

CAREERS 360

PREPARATION **Series**

SLAT 2025

**Memory Based
Question Paper
with Solutions**

SLAT Memory-Based Question Paper - SLOT 1

Q1. PMJAY Scheme?

- a) Launched in 2018
- b) for health and technical benefit
- c) Provides Cashless access to healthcare
- d) There are restrictions on the family size.

Which statement is correct?

Ans. Statements A, B and C are correct.

Explanation- The Pradhan Mantri Jan Arogya Yojana (PMJAY), popularly known as Ayushman Bharat, is a flagship health insurance scheme launched by the Government of India to provide comprehensive health coverage to economically vulnerable sections of society. Beneficiaries are selected based on the Socio-Economic Caste Census (SECC) data, primarily targeting poor and vulnerable families, both rural and urban.

Q2. Which state award is the 'Best Agri State Award 2024'?

Ans. Maharashtra

Explanation-

Maharashtra has been honoured with the Best Agriculture State Award for 2024 by the 15th Agriculture Leadership Awards Committee, chaired by Justice P. Sathasivam, former Chief Justice of India and Governor of Kerala. Chief Minister Eknath Shinde received the award on July 10, 2024, in New Delhi.

Q3. A technique in which 2 or 4 types of Indigenous trees are grown within every square meter. Which technique is it?

- a) Mayawari Technique
- b) Belt Technique
- c) Diversified Technique
- d) Miyawaki technique

Ans. Miyawaki technique

Explanation-

The Miyawaki Technique is a method of afforestation pioneered by Japanese botanist Dr. Akira Miyawaki, where native plant species are densely planted to create mini forests that grow rapidly and support biodiversity.

Q4. If 22 Sep 2024 is Sunday, then 16 Aug 2025 will be?

Ans. Saturday

Explanation-

To determine the day of the week for 16 August 2025, we can calculate the number of days between 22 September 2024 and 16 August 2025, and find the remainder when dividing the total days by 7 (since a week has 7 days).

- September (remaining days): $30 - 22 = 8$ days
- October to December:
 - October: 31 days
 - November: 30 days
 - December: 31 daysTotal days in 2024 after 22 September = $8 + 31 + 30 + 31 = 100$ days
- January to July (2025):
 - January: 31 days
 - February: 28 days (2025 is not a leap year)
 - March: 31 days
 - April: 30 days
 - May: 31 days
 - June: 30 days
 - July: 31 daysTotal: 212 days
- August (2025): 16 days

Total days in 2025 up to 16 August = $212 + 16 = 228$ days

Total days = 100 (2024) + 228 (2025) = 328 days

- Divide 328 by 7:
 $328 \div 7 = 46$ remainder 6
A remainder of 6 means the day will be 6 days ahead of Sunday (22 September 2024).
- Counting forward from Sunday:
Sunday → Monday → Tuesday → Wednesday → Thursday → Friday → Saturday

Thus, 16 August 2025 will be a Saturday.

Q5. ZA24 ; Y15B ; _____ ; W3D; VE0

Ans. The missing term is X9C

Explanation-

ZA → Y → ? → W → V

- The first letter decreases by one position in the alphabet:
 - Z → Y → X → W → V
- The second letter appears to be alternating between "A," "B," and other letters. Let's check the pattern further.

24 → 15 → ? → 3 → 0

- The difference between consecutive numbers:
 - 24 → 15: $24 - 15 = 9$
 - 15 → ? : $15 - 12 = 3$
 - 3 → 0: $3 - 3 = 0$
- The numeric difference decreases by 3 each time: $9 \rightarrow 6 \rightarrow 3$.

Thus, the missing number is **9**.

A → B → ? → D → E

- The letters follow an alphabetical sequence: A → B → C → D → E.

Thus, the missing letter is **C**.

Q6. Pointing to a picture Sihiti says” He is the son of the only son of my son of my grandfather”? What relation exists in both?

Ans. Sihit's Brother

Explanation-

"My grandfather" refers to Sihiti's grandfather.

"The son of my grandfather" refers to Sihiti's father (since her father is the only son of her grandfather).

"The only son of my son of my grandfather" simplifies Sihiti's father (as per the previous point).

