



## Assignment

**ABHYAS Academy,**Near Govt. College, Nishat Cinema Road,  
Ambala Cantt., Haryana (India)

Phone: +91-171-2631595, +91-9416541198

e-Mail: anusethi1968@yahoo.com

[www.abhyasonline.in](http://www.abhyasonline.in)

Date: \_\_ / \_\_ / \_\_

Name: \_\_\_\_\_

Max Marks: 20

**Section- A (Two Marks Each)**

- 1 Find the common factors of the given terms.
  - 1)  $6abc, 24ab^2, 12a^2b$
  - 2)  $3x^2y^3, 10x^3y^2, 6x^2y^2z$
- 2 Factorize the following expressions.
  - 1)  $20l^2m + 30alm$
  - 2)  $5x^2y - 15xy^2$
- 3 Factorize the following expression:
  - 1)  $x^2yz + xy^2z + xyz^2$
  - 2)  $ax^2y + bxy^2 + cxyz$
- 4 Factorize:  $a^2 - 2ab + b^2 - c^2$

**Section-B (Three Marks Each)**

- 5 Factorize:
  - 1)  $1x^2 + xy + 8x + 8y$
  - 2)  $15pq + 15 + 9q + 25p$
  - 3)  $z - 7 + 7xy - xyz$
- 6 Factorize the expression:
  - 1)  $p^2 - 36p + 99$
  - 2)  $y^2 - 11y + 24$
- 7 Factorize the expression:
  - 1)  $10a^2 - 83a - 17$
  - 2)  $2x^2 - 35x - 18$
- 8 Factorize the expression:
  - 1)  $z^2 + 13z - 90$
  - 2)  $n^2 + 17n - 60$



## Assignment

**ABHYAS Academy,**Near Govt. College, Nishat Cinema Road,  
Ambala Cantt., Haryana (India)

Phone: +91-171-2631595, +91-9416541198

e-Mail: anusethi1968@yahoo.com

[www.abhyasonline.in](http://www.abhyasonline.in)

Date: \_\_ / \_\_ / \_\_

Name: \_\_\_\_\_

Max Marks: 20

**Section- A (Two Marks Each)**

- 1 Find the common factors of the given terms.
  - 1)  $6abc, 24ab^2, 12a^2b$
  - 2)  $3x^2y^3, 10x^3y^2, 6x^2y^2z$
- 2 Factorize the following expressions.
  - 1)  $20l^2m + 30alm$
  - 2)  $5x^2y - 15xy^2$
- 3 Factorize the following expression:
  - 1)  $x^2yz + xy^2z + xyz^2$
  - 2)  $ax^2y + bxy^2 + cxyz$
- 4 Factorize:  $a^2 - 2ab + b^2 - c^2$

**Section-B (Three Marks Each)**

- 5 Factorize:
  - 1)  $1x^2 + xy + 8x + 8y$
  - 2)  $15pq + 15 + 9q + 25p$
  - 3)  $z - 7 + 7xy - xyz$
- 6 Factorise the expression:
  - 1)  $p^2 - 36p + 99$
  - 2)  $y^2 - 11y + 24$
- 7 Factorise the expression:
  - 1)  $10a^2 - 83a - 17$
  - 2)  $2x^2 - 35x - 18$
- 8 Factorise the expression:
  - 1)  $z^2 + 13z - 90$
  - 2)  $n^2 + 17n - 60$