

By. Er. Dharmendra Sir

7974073108, 9584873492

# **DPM CLASSES**

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---

**TEST - PAPER (CBSE/NCERT)**

## **ARITHMETIC PROGRESSIONS**

**SESSION -2024-25**

**CLASS - 10<sup>th</sup>**

**JOIN TODAY FOR ADVANCE CONCEPTS**

**ONLY IN ₹2000 PER MONTH**

**MRP: ₹ 100/- ONLY**

**ALSO, BASIC CONCEPTS CLASSES IN SUMMER**

**VACATION Apr, May & Jun (Every Year)**

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Time : 1:30hr

Arithmetic progression

mm : ~~90~~ 65.

- Q.1. Which term of the AP  $21, 18, 15, \dots$  is  $-81$ ?
- Q.2. Find the  $31^{\text{st}}$  term of an AP whose  $11^{\text{th}}$  term is 38 and the  $16^{\text{th}}$  term is 73.
- Q.3. If the  $3^{\text{rd}}$  and  $9^{\text{th}}$  terms of an AP are 9 and -8 respectively. Which term of this AP is zero.
- Q.4. How many multiples of 4 lie between 10 and 250?
- Q.5. Find the Sum of AP :  
 $34 + 32 + 30 + \dots + 10$
- Q.6. How many terms of AP :  $9, 17, 25, \dots$  must be taken to give a sum of 636?
- Q.7. The first term of an AP is 5, the last term is 45 and the sum is 400. Find the number of terms and the common difference.
- Q.8. The first and last terms of an AP are 17 and 350 respectively. If the common difference is 9. how many terms are there and what is their sum?

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---

Q.9. If the sum of the first  $n$  terms of an AP is  $4n - n^2$ . What is the first term (that is  $S_1$ )? What is the sum of first two terms? What is the second term? Similarly find the 3rd, the 10th and  $n$ th terms.



Q.10. If the sum of the first 14 terms of an AP is 1050 and its first term is 10. Find the 20th term.

Q.11. A sum of ₹ 700 is to be used to give seven cash prizes to student of a school for their overall academic performance. If each prize is ₹ 20 less than its preceding prize, find the value of each of the prizes.

Q.12. The sum of the fourth and 8th term of an AP is 24 and the sum of the 6th and 10th term is 44. Find the first three terms of an AP.

Q.13. Find the sum of odd numbers b/w 0 and 50.



By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---





By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---



By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---



By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---



By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---





By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---



By. Er. Dharmendra Sir

7974073108, 9584873492

# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

---