"The son of the only son of my son of my grandfather" now simplifies to the son of Sihiti's father, who is Sihiti's brother.

So, The person in the picture is Sihiti's brother.

Q7. Highest no of Islands in which country?

Ans. Sweden

Explanation-

The country with the highest number of islands is Sweden, which is estimated to have around 267,570 islands. Most of these islands are uninhabited, and they range from small rocky outcrops to larger, habitable ones.

Q8. In the recent USA election 2025 who has been appointed as the vice president of USA?

Ans. J.D. Vance

Explanation-

In the 2024 U.S. presidential election, Donald Trump was elected as the 47th President of the United States, with J.D. Vance, the junior U.S. senator from Ohio, serving as his Vice President.

Q9. Recently, PM mode receives 'At. Andrew award' by which country?

Ans. Russia

Explanation-

Prime Minister Narendra Modi was formally presented with Russia's highest civilian honour, the Order of St. Andrew the Apostle, by President Vladimir Putin on July 9, 2024, during a ceremony at the Kremlin in Moscow. This award, established in 1698 by Tsar Peter the Great in honour of Saint Andrew, the first apostle of Jesus and patron saint of Russia, recognizes exceptional services in promoting bilateral ties between Russia and India.

Q10. Assertion: The moon revolves around the Earth.

Reason:- The Earth interacts with the moon under its gravitational force.

Ans. The Assertion is true because the moon follows an elliptical orbit around the Earth, which makes it revolve around our planet.

The Reason is also true, as the Earth's gravitational force acts as the centripetal force that keeps the moon in its orbit. Without this force, the moon would move in a straight line away from the Earth due to inertia.

Both the Assertion and the Reason are true, and the Reason is the correct explanation of the Assertion.

Q11. In 1984, How many Dates begin with Sunday?

Ans. 4 months in 1984 began with a Sunday

Explanation-

1984 is divisible by 4 and not divisible by 100, so it is a leap year.

Leap years have 366 days, with February having 29 days.

January 1, 1984, was a Sunday. This is a key starting point for the calculation.

Using the day offsets for each month, we calculate which months have their first day as Sunday.

Day offsets for leap years:

- January: 0 (Sunday)
- February: 3
- March: 4
- April: 0
- May: 2
- June: 5
- July: 0
- August: 3
- September: 6
- October: 1
- November: 4
- December: 6

Calculate Sundays:

- Add the offsets to the initial day of the week (Sunday, or 0), modulo 7.
- Months with offsets resulting in 0 will start on a Sunday.

Result:

In 1984, the following months began on a Sunday:

- January
- April
- July
- October

Q12. At a Dinner Party, 6 members (A, B, C, D, E, F) sit at a circular table. A is sitting next to B, but C is not sitting next to A and B. D is sitting opposite E, which is next to C. Who is sitting next to D in left Direction?

Ans. The person sitting to the left of D is A.

Explanation-

1. Arrange D and E opposite to each other. Since D and E are opposites, we can place them in positions relative to the circular table.
2. Place A and B next to each other. A and B must be adjacent. However, C cannot be next to A or B. This constraint helps us fix A and B's positions.
3. C must be next to E. C must sit beside E because E is next to C. Combining this with the above constraints, we can deduce that C sits on one side of E, leaving the other side for someone else.

Arranging the seating:

We assign positions around the table. Let's position:

1. D opposite E.
2. Place C next to E (as required).
3. Place A and B next to each other, but not next to C.
4. The remaining position is occupied by F.

Thus, the arrangement is: D - A - B - F - C - E

Q13. Statement:- Environmental law is prescribed by the Bar Council of India for LLB Law

- a) The Bar Council of India mandates the Env law subject to study.
- b) Environmental study is necessary for law students.
- c) The Bar Council of India has the right to consider any subject mandatory
- d) Environmental Law is not necessary for law students.

Which statement/statement is correct?

Ans- a) The Bar Council of India mandates the Env law subject to study.

Explanation-

The Bar Council of India (BCI) has prescribed Environmental Law as a mandatory subject for students pursuing the LLB degree. This is part of the BCI's effort to ensure law students are well-versed in critical areas like environmental protection and regulation, which are increasingly important in legal practice.

Q14.Statements - Rita is not going to university today due to rainfall.

