By. Er. Dharmendra Sir 7974073108, 9584873492

DPM CLASSES

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

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## TEST - PAPER (CBSE/NCERT)

# FACTORISATIONS

## SESSION -2024-25

## CLASS - 8th

JOIN TODAY FOR ADVANCE CONCEPTS

ONLY IN ₹1000 PER MONTH

MRP: ₹ 100/- ONLY

ALSO, BASIC CONCEPTS CLASSES IN SUMMER

VACATION Apr, May & Jun (Every Year)

Add: Block -B, Near Glory Villa, 60 feet Road (Nearest land mark Scindia Statue), Shatabdipuram, Gwalior

Time : 1 hr -: Factorisation :- mm :

Q.1. Factorise the following expressions :-

(i) $-4a^2+4ab-4ca$ (ii) $7a^2+14a$

Q.2. Factorise :

(i) $x^2+xy+8x+8y$ (iii) $ax+bx-ay-by$

Q.3. Factorise :

(i) $49y^2+84yz+36z^2$

(ii) $(l+m)^2-4lm$

Q.4. Factorise :

(i) $(x^2-2xy+y^2)-z^2$

(ii) $25a^2-4b^2+28bc-49c^2$

Q.5. Factorise :

(i) $y(y+z)+9(y+z)$

(ii) $6xy-4y+6-9x$

Q.6. Factorise:

(i) $p^4 - 81$ (ii) $p^2 + 6p - 16$

Q.7. Divide the given polynomial by the given monomial.

(i) $(3y^8 - 4y^6 + 5y^4) \div y^4$

(ii) $(5x^2 - 6x) \div 3x$

Q.8. Division:

(i) $(10x - 25) \div 5$ (ii) $(10x - 25) \div (2x - 5)$

Q.9. Divide:

(i) $20(y+4)(y^2+5y+3) \div 5(y+4)$

(ii) $26xy(x+5)(y-4) \div 13x(y-4)$

Q.10. Factorise and divide:

(i) $(m^2 - 14m - 32) \div (m+2)$

(ii) $4yz(z^2 + 6z - 16) \div 2y(z+8)$

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