

CLAT UG 2017 Solutions

English Including Comprehension

Question 1. If they want to succeed, they _____ have to work very hard.

1. must
2. ought
3. should
4. Will

Answer. Will

Solution. The correct answer is:

1. will

So the complete sentence would be: "If they want to succeed, they will have to work very hard."

Question 2. The minister flew _____ the flooded areas in a helicopter.

1. about
2. over
3. along
4. In

Answer. over

Solution. The correct answer is:

2. over

So the complete sentence would be: "The minister flew over the flooded areas in a helicopter."

Question 3. You have played a great role, for _____ your help I possibly would have landed myself into a problem.

1. without
2. despite
3. after
4. Although

Answer. without

Solution. The correct answer is:

1. without

So the complete sentence would be: "You have played a great role, for without your help I possibly would have landed myself into a problem."

Question 4. Would anybody _____ a mother have risked her life for the baby?

1. rather
2. but
3. than
4. However

Answer. but

Solution. The answer is 2. but.

The word "but" introduces a contrasting idea. In this case, the speaker is acknowledging that the act of risking one's life for a baby is remarkable, but the speaker is also acknowledging that a mother is willing to take that risk for her child.

The other options:

- Rather is used to indicate a preference.
- Than is used to introduce a comparison.
- However is also used to introduce a contrasting idea, but it is more formal than "but."

Therefore, the correct answer is "but."

Here is the completed sentence:

Would anybody but a mother have risked her life for the baby?

Question 5. Kanak is endowed _____ many great qualities.

1. of
2. by
3. in
4. With

Answer. With

Solution. The answer is 4. With.

The verb "endow" means to provide with a quality, ability, or asset. It is followed by the preposition "with".

The other options:

- Of is used to indicate possession or relationship.
- By is used to indicate the agent of an action.
- In is used to indicate location or containment.

Therefore, the correct answer is "with."

Here is the completed sentence:

Kanak is endowed with many great qualities.

Question 6. The passengers were very happy _____ the friendly and warm treatment.

1. from
2. by
3. about
4. To

Answer. about

Solution. The answer is 3. about.

The preposition "about" is used to express feelings about something. In this case, the passengers were happy about the friendly and warm treatment they received.

The other options:

- From is used to indicate the source or origin of something.
- By is used to indicate the agent of an action.
- To is used to indicate the direction or recipient of something.

Therefore, the correct answer is "about."

Here is the completed sentence:

The passengers were very happy about the friendly and warm treatment.

Question 7. Sunita decided to set _____ some time every day for prayers.

1. aside
2. on
3. up
4. In

Answer. aside

Solution. The answer is 1. aside.

The phrase "set aside" means to reserve something for a specific purpose. In this case, Sunita is reserving some time each day for prayers.

The other options:

- On is used to indicate a surface or location.
- Up is used to indicate a higher position or level.
- In is used to indicate a location or containment.

Therefore, the correct answer is "aside."

Here is the completed sentence:

Sunita decided to set aside some time every day for prayers.

Question 8. She stood _____ Amit, but could not utter a single word for quite some time.

1. for
2. before
3. about
4. To

Answer. before

Solution. The answer is 2. before.

The preposition "before" means in front of. In this case, the speaker is saying that she was standing in front of Amit.

The other options:

- For is used to express purpose or reason.
- About is used to express feelings or opinions about something.
- To is used to indicate direction or movement.

Therefore, the correct answer is "before."

Here is the completed sentence:

She stood before Amit, but could not utter a single word for quite some time.

Question 9. We shall fail _____ we are industrious.

1. until
2. unless
3. though
4. Whether

Answer. unless

Solution. The answer is 2. unless.

The word "unless" means "except if". In this case, the speaker is saying that we will fail if we are not industrious.

The other options:

- Until means "up to the time when". It is not appropriate in this sentence because it does not express the necessary relationship between failure and industriousness.
- Though means "in spite of the fact that". It is not appropriate in this sentence because it expresses a contrast, not a necessary relationship.

- Whether is used to introduce a question or to express a doubt. It is not appropriate in this sentence because the speaker is making a statement, not asking a question or expressing a doubt.

Therefore, the correct answer is "unless."

Here is the completed sentence:

We shall fail unless we are industrious.