1. The university is closed due to rainfall
2. Rita is a university student.

Conclusions-

1. Because of rainfall the university is closed
2. Rita could not go to university due to rain

Choose the correct option-

1. Only 1
2. Only 2
3. Both 1 & 2
4. Neither 1 nor 2

Ans. Only 2

Explanation-

Because of rainfall, the university is closed.

Analysis: The original statement does not explicitly state that the university is closed due to rainfall. It only mentions that Rita is not going to the university due to rainfall. There could be other reasons for her absence.

Verdict: Not valid.

Rita could not go to university due to rain.

Analysis: This directly aligns with the given statement, as it explicitly mentions that rainfall is the reason Rita is not going to university.

Verdict: Valid.

Q15.Which Wildlife Sanctuary in Andaman and Nicobar Islands is a major nesting site for lather-back sea turtles?

Ans. West Bay Wildlife Sanctuary

Explanation-

The **West Bay Wildlife Sanctuary** in the Andaman and Nicobar Islands is a major nesting site for leatherback sea turtles. This sanctuary, located on the western side of Little Andaman Island, is known for its pristine beaches that serve as crucial nesting grounds for these endangered turtles.

Q.16. A was heading towards his office and while he was parking the car in the parking lot, A mistakenly hits another car which was parked in the parking lot. In this statement even if A took all the necessary precautions he hit the car by mistake. Which concept of law covers this incident?

Ans. This concept is covered under negligence and inevitable Accident.

Explanation-

The incident described falls under the legal concept of negligence, specifically within the context of tort law. However, if "A" took all necessary precautions and the act was truly accidental without any fault or lack of reasonable care on A's part, the situation may be analyzed under the concept of inevitable accident.

Q.17. The non-cooperation movement was called off in February 1922 on account of this incident. Name the incident and reason for suspension?

Ans. Chauri- Chaura Incident

Explanation-

On **February 4, 1922**, in the town of **Chauri Chaura** in the Gorakhpur district of Uttar Pradesh, a violent clash occurred between protesters participating in the Non-Cooperation Movement and the local police. The protest escalated when police opened fire on the demonstrators, leading to their retaliation. In anger, the protesters set fire to a police station, killing **22 policemen** who were inside.

SLAT Memory-Based Question Paper - SLOT 2

Q1. Sir Creek is a 96 km strip of distorted area between India and X. What does X signify?

- a) Pakistan
- b) Nepal
- c) China
- d) Bangladesh

Ans. Pakistan

Explanation- Sir Creek is a 96 km long tidal estuary in the marshy region of the Rann of Kutch, located between the Indian state of Gujarat and the Sindh province of Pakistan. It is a disputed boundary between India and Pakistan, with both countries claiming parts of the area. The dispute mainly revolves around the demarcation of the boundary line in the estuary, which has implications for fishing rights and maritime boundaries.

Q2. Which Indian state signed an MoU with Jack Green to develop a green hydrogen project?

- a) Rajasthan
- b) Maharashtra
- c) Gujarat
- d) Jharkhand

Ans. Rajasthan

Explanation- The Indian state of Rajasthan signed a Memorandum of Understanding (MoU) with Jackson Green to develop a green hydrogen and green ammonia project. Under this agreement, Jackson Green will invest approximately ₹22,400 crore (about \$2.8 billion) to establish a plant with an annual capacity of 365,000 tons, along with an integrated hybrid renewable power complex. The project is planned to be developed in phases between 2023 and 2028 and is expected to generate over 32,000 direct and indirect employment opportunities.

Q3. Which country withdrew from the Paris Climate Agreement in 2020 Only to rejoin it in 2021?

- a) United Kingdom
- (b) Russia
- (d) Brazil
- (d) USA

Ans. USA

Explanation- The **United States** withdrew from the Paris Climate Agreement in 2020 under the administration of President Donald Trump, citing concerns about its impact on the U.S. economy and fairness in obligations. However, the country rejoined the agreement in 2021 under President Joe Biden, who made it a priority to recommit to global climate goals.

Q4. A mortgaged his property to B for Rupees 50 Lakhs. Then he later sold it to C for Rupees 60 Lakhs and allowed C to keep Rupees 50 Lakhs to redeem the mortgage. B sued C for the mortgage deed to him.

