**Letter Series for MAH MCA CET Exam**

**1. What is a Letter Series?**

A **letter series** is a sequence of letters arranged in a pattern. The task is to find the missing letter(s) by identifying the logic behind the pattern.

**2. Commn Types of Letter Series and How to Solve Them**

**(A) Alphabetic Order Series**

* The letters follow the **English alphabetical sequence**.

✅ **Example 1:** **A, B, C, D, ?**  
**Pattern:** +1 (A → B → C → D → **E**)  
**Answer:** **E**

✅ **Example 2:** **L, M, N, O, ?**  
**Pattern:** +1 (L → M → N → O → **P**)  
**Answer:** **P**

**(B) Skip Letter Series**

* Letters skip one or more positions in the alphabet.

✅ **Example 1:** **A, C, E, G, ?**  
**Pattern:** +2 (A → C → E → G → **I**)  
**Answer:** **I**

✅ **Example 2:** **B, E, H, K, ?**  
**Pattern:** +3 (B → E → H → K → **N**)  
**Answer:** **N**

**(C) Reverse Alphabet Series**

* Letters move in **reverse alphabetical order**.

✅ **Example 1:** **Z, X, V, T, ?**  
**Pattern:** -2 (Z → X → V → T → **R**)  
**Answer:** **R**

✅ **Example 2:** **M, K, I, G, ?**  
**Pattern:** -2 (M → K → I → G → **E**)  
**Answer:** **E**

**(D) Alternate Letter Series**

* Two or more sequences run parallelly.

✅ **Example 1:** **A, Z, B, Y, C, ?**  
**Pattern:** First series → A → B → C  
Second series → Z → Y → **X**  
**Answer:** **X**

✅ **Example 2:** **P, O, Q, N, R, M, ?**  
**Pattern:**

* First sequence: P → Q → R → **S** (+1)
* Second sequence: O → N → M → **L** (-1)  
  **Answer:** **S, L**

**(E) Number-Based Letter Series**

* The letters are replaced by their **positions in the alphabet**.

✅ **Example 1:** **C, F, I, L, ?**  
**Pattern:** **3rd, 6th, 9th, 12th, 15th letter**  
**Answer:** **O** (O is the 15th letter)

✅ **Example 2:** **B, E, H, K, ?**  
**Pattern:** +3 (B → E → H → K → **N**)  
**Answer:** **N**

**(F) Mixed Pattern Series**

* A combination of different rules.

✅ **Example 1:** **A, D, I, P, ?**  
**Pattern:** +3, +5, +7, +9  
**Answer:** **Y**

✅ **Example 2:** **B, D, G, K, ?**  
**Pattern:** +2, +3, +4, +5  
**Answer:** **P**

**3. MCQs with Solutions**

**1️⃣ Find the missing letter:**  
**B, D, G, K, ?**  
a) O  
b) M  
c) P  
d) Q  
✅ **Answer:** **c) P** (Pattern: +2, +3, +4, +5)

**2️⃣ What comes next?**  
**Z, X, V, T, ?**  
a) Q  
b) R  
c) S  
d) P  
✅ **Answer:** **b) R** (-2 pattern)

**3️⃣ Identify the missing letter:**  
**A, C, F, J, O, ?**  
a) S  
b) T  
c) U  
d) V  
✅ **Answer:** **c) U** (+2, +3, +4, +5)

**4️⃣ What comes next in this series?**  
**M, K, I, G, ?**  
a) D  
b) E  
c) F  
d) H  
✅ **Answer:** **b) E** (-2 pattern)

**5️⃣ Find the missing letter:**  
**C, F, I, L, ?**  
a) O  
b) P  
c) Q  
d) R  
✅ **Answer:** **a) O** (+3 pattern)

**4. Quick Tips to Solve Letter Series Fast**

✅ **Step 1:** Check for **alphabetical order (+1, -1, +2, etc.)**  
✅ **Step 2:** Look for **skip patterns (+2, +3, etc.)**  
✅ **Step 3:** Identify **reverse or alternating sequences**  
✅ **Step 4:** Convert letters to **numbers** for easier analysis  
✅ **Step 5:** **Practice regularly** with mock tests

**5. Practice Questions for You**

Try these and let me know your answers! 😊

**1️⃣ Find the missing letter:**  
**D, G, J, M, ?**

**2️⃣ What comes next?**  
**Y, W, U, S, ?**

**3️⃣ Identify the missing letter:**  
**A, C, F, J, O, ?**

**4️⃣ What comes next in this series?**  
**B, F, J, N, ?**

**5️⃣ Find the missing term:**  
**L, M, O, R, ?**