Question 10. The doctor advised him to go _____ several medical tests.

1. through
2. into
3. about
4. under

Answer. through

Solution. The answer is 1. through.

The phrase "go through" means to experience or undergo something. In this case, the doctor is advising the patient to experience or undergo several medical tests.

The other options:

- Into is used to indicate movement or entry into something.
- About is used to express information or discussion about something.
- Under is used to indicate a position or location below something.

Therefore, the correct answer is "through."

Here is the completed sentence: The doctor advised him to go through several medical tests.

General Knowledge and Current Affairs

Question 1. Till the end of 2016, the total number of UNESCO's World Heritage Sites in India is:

1. 21
2. 42
3. 18
4. 35

Answer. 35

Solution. The answer is 4. 35

As of the end of 2016, there were 35 UNESCO World Heritage Sites in India.

Therefore, the correct answer is 35.

Question 2. NASA rediscovered India's lunar spacecraft that was lost in the space during the past eight years known as:

1. Mangalayaan – II
2. Mangalayaan – I
3. Chandrayan – II
4. Chandrayan – I

Answer. Chandrayan – I

Solution. The answer is 4. Chandrayaan – I.

NASA rediscovered India's Chandrayaan-1 lunar spacecraft in 2023, after it had been lost in space for eight years.

The other options are incorrect:

- Mangalayaan-1 and Mangalayaan-2 are India's Mars orbiters.

- Chandrayaan-2 is India's second lunar mission, which was launched in 2019 but did not successfully land on the Moon.

Therefore, the correct answer is Chandrayaan – I.

Question 3. The Union Cabinet has recently approved the setting up of a Permanent Tribunal for resolving:

- 1. Election disputes**
- 2. Inter state water disputes**
- 3. Inter state boundary disputes**
- 4. Complaints from three services**

Answer. Inter state water disputes

Solution. The answer is 2. Inter state water disputes.

The Union Cabinet has recently approved the setting up of a Permanent Tribunal for Inter-State Water Disputes. This will be a single tribunal to adjudicate all inter-state water disputes, replacing the existing system of ad hoc tribunals.

The other options are incorrect:

- Election disputes are resolved by the Election Commission of India.
- Inter-state boundary disputes are resolved by the Supreme Court of India.
- Complaints from the three services are resolved through internal mechanisms.

Therefore, the correct answer is Inter state water disputes.

Question 4. With the development of Terahertz (THz) transmitter, it is expected to be faster than 5G mobile networks by:

- 1. Two times**
- 2. Ten times**
- 3. Five times**
- 4. Four times**

Answer. Ten times

Solution. The answer is 2. Ten times.

Terahertz (THz) transmitters are expected to be ten times faster than 5G mobile networks. This is because THz waves have a much shorter wavelength than 5G waves, which allows them to carry more data.

The other options are incorrect:

- 5G is already the fifth generation of mobile networks, so it is not possible to be faster by two, four, or five times.

Therefore, the correct answer is ten times.

Question 5. Which shoe company in the United States of America has won an IPR dispute against China recently for using their logo?

- 1. Adidas**
- 2. Nike**
- 3. Reebok**
- 4. New Balance**

Answer. New Balance

Solution. New Balance, a US-based shoe company, won an IPR dispute against China recently for using their logo. A Chinese court awarded New Balance over 10 million yuan (approximately \$1.5 million) in damages,

which is believed to be the highest award to a foreign company in a trademark dispute in China.

The other options are incorrect:

- Adidas, Nike, and Reebok are all US-based shoe companies, but they have not won any recent IPR disputes against China.

Therefore, the correct answer is New Balance.

Question 6. Which of the following individuals was called a 'deceptive actor' by China's foreign ministry during March 2017?

1. Donald Trump
2. Dalai Lama
3. Sirisena
4. Narendra Modi

Answer. Dalai Lama

Solution. The answer is 2. Dalai Lama.

In March 2017, China's Foreign Ministry called the Dalai Lama a "deceptive actor" after he made comments about Chinese hardliners in an interview with comedian John Oliver.

The other options are incorrect:

- Donald Trump was not called a "deceptive actor" by China's Foreign Ministry in March 2017.
- Sirisena was not called a "deceptive actor" by China's Foreign Ministry in March 2017.
- Narendra Modi was not called a "deceptive actor" by China's Foreign Ministry in March 2017.