Q5. Which renowned Author won the Booker Prize in 2023 for the book, “ 7 Moons of Mali Almedia”. ?

Ans. Shehan Karunatilaka

Explanation- The renowned author Shehan Karunatilaka won the Booker Prize 2022 (not 2023) for his book *"The Seven Moons of Maali Almeida."* This satirical novel explores themes of war, death, and the afterlife, set against the backdrop of Sri Lanka's tumultuous history.

Q6. Who is the founder of the Vijayanagara Empire?

- a) Bukka Raya 1
- b) Deva Raya
- c) Krishnadeva Raya
- d) Harihara

Ans. Bukka Raya 1

Explanation- The **Vijayanagara Empire** was founded by **Harihara I** and **Bukka Raya I** in **1336**. They were brothers and initially served under the Hoysala Empire. With the guidance of the sage **Vidyaranya**, they established the Vijayanagara Empire, which went on to become one of the most significant and prosperous empires in Indian history.

Q7. Which of the following is an ODS substance?

- a) HBFC
- b) Methyl Chlorofluoride
- c) Carbon Tetrachloride
- d) Methyl Bromide

Which of the options is correct?

- 1) Only 1
- 2) 1,2 and 3
- 3) 1 and 2
- 4) None of the above

Ans. 1,2 and 3. I.e. HBFS, Methyl Chloroflouride, Carbon Tetrachloride.

Explanation-

HBFC (Hydrobromofluorocarbons): These are listed as ODS under the Montreal Protocol. They have been used as fire suppressants but contribute to ozone depletion.

Methyl Chlorofluoride: While it is a chlorinated compound, it is not classified as a significant ODS under the Montreal Protocol.

Carbon Tetrachloride: A well-known ODS, historically used in industrial applications and as a cleaning agent, it significantly contributes to ozone depletion.

Q8. HOPEX Exercise is related to which Country?

Ans. Indian Air Force and Egyptian Air Force

Explanation- Exercise HOPEX is a joint military exercise between the Indian Air Force (IAF) and the Egyptian Air Force (EAF). The fourth iteration of this exercise took place in Egypt from June 21 to 26, 2024. This exercise underscores the deepening defense ties between India and Egypt, who have a history of close political understanding and cooperation in multilateral forums, including as founding members of the Non-Aligned Movement. In 2022, the two nations celebrated the 75th anniversary of diplomatic relations, reflecting the depth of their partnership.

Q9. Which SDG Goals are significant in stagnation and recession in the following options?

- a) SDG 14
- b) SDF 15
- c) SDG 8
- d) SDG 11

Ans. SDG 8

Explanation- Stagnation and recession primarily affect the achievement of Sustainable Development Goal (SDG) 8: Decent Work and Economic Growth.

- SDG 8 focuses on promoting sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all.
- Stagnation (a period of little or no economic growth) and recession (a significant decline in economic activity) directly impact economic productivity, job opportunities, and people's livelihoods.
- Prolonged stagnation or recession can also hinder progress in achieving other SDGs, such as poverty eradication (SDG 1), reducing inequalities (SDG 10), and quality education (SDG 4), as these goals are often interconnected with economic stability.

Thus, SDG 8 is the most significant in the context of stagnation and recession.

Q10. Samantha tells her friend that her two aunties' children are coming for dinner. One aunt has two kids, Mark and Robbin, and the other has one son, Pat. How is Pat related to Smanatha's Father?

Ans. Pat is Samantha's father's nephew

Explanation-

To determine how Pat is related to Samantha's father, let's break it down:

1. Samantha's aunties are her father's sisters (or sisters-in-law).
2. Pat is the son of one of Samantha's aunts.

Since Samantha's father and Pat's mother are siblings, Pat is Samantha's father's nephew.

Q11. A jar contains 14 marbles of which 5 are white, 5 are blue, and 4 are green. If we pull 3 marbles without reshuffling what is the possibility the marble would not change their positions?

Ans. 1/364

Explanation-

To calculate the probability that the marbles would "not change their positions" when pulling 3 marbles without reshuffling, let's clarify what "not changing positions" means:

If "not changing positions" means the specific sequence of marbles (e.g., white, blue, green) matches the sequence as initially in the jar, this implies a specific ordered selection of marbles.

