



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

Date: __ / __ / __

Name: _____

Max Marks: 25

Section- A (One Marks Each)

- 1 Factorize: $x^4 - y^4$
- 2 Factorize the following expression: $8(p-8q)^2 - 6(p-8q)$
- 3 Factorize the given expressions: $12x^2 - 23xy + 10y^2$
- 4 Factorize: $49a^2b^2 - 64c^2$

Section-B (Two Marks Each)

- 5 Find the highest common factor of: a) x^2y and xy b) $6x^2y^2$ and $2x^2y$
- 6 Factorize $18a^2b^3c - 12abc + 24ab^2c^2$ and divide it by $6abc$.
- 7 Factorize each of the algebraic expressions: $49 - x^2 - y^2 + 2xy$
- 8 Simplify the following: a) $(x+5)(x+3)$ b) $(x-10)(x-5)$

Section-C (Three Marks Each)

- 9 Factorize the following expression: a) $5y^2 - 20y + 8z - 2yz$ b) $ab - bx + ay - xy$
- 10 Find the highest common factor of: a) $12x^2$ and $16y^3$ b) $18a^2b^2$ and $-24ab$
a) $90a^2bc$ and $81bc$.
- 11 Factorize the following (using the H.C.F): a) $p^4q^3r^2 + p^2q^4r^3 + p^3q^2r^4$
b) $-10a^3b - 30ab^3 - 20a^3b^3$ c) $x^3 + x^2 + x + 1$.

Section-D (Four Marks Each)

- 12 Factorize the following the (using the H.C.F): a) $56x^2y^2 - 14x^2$ b) $x^2/9 - y^2/16$



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