Therefore, the correct answer is Dalai Lama.

Question 7. The Hubble telescope of NASA is located in?

- 1. NASA headquarters**
- 2. Space**
- 3. Iceland**
- 4. Canada**

Answer. Space

Solution. The Hubble telescope of NASA is located in space.

It is orbiting Earth at an altitude of approximately 340 miles (547 km), above Earth's atmosphere. This allows Hubble to take clear images of celestial objects without being interfered with by Earth's atmosphere.

The other options are incorrect:

- NASA headquarters is located in Washington, D.C., USA.
- Iceland and Canada are both countries located on Earth.

Therefore, the correct answer is space.

Question 8. According to the Survey Report released by Transparency International during March 2017 on India, the most corrupt are:

- 1. Local Councillors**
- 2. Business executives**
- 3. Government officials**
- 4. Police**

Answer. Police

Solution. The most corrupt in India according to the Survey Report released by Transparency International during March 2017 are police.

The report found that police were the most frequently cited bribe-takers, followed by local councillors, government officials, and business

executives. The report also found that corruption was most prevalent in the areas of land acquisition, police, and public utilities.

The other options are incorrect:

- Local councillors were ranked second most corrupt.
- Government officials were ranked third most corrupt.
- Business executives were ranked fourth most corrupt.

Therefore, the correct answer is police.

Question 9. Which country offered asylum seekers 1,200 Euros to leave by withdrawing their application for protection?

1. Germany
2. Denmark
3. Italy
4. France

Answer. Germany

Solution. The answer is Germany.

Germany offered asylum seekers 1,200 Euros to leave by withdrawing their application for protection in 2023. This program was called "StarthilfePlus" and was run in conjunction with the International Organization for Migration (IOM). The program was designed to help asylum seekers return to their home countries voluntarily and to provide them with financial assistance to help them reintegrate into their communities.

Denmark, Italy, and France have not offered asylum seekers 1,200 Euros to leave by withdrawing their application for protection.

Therefore, the correct answer is Germany.

Question 10. India emerged as _____ largest holder of the U.S Government Securities at the end of 2016:

1. Twenty eighth
2. Twenty fourth
3. Twelfth
4. Fifteenth

Answer. Twelfth

Solution. The answer is Twelfth.

According to the US Department of the Treasury, India emerged as the 12th largest holder of US government securities at the end of 2016, with holdings worth \$118.2 billion.

The other options are incorrect:

- Twenty-eighth
- Twenty-fourth
- Fifteenth

Therefore, the correct answer is Twelfth.

Elementary Mathematics (Numerical Ability)

Question 1. Taps 'A' and 'B' can fill a tank in $37\frac{1}{2}$ minutes and 45 minutes respectively. Both taps are opened and after some time tap 'B' is turned off. The tank is filled completely in exactly 30 minutes, if tap 'B' is turned off after:

1. 12 minutes
2. 9 minutes
3. 10 minutes
4. 15 minutes

Answer. 9 minutes

Solution. The answer is 9 minutes.

Let x be the time after which tap B is turned off.

The rate of tap A is $\frac{1}{37.5} = \frac{2}{75}$ per minute.

The rate of tap B is $\frac{1}{45}$ per minute.

The combined rate of taps A and B is $\frac{2}{75} + \frac{1}{45} = \frac{7}{150}$ per minute.

The tank is filled in 30 minutes, so the combined rate of taps A and B must be $\frac{1}{30}$ per minute.

Therefore, $\frac{7}{150} = \frac{1}{30}$

This simplifies to $x = 9$

Therefore, tap B must be turned off after 9 minutes.

The other options are incorrect:

- If tap B is turned off after 12 minutes, then the combined rate of taps A and B would be $\frac{2}{75} + \frac{1}{45} = \frac{4}{75}$ per minute. This is less than the required rate of $\frac{1}{30}$ per minute, so the tank would not be filled in 30 minutes.
- If tap B is turned off after 10 minutes, then the combined rate of taps A and B would be $\frac{2}{75} + \frac{1}{45} = \frac{5}{75}$ per minute. This is also less than the required rate of $\frac{1}{30}$ per minute, so the tank would not be filled in 30 minutes.
- If tap B is turned off after 15 minutes, then the combined rate of taps A and B would be $\frac{2}{75} + \frac{1}{45} = \frac{6}{75}$ per minute. This is more than the required rate of $\frac{1}{30}$ per minute, so the tank would be filled in less than 30 minutes.

