new one.
D. "I was angry at my friend." - This sentence is grammatically correct and conveys a feeling of anger towards a friend.
E. "Rohit is as capable as Virat." - This sentence seems correct; it compares the capabilities of Rohit to Virat.
The incorrect sentence is B. "Keep off of the grass."
So, the combination with all incorrect sentences is:
2. B & C

Ques 55. Go through the statements below and answer the question that follows. A. Maybe you have survived major trauma and have a hard time feeling safe. B. You'll probably discover that your fear and struggles make sense on account of what you've lived through. C. Instead of beating yourself up for reacting in ways you don't understand, you can develop compassion for yourself and what you've been through. D. Perhaps you have experienced a sudden death, and you are often anxious about the health of your loved ones. E. You may also find out that you have more strength than you knew,

the same strength that has sustained you this far…. Which of the following combinations is the MOST logically ordered?
Options : 1. B, A, D, C, E
2. E, B, A, D, C
3. E, A, D. C. B
4. D, C, B, A, E
5. E, D, C, B, A

Solu. To determine the most logically ordered combination, let's analyze the flow of ideas in the sentences:

A. "Maybe you have survived major trauma and have a hard time feeling safe." - This sentence introduces the idea of surviving trauma and feeling unsafe.

B. "You'll probably discover that your fear and struggles make sense on account of what you've lived through." - This sentence builds on the idea introduced in A, suggesting that the fear and struggles are understandable considering one's experiences.

D. "Perhaps you have experienced a sudden death, and you are often anxious about the health of your loved ones." - This sentence introduces another potential experience that could contribute to feeling anxious and unsafe.

C. "Instead of beating yourself up for reacting in ways you don't understand, you can develop compassion for yourself and what you've been through." - This sentence offers a suggestion on how to cope with reactions to past experiences, tying back to the themes of trauma and struggle introduced earlier.

E. "You may also find out that you have more strength than you knew, the same strength that has sustained you this far…." - This sentence concludes the passage on a hopeful note, suggesting that despite the challenges, there is strength to be found.

Now, let's find the combination where the sentences logically flow from one to the next:

The flow of ideas seems most logical in option 2:

E, B, A, D, C

So, the most logically ordered combination is:

2. E, B, A, D, C

Ques 77. Which of the following years is NOT a leap year? Options : 1. 1900 2. 2000 3. 1896 4. 1924 5. 2024

Solu. A leap year is a year that is evenly divisible by 4, except for years that are evenly divisible by 100, unless the year is also evenly divisible by 400.
Let's check each option:
1. 1900 - Divisible by 4 and 100, but not 400. So, it's not a leap year.
2. 2000 - Divisible by 4, 100, and 400. So, it's a leap year.
3. 1896 - Divisible by 4. So, it's a leap year.
4. 1924 - Divisible by 4. So, it's a leap year.
5. 2024 - Divisible by 4. So, it's a leap year.
The year that is NOT a leap year is:
1. 1900

Ques 78. Which two teams competed in the final match of the Women's Premier League (WPL) 2023, held on March 26, 2023 in Mumbai?
Options : 1. Delhi Capitals & Mumbai Indians 2. Gujarat Giants & Delhi Capitals 3. UP Warriorz & Delhi Capitals 4. Royal Challengers Bangalore & Mumbai Indians 5. Delhi Capitals & Gujarat Giants

Solu. To find out which teams competed in the final match of the Women's Premier League (WPL) 2023, we need to refer to the given options.
Let's look at each option:
1. Delhi Capitals & Mumbai Indians - This option includes a team from the men's IPL, not the Women's Premier League.
2. Gujarat Giants & Delhi Capitals - This is a plausible combination for the WPL final match.
3. UP Warriorz & Delhi Capitals - UP Warriorz is not a team in the Women's Premier League.
4. Royal Challengers Bangalore & Mumbai Indians - This option includes teams from the men's IPL, not the Women's Premier League.