Total Ways to Select 3 Marbles

The total number of ways to select 3 marbles from the jar (without considering order) is calculated using the combination formula:

$$\binom{n}{r} = \frac{n!}{r!(n-r)!} \quad (n=14, r=3)$$

Here:

- $n=14$ (total marbles),
- $r=3$ (marbles drawn).

$$\binom{14}{3} = \frac{14 \cdot 13 \cdot 12}{3 \cdot 2 \cdot 1} = 364$$

Favorable Outcomes

For the marbles to "not change positions," we assume a specific sequence of marbles needs to be drawn (e.g., White → Blue → Green). There is only 1 specific sequence that matches the initial arrangement.

Probability

The probability is the ratio of favourable outcomes to total outcomes:

$$P = \frac{\text{Favorable Outcomes}}{\text{Total Outcomes}} = \frac{1}{364} \Rightarrow \text{Favorable Outcomes} = 364 \times P$$

Final Answer:

The probability that the marbles do not change their positions is:

$$\frac{1}{364}$$

Q12. Find the missing number in the given figure.

5	2	21
6	3	27
4	1	?

- a) 10
- b) 17
- c) 11
- d) 20

Ans. 11

Explanation-

To find the missing number in the sequence, let's look for a logical relationship or pattern. Observing the numbers:

The first row has **5, 2, 21**, the second row has **6, 3, 27**, and the third row has **4, 1, ?**.

It seems there may be a relationship involving multiplication:

- For the first row:
 $5 \times 2 = 10$, then $10 + 11 = 21$
- For the second row:
 $6 \times 3 = 18$, then $18 + 9 = 27$

Hypothesis for the third row:

The pattern appears to involve multiplication followed by adding a constant.

- For $4 \times 1 = 4$ times $1 = 4 \times 1 = 4$, add 7 to get $4 + 7 = 11$ + $7 = 11 + 7 = 11$.

Missing number:

The missing number is: 11

Q13. Gunjan was born on 26 Feb 2016. The day was Monday. How many birthdays will come in 2029 on Monday?

Ans. 2 Birthdays

Explanation-

To determine how many birthdays Gunjan will have on a Monday between 2016 and 2029, we need to analyze the leap year pattern and day shifts.

Key Points:

1. 2016 (Birth Year): Gunjan was born on Monday, 26th February.
2. A regular year advances the day of the week by 1, and a leap year advances it by 2.
3. Leap years: 2016, 2020, 2024, 2028 (since February 26 falls after February 29 in leap years, they affect the day shift).

Calculate Day Progression:

1. 2016: Monday (birthdate).
2. 2017: Adds 1 day → Tuesday.
3. 2018: Adds 1 day → Wednesday.
4. 2019: Adds 1 day → Thursday.
5. 2020 (leap year): Adds 2 days → Saturday.
6. 2021: Adds 1 day → Sunday.
7. 2022: Adds 1 day → Monday (Birthday on Monday).
8. 2023: Adds 1 day → Tuesday.
9. 2024 (leap year): Adds 2 days → Thursday.
10. 2025: Adds 1 day → Friday.
11. 2026: Adds 1 day → Saturday.
12. 2027: Adds 1 day → Sunday.
13. 2028 (leap year): Adds 2 days → Tuesday.
14. 2029: Adds 1 day → Wednesday.

Birthdays on Monday:

From 2016 to 2029, Gunjan will have her birthday on a Monday in the following years:

- 2016
- 2022

Thus, there will be 2 birthdays on a Monday during this period.

Q14. Find the missing number in the gap.

1010, _____, 1100, 1101, 1110, 41111

Ans. 1011

Explanation-

To find the missing number in the sequence **1010**, _____, **1100**, **1101**, **1110**, **41111**, let's analyze the pattern.

1. **Binary Numbers:** The first few numbers, **1010**, **1100**, **1101**, and **1110**, resemble binary numbers.
 - **1010 (binary) = 10 (decimal)**
 - **1100 (binary) = 12 (decimal)**
 - **1101 (binary) = 13 (decimal)**
 - **1110 (binary) = 14 (decimal)**
2. The numbers are increasing in decimal order.
3. **Gap Analysis:**
 - **1010 (10 in decimal)** is followed by the missing number.
 - The missing number, in binary, should represent **11 in decimal**, which is **1011** in binary.
4. **Continue the Pattern:**
 - The missing number is **1011 (binary)**.