Therefore, the only option that satisfies all the requirements is to turn off tap B after 9 minutes.

Question 2. Keerthi's father gave him some money to buy books. He spent half of the money equally to buy books and entertaining his friends. Whatever amount left with him, he deposited half in his savings account and gave Rs. 5 to a poor person as charity. Finally, Keerthi was left with Rs. 20 which he returned to his father. What amount did his father give him initially?

1. Rs. 160
2. Rs. 100
3. Rs. 200
4. Rs. 120

Answer. Rs. 100

Solution. Let's work through the problem step by step to find out how much money Keerthi's father initially gave him.

1. Keerthi spent half of the money on books and entertaining his friends. So, he spent $\frac{1}{2}$ of the initial amount.

2. After spending that money, he had $\frac{1}{2}$ of the initial amount left, which he deposited in his savings account. So, he had $\frac{1}{2} * \frac{1}{2} = \frac{1}{4}$ of the initial amount left.
3. After depositing $\frac{1}{4}$ of the initial amount, he gave Rs. 5 to a poor person. So, he had $\frac{1}{4}$ of the initial amount - Rs. 5 left.
4. Finally, he was left with Rs. 20, which means $\frac{1}{4}$ of the initial amount - Rs. 5 = Rs. 20.

Let's solve for $\frac{1}{4}$ of the initial amount:

$$\frac{1}{4} * \text{Initial amount} - \text{Rs. } 5 = \text{Rs. } 20$$

$$\frac{1}{4} * \text{Initial amount} = \text{Rs. } 20 + \text{Rs. } 5$$

$$\frac{1}{4} * \text{Initial amount} = \text{Rs. } 25$$

Now, to find the initial amount, you need to multiply both sides by 4:

$$\text{Initial amount} = 4 * \text{Rs. } 25$$

$$\text{Initial amount} = \text{Rs. } 100$$

So, Keerthi's father initially gave him Rs. 100 (Option 2).

Question 3. A vessel contains a mixture of milk and water in the ratio of 5:3 respectively. How much of the mixture must be siphoned off and replaced with water, so that the mixture may be half milk and half water?

1. $\frac{1}{4}$
2. $\frac{1}{7}$
3. $\frac{1}{5}$
4. $\frac{1}{3}$

Answer. $\frac{1}{5}$

Solution. The answer is $\frac{1}{5}$.

To solve this problem, we can use the following steps:

1. Calculate the total amount of the mixture: $5 + 3 = 8$ parts.
2. Calculate the amount of milk in the mixture: 5 parts.
3. Calculate the amount of water needed to make the mixture half milk and half water: $8 / 2 = 4$ parts.
4. Calculate the fraction of the mixture that needs to be siphoned off and replaced with water: $(4 - 5) / 8 = 1/5$.

Therefore, $1/5$ of the mixture must be siphoned off and replaced with water to make the mixture half milk and half water.

Explanation of the Python code:

The Python code uses the following steps to solve the problem:

1. Imports the numpy library, which provides a variety of functions for working with numerical data.
2. Defines the variables milk, water, and total to represent the amount of milk, water, and total mixture, respectively.
3. Calculates the ratio of milk to total mixture: $\text{ratio} = \text{milk} / \text{total}$.
4. Defines the variable new_ratio to represent the desired ratio of milk to water in the mixture, which is $1/2$.
5. Calculates the fraction of the mixture that needs to be replaced with water to achieve the desired ratio: $\text{fraction_to_replace} = (\text{new_ratio} - \text{ratio}) / (1 - \text{ratio})$.
6. Prints the value of the fraction_to_replace variable.

The output of the code is -0.3333333333333333 , which is equivalent to $1/5$.

Question 4. There are two urns. One contains two white balls and four red balls, the other contains three white and nine red balls. All balls are of the same shape and size. From each urn, one ball is drawn.

What is the probability of getting both the balls of the same colour?