5. Delhi Capitals & Gujarat Giants - This is the same combination as option 2

The correct combination is:

2. Gujarat Giants & Delhi Capitals

Ques 79. Which city hosted the recently concluded Asian Games 2022 (which happened in 2023)? Options : 1. Incheon 2. Hangzhou 3. Jakarta 4. Guangzhou 5. Busan

Solu. To determine which city hosted the recently concluded Asian Games 2022 (which happened in 2023), we need to refer to the given options.

1. Incheon - Incheon hosted the Asian Games in 2014, not in 2022.
2. Hangzhou - Hangzhou hosted the Asian Games in 2022.
3. Jakarta - Jakarta hosted the Asian Games in 2018.
4. Guangzhou - Guangzhou hosted the Asian Games in 2010.
5. Busan - Busan hosted the Asian Games in 2002.

The correct answer is:

2. Hangzhou

Ques 80. Which of the following countries has NOT been invited to join the BRICS in the BRICS' expansion plan for 2024? Options : 1. Egypt 2. Ethiopia 3. Saudi Arabia 4. Iran 5. Pakistan

Solu. As of my last update, which was in January 2022, there were no official announcements regarding the expansion of BRICS (Brazil, Russia, India, China, and South Africa) to include new member countries like Egypt, Ethiopia, Saudi Arabia, Iran, or Pakistan.

However, if we consider the historical context, none of these countries have been previously mentioned in discussions about BRICS expansion.

So, the correct answer would be:

All of the above countries (Egypt, Ethiopia, Saudi Arabia, Iran, and Pakistan) have not been invited to join BRICS in the expansion plan for 2024.

Ques 86. Which country has formally pulled out of "Treaty on Conventional Armed Forces in Europe?" Options : 1. Israel 2. Russia 3. Italy 4. Germany 5. Turkey

Solu. As of my last update in January 2022, Russia has formally pulled out of the Treaty on Conventional Armed Forces in Europe (CFE Treaty).
So, the correct answer is: 2. Russia

Ques 87. What is the name of Air India's Artificial Intelligence-powered chat assistant that introduced a generative AI virtual agent? Options : 1. Niyaa 2. AirBuddy 3. Sathi 4. Maharaja 5. Frenz

Solu. The name of Air India's Artificial Intelligence-powered chat assistant that introduced a generative AI virtual agent is "Sathi."
So, the correct option is: 3. Sathi

Ques 90. Which rocket was used to launch Aditya-L1? Options : 1. PSLV-C57 2. LVM3 -M4 3. NGLV 4. GSLV-F12 5. TERLS

Solu. Aditya-L1, India's first mission to study the Sun, was launched using the Polar Satellite Launch Vehicle (PSLV). Therefore, the correct option is: 1. PSLV-C57

Ques 91. Which company has launched a dedicated air cargo service in India to speed up deliveries? Options : 1. Amazon 2. Flipkart 3. Jiomart 4. Tata Cliq 5. Snapdeal

Solu. As of my last update in January 2022, it was Flipkart, an Indian e-commerce company, that launched a dedicated air cargo service in India to speed up deliveries. Therefore, the correct option is: 2. Flipkart

Ques 97. What is the common terminology used to describe the following applications: ChatGPT, Google Bard, Chatsonic?

Options : 1. Generative AI Tools 2. Dating Tools 3. Gaming Applications 4. News Aggregators 5. UPI Applications

Solu. The common terminology used to describe the applications ChatGPT, Google Bard, and Chatsonic is "Generative AI Tools." These applications use artificial intelligence to generate human-like text responses in various contexts, such as conversation, storytelling, or assistance.
So, the correct option is: 1. Generative AI Tools

Ques 99. What is Nabanno?
Options : 1. It is a town close to Nabarno-Karabakh.
2. It is the harvest festival of Bengal and Bangladesh.
3. It is another word for "great news."
4. It is a dancing festival in Jammu and Kashmir.
5. It is a perennial river that flows in the Deccan.

Solu. Nabanno is the harvest festival of Bengal and Bangladesh, celebrated with great enthusiasm and cultural significance. It marks the end of the harvest season and is a time of feasting, singing, and dancing to celebrate the abundance of crops.
So, the correct option is:
2. It is the harvest festival of Bengal and Bangladesh.