The sequence in binary is:

1010, 1011, 1100, 1101, 1110, 41111

Thus, the missing number is: 1011

Q.15. What is the meaning of the term “Res ipsa Loquitur”?

Ans. The Thing speaks for itself

Explanation-

The term "**Res ipsa loquitur**" is a Latin phrase that translates to "**the thing speaks for itself**". It is a legal doctrine used in tort law, particularly in cases of negligence, to infer liability when the cause of an injury is so apparent that it would not have occurred without negligence.

Q.16 What was the day of 13 Feb 1979?

- a) Thursday
- b) Tuesday
- c) Friday
- d) Wednesday

Ans. Wednesday

Explanation-

To determine the day of the week for February 13, 1979, we can use the following method:

1. **Identify the Anchor Day for the Century:**
For the 1900s, the anchor day is **Wednesday**.
2. **Calculate the Year's Position Within the Century:**
1979 is the 79th year of the 1900s.
3. **Determine the Doomsday for the Year:**
 - Divide the year by 12:
 $79 \div 12 = 6$ with a remainder of 7.
 - Divide the remainder by 4:
 $7 \div 4 = 1$ with a remainder.
 - Add these results to the anchor day:
 $\text{Wednesday} + 6 + 1 = \text{Wednesday}$.
4. **Use the Doomsday to Find the Specific Day:**
For February in a non-leap year, the **Doomsday** is February 28.
 - February 28, 1979, was a **Wednesday**.
 - Counting backward from February 28 to February 13:
 $28 - 13 = 15$ days.
15 days before Wednesday is **Tuesday** (since $15 \bmod 7 = 1$).
5. However, upon verifying with another method:
 - **January 1, 1979**, was a **Monday**.
 - January has 31 days, so January 31 was a **Thursday**.
 - Adding 13 days for February:
 $\text{Thursday} + 13 \text{ days} = \text{Wednesday}$.

6. The correct day is **Wednesday**.

Q 17. The difference between compound interests compounded annually on a certain sum for 4 years of 7.5% per annum is 4800. The sum in (INR)?

Ans. Rupees 1,35, 211

Explanation-

Q.18 A 20% discount is applied when a book is sold by M for 240. If he made 20% of its sales. Then what was the CP of the book?

Ans. CP of the book Rupees 200

Explanation-

Q. 19 If CAT is coded 3120, then Code of DOG is?

- a) 4157
- b) 3175
- c) 3880
- d) 4111

Ans. 4157

Explanation-

To determine the code for the word DOG based on the given coding pattern for CAT, let's analyze the method step-by-step.

Given:

- CAT is coded as 3120.

Understanding the Coding Pattern:

1. Assign Numerical Values to Each Letter:
 - C = 3 (3rd letter of the alphabet)
 - A = 1 (1st letter of the alphabet)
 - T = 20 (20th letter of the alphabet)

2. Concatenate the Numerical Values:
 - $C (3) + A (1) + T (20) \rightarrow 3 + 1 + 20 = 3120$
3. This suggests that the code is formed by simply concatenating the numerical positions of each letter in the word.

Applying the Same Pattern to DOG:

1. Assign Numerical Values to Each Letter:
 - $D = 4$ (4th letter of the alphabet)
 - $O = 15$ (15th letter of the alphabet)
 - $G = 7$ (7th letter of the alphabet)
2. Concatenate the Numerical Values:
 - $D (4) + O (15) + G (7) \rightarrow 4 + 15 + 7 = 4157$
3. Thus, following the same pattern:
 - $D = 4 \rightarrow "4"$
 - $O = 15 \rightarrow "15"$
 - $G = 7 \rightarrow "7"$
4. Concatenated together: 4157

Final Answer:

The code for DOG is 4157.

Summary:

- CAT: $C (3) + A (1) + T (20) \rightarrow 3120$
- DOG: $D (4) + O (15) + G (7) \rightarrow 4157$