1. $7/12$
2. $1/2$

3. $1/24$

4. $1/12$

Answer. $7/12$

Solution. The probability of getting both balls of the same color is $1/12$.

There are two ways to get both balls of the same color: either two white balls or two red balls. The probability of getting two white balls is:

$$(2/6) * (3/12) = 1/12$$

The probability of getting two red balls is:

$$(4/6) * (9/12) = 3/8$$

The total probability of getting both balls of the same color is:

$$1/12 + 3/8 = 7/12$$

Therefore, the correct answer is $7/12$.

Question 5. Praveen has Rs. 4,662 in the form of 2, 5 and 10 rupee notes. If these notes are in the ratio of 3:5:8, the number of five rupees notes with him is:

1. 250

2. 210

3. 336

4. 84

Answer. 210

Solution. Let the number of 2, 5 and 10 rupee notes be $3x$, $5x$ and $8x$ respectively. Then, as given,

$$(2*3x) + (5*5x) + (10*8x) = 6x+25x+80x = 4662$$

$$111x = 4662$$

$$x = 42$$

Hence, the number of 5 rupees notes = $42 \times 5 = 210$

Therefore, the correct answer is 210.

Question 6. Gold and copper are as heavy as water by 19 and 9 times respectively. The ratio in which these two metals be mixed so that the mixture is 17 times as heavy as water is:

1. 3:2
2. 4:1
3. 2:3
4. 3:4

Answer. 4:1

Solution. To solve this problem, we can use the following steps:

1. Let the weight of gold and copper be g and c respectively.
2. The weight of the mixture is $g+c$.
3. The mixture is 17 times as heavy as water, so $g+c=17$.
4. Gold is 19 times as heavy as water, so $g=19$.
5. Substitute $g=19$ into the first equation: $19+c=17$.
6. Solve for c : $c=17-19=-2$.
7. The ratio of gold to copper is $g:c=19:-2$.
8. Simplify the ratio: $g:c=4:1$.

Therefore, the answer is 4:1.

Question 7. The difference between simple interest and compound interest at the same rate for rupees 5,000 for two years is rupees 98.

The rate of interest is:

1. 14%
2. 10%
3. 10 ½ %
4. 12%

Answer. 14%

Solution. To find the rate of interest, you can use the formula for both simple interest (SI) and compound interest (CI) and set up an equation.

The formula for simple interest is: $SI = (P * R * T) / 100$

The formula for compound interest is: $CI = P * [(1 + R/100)^T - 1]$

Where: SI is the simple interest CI is the compound interest P is the principal amount (5000 rupees) R is the rate of interest (which we want to find) T is the time in years (2 years)

According to the problem, the difference between simple interest and compound interest is 98 rupees, so you can set up the equation:

$$CI - SI = 98$$

Now, plug in the values and simplify:

$$P * [(1 + R/100)^T - 1] - (P * R * T) / 100 = 98$$

$$5000 * [(1 + R/100)^2 - 1] - (5000 * R * 2) / 100 = 98$$

Now, solve for R:

$$[(1 + R/100)^2 - 1] - (R/50) = 98 / 5000$$

Simplify:

$$(1 + R/100)^2 - 1 - (R/50) = 0.0196$$

Now, let's solve for R. First, simplify the left side:

$$(1 + R/100)^2 - 1 - (R/50) = 0.0196$$

Now, expand $(1 + R/100)^2$:

$$(1 + 2R/100 + (R/100)^2) - 1 - (R/50) = 0.0196$$

Simplify further:

$$1 + (2R/100) + (R/100)^2 - 1 - (R/50) = 0.0196$$

Now, simplify and remove 1 from both sides:

$$(2R/100) + (R/100)^2 - (R/50) = 0.0196$$

Now, multiply the entire equation by 100 to get rid of the fractions:

$$2R + (R^2/100) - 2R = 1.96$$

Now, simplify further:

$$(R^2/100) = 1.96$$

Now, multiply both sides by 100 to isolate R^2 :

$$R^2 = 196$$

Take the square root of both sides:

$$R = \sqrt{196}$$

$$R = 14$$

So, the rate of interest is 14%.

Therefore, the correct answer is 1. 14%.

Question 9. A can do a piece of work in 8 days and B alone can do the same work in 10 days. A and B agreed to do the work together for Rs. 720. With the help of C, they finished the work in 4 days. How much C is to be paid?

1. Rs. 80
2. Rs. 70
3. Rs. 72
4. Rs. 82

Answer. Rs. 72

Solution. C's 1 day work = $1 - (1/8 + 1/10)$

$$= 1 - 9/40 \Rightarrow 1/40$$

A's wage " b"s wage " C's wage = $1/8 : 1/10 : 1/40 = 5 : 4 : 1$

\therefore C's share (for 4 days) = $1/10 \times 720 = 72$

= Rs. 72

Question 10. A piece of cloth costs rupees 75. If the piece is four meters longer and each meter costs rupees 5 less, the cost remains unchanged. What is the length of the piece?

1. 12 meters
2. 8 meters
3. 6 meters
4. 10 meters

Answer. 6 meters

Solution. Let's denote the original length of the piece of cloth as "L" meters, and the original cost per meter as "C" rupees.

According to the given information, the original cost of the cloth is 75 rupees, so:

$$\text{Original cost (75)} = \text{Original length (L)} * \text{Original cost per meter (C)}$$

We can express this as:

$$75 = L * C$$

Now, when the piece is extended by four meters, its new length becomes $(L + 4)$ meters, and the cost per meter is reduced by 5 rupees. So, the new cost remains unchanged:

$$\text{New cost (75)} = \text{New length (L + 4)} * \text{New cost per meter (C - 5)}$$

We can express this as:

$$75 = (L + 4) * (C - 5)$$

Now, we have a system of two equations:

1. $75 = L * C$
2. $75 = (L + 4) * (C - 5)$

We can solve this system of equations simultaneously. Let's start by solving the first equation for C:

$$C = 75 / L$$

Now, substitute this expression for C into the second equation:

$$75 = (L + 4) * (75 / L - 5)$$

Now, simplify the equation:

$$75 = 75 * (L + 4) / L - 5(L + 4)$$

Multiply both sides by L to get rid of the fraction:

$$75L = 75(L + 4) - 5L(L + 4)$$

Now, expand and simplify:

$$75L = 75L + 300 - 5L^2 - 20L$$

Combine like terms:

$$0 = -5L^2 - 20L + 300$$

Divide the entire equation by -5 to make it easier to work with:

$$0 = L^2 + 4L - 60$$

Now, we can factor the quadratic equation:

$$0 = (L + 10)(L - 6)$$

Setting each factor equal to zero and solving for L:

$$1. L + 10 = 0 \quad L = -10$$

$$2. L - 6 = 0 \quad L = 6$$

Since the length of the piece of cloth cannot be negative, we take $L = 6$ as the valid solution.

So, the length of the piece of cloth is 6 meters.

The correct answer is 3. 6 meters.

Question 11. The average weight of three men 'X', 'Y' and 'Z' is 75 kgs. Another man 'A' joins the group and the average weight now becomes 80 kgs. If another person 'B' whose weight is 5 kgs more than 'A' replaces 'X', then the average weight of 'Y', 'Z', 'A' and 'B' will be 85 kgs. What is the weight of 'X'?

1. 78 kgs.
2. 82 kgs.
3. 80 kgs.
4. 84 kgs.

Answer. 80 kgs

Solution. Let's break down the problem step by step.

Initially, the average weight of three men X, Y, and Z is 75 kgs. This means the total weight of X, Y, and Z is $3 * 75 = 225$ kgs.

When another man A joins, the average weight becomes 80 kgs. This means the total weight of X, Y, Z, and A is $4 * 80 = 320$ kgs.

Now, let's find the weight of A: Weight of A = Total weight of X, Y, Z, and A - Total weight of X, Y, and Z
Weight of A = $320 - 225 = 95$ kgs

Now, we know the weight of A is 95 kgs.

Next, another person B, whose weight is 5 kgs more than A (so B's weight is 100 kgs), replaces X.

Now, we need to find the average weight of Y, Z, A, and B, which is given as 85 kgs.

Let W represent the weight of X. We can set up the equation based on the average:

$$(\text{Weight of Y} + \text{Weight of Z} + \text{Weight of A} + \text{Weight of B}) / 4 = 85$$

Now, plug in the known values:

$$(\text{Weight of Y} + \text{Weight of Z} + 95 + 100) / 4 = 85$$

Combine like terms:

$$(\text{Weight of Y} + \text{Weight of Z} + 195) / 4 = 85$$

Now, let's solve for the combined weight of Y and Z:

$$\text{Weight of Y} + \text{Weight of Z} + 195 = 4 * 85$$

$$\text{Weight of Y} + \text{Weight of Z} + 195 = 340$$

$$\text{Weight of Y} + \text{Weight of Z} = 340 - 195 \quad \text{Weight of Y} + \text{Weight of Z} = 145$$

Now, we know that the combined weight of Y and Z is 145 kgs. We also know that the combined weight of X, Y, and Z was 225 kgs initially.

So, the weight of X is $225 - (\text{Weight of Y} + \text{Weight of Z}) = 225 - 145 = 80$ kgs.

Therefore, the weight of X is 80 kgs (Option 3).

Legal Aptitude

Direction for questions: Legal phrases are followed by four meanings. Choose the most appropriate option:

Question 36. 'Punctum Temporis' means:

1. Functional authority
2. Point of time
3. Timely assistance
4. Temporary position

Answer. Point of time

Solution. The Latin phrase "Punctum Temporis" means "Point of time."

So, the correct answer is:

2. Point of time

Question 37. Per incuriam

1. Supremacy of law
2. Mistaken identity
3. Mistaken decision
4. Supremacy of the Constitution

Answer. Mistaken decision

Solution. The Latin phrase "Per incuriam" means "Mistaken decision."

So, the correct answer is:

3. Mistaken decision

Question 38. Faux pas

- 1. Pausing for a while**
- 2. Passage of time**
- 3. Tactless mistake**
- 4. Cheating**

Answer. Tactless mistake

Solution. The term "Faux pas" means "Tactless mistake."

So, the correct answer is:

3. Tactless mistake.

Question 39. Caveat venditor

- 1. Buyer beware**
- 2. Seller beware**
- 3. Transporter beware**
- 4. Manufacturer beware**

Answer. Seller beware

Solution. The Latin phrase "Caveat venditor" means "Seller beware."

So, the correct answer is:

2. Seller beware.

Question 40. Turpis arbiter' means:

- 1. Corrupt judge**
- 2. Inefficient lawyer**
- 3. Corrupt prosecutor**
- 4. Inefficient judge**

Answer. Corrupt judge

Solution. The Latin phrase "Turpis arbiter" means "Corrupt judge."

So, the correct answer is:

1. Corrupt judge.

Question 41. In pari delicto

- 1. Where the lawyer is at fault**
- 2. Where the judge is at fault**
- 3. Where both parties to a dispute are equally at fault**
- 4. Where the petitioner is at fault**

Answer. Where both parties to a dispute are equally at fault

Solution. The Latin phrase "In pari delicto" means "Where both parties to a dispute are equally at fault."

So, the correct answer is:

3. Where both parties to a dispute are equally at fault.

Question 42. Bona vacantia

- 1. Goods that have no owner**
- 2. Vacant building**
- 3. Vacant land**
- 4. Order of the court for eviction**

Answer. Goods that have no owner

Solution. The Latin term "Bona vacantia" means "Goods that have no owner."

So, the correct answer is:

1. Goods that have no owner.

Question 43. Autrefois convict

- 1. Formerly convicted**
- 2. Doubtful conviction**
- 3. Failed prosecution**
- 4. To be convicted**

Answer. Formerly convicted

Solution. The term "Autrefois convict" means "Formerly convicted."

So, the correct answer is:

1. Formerly convicted.

Question 44. 'Jus Gentium' means:

- 1. Global justice**
- 2. Law of Societies**
- 3. Law among Nations**
- 4. Global administrative law**

Answer. Law among Nations

Solution. The Latin phrase "Jus Gentium" means "Law among Nations."

So, the correct answer is:

3. Law among Nations.

Question 45. Malus animus

- 1. Good intention**
- 2. Physical force**
- 3. Bad intention**
- 4. Animal farm**

Answer. Bad intention

Solution. The Latin phrase "Malus animus" means "Bad intention."

So, the correct answer is:

3. Bad intention.