# €•‚ƒ„…†‡ˆ (NUMBER SYSTEM)

## ‰‡Šˆ : €•‚ƒ„…†‡ˆ (Number System) ‹ ‡Œ•Ž ••€‘…Š“”„•–„–Ž :

€•‚ƒ„…†‡ˆ (Number System)

## €•‚ƒ„…†‡ˆ ˜ƒ„ŒŠ™

### ›„–œˆ– €•‚ƒ„ (Natural Number):-

### …Š“€•‚ƒ„•‹(Whole Numbers):-

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[redacted]

## …Š„ž€•‚ƒ„Ÿ (Integers Number):-

## ¡„¢ˆ‡¡–€•‚ƒ„ (Real no.):-

## €•€•‚ƒ„••‹(Even numbers):‹

## ‡¡£••€•‚ƒ„••‹(Odd numbers):‹

## ¤„¥ƒ€•‚ƒ„ (Co-Prime Numbers):‹

## ¦¤„¥ƒ€•‚ƒ„ (Prime Numbers or Composite Number):‹

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## ...‡–•ƒ €•‚ƒ„Ÿ (Rational Number):-

## ¦ ...‡–•ƒ €•‚ƒ„Ÿ (Irrational Number):-

π , √7 .....

## ¡„¢^‡¡– €•‚ƒ„Ÿ (Real Number):-

π , √7 .....

## •§•¨¡ ‡¤©• (Decimal Fraction):-

## ¦ ‡ª¤„¥ƒ €•‚ƒ„Ÿ (Prime Triplet Number):-

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## •Œ®¡…Š“€•¯…•„Ÿ °–‡•ƒ• (Key Concepts & Rules)

- €• €•‚„ (Even Numbers):
- ‡¡£• €•‚„ (Odd Numbers):
- ¦¤„¥ƒ €•‚„ (Prime Numbers):

- €•‰±€•‚„ (Composite Numbers):
- …‡–…Š“€•‚„ (Perfect Number):

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## –²³ •Œ® ¡ …Š“€ª (Important Formulas)

- › ´ • n ›„–œ˜ – €•‚ƒ„ µ •–„ƒ¶‰ :
- › ´ • n ‡¡£• €•‚ƒ„ µ •–„ƒ¶‰ :
- › ´ • n €• €•‚ƒ„ µ •–„ƒ¶‰ :
- •¶ €•‚ƒ„ µ •–„ LCM ° – HCF:

## ›‡ˆƒ¶‰Ž …–Ž · „ µ •— ‡¨Ÿ ‡¸™€ (Short Tricks for Competitive Exams)

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## ‡•º–£“(Conclusion)

## FAQ Question and Answe3

**Que. €•; ƒ„ ›Š„ ¨Ž – › –„– ˜ƒ„ Œš**
**Ans.**

**Que. ‰‡Š^ –Ž €•; ƒ„ ›Š„ ¨Ž ˜ƒ„ Œš™**
**Ans.**

**Que. ...„¼ •², ƒ › –„– –Ž €•; ƒ„Ÿ•–½• €Ž Œš**
**Ans.**

**Que. §©ƒ ‡–€ › –„– –Ž €•; ƒ„ Œ¶^Ž Œš™**
**Ans.**

**Que. 2 Ÿ– ...‡–•ƒ €•; ƒ„ ˜ƒ¶•Œš™**
**Ans.** **Ÿ– ...‡–•ƒ €•; ƒ„ p/q – èR ð•Œ¶^Ž Œ™ Œq**
**§©ƒ – ð–„¿– •ŒŽ•Œ¶^„**

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# ¿Œ¢¡ –¯…Žƒ ›À• (Multiple Choice Questions)

**Ques. 1: €¿€-¿ÁŽ 3 ¦•¶•–Ž €•‚ƒ„ ”¶ 12, 15, 18 €-‡¡¤„¥ƒ Œ¶š**

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**Ques. 2: –¶Â €•‚ƒ„ ‡”€-2 €-¤„‰ •–-…– §£ 1, 3 €-¤„‰ •–-…– §£ 2, °–5 €-¤„‰ •–-…– §£ 4 Ã ˆ„ŒŠ**

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**Ques. 3: ƒ‡• 40% = 28, ˆ¶ €•‚ƒ„ ˜ƒ„ Œ¶‰žš**

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**Ques. 4: ƒ‡• 2x + 3y = 12 °– x + y = 4, ˆ¶ x = ?**

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**Ques. 5: €¿€- ³ ¶¸Ž €•‚ƒ„ ”¶ 8, 12, 20 €-‡¡ ¤„¥ƒ Œ™‡–• 25 €-•ŒŽš**

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**Ques. 6: ƒ‡• x = 3 ° – y = 2, ˆ¶ xÄ - yÄ –„ •„•š**

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**Ques. 7: ƒ‡• Ÿ– €•‚ƒ„ Å 11 - 132 = 220, ˆ¶ ¡Œ €•‚ƒ„ ˜ƒ„ŒŠ™**

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**Ques. 8: ƒ‡• A = 2/3 ° – B = 4/5, ˆ¶ A : B = ?**

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**Ques. 9: €¿€- ³ ¶¸Ž €•ƒ„ ”¶ 4, 6, 9 €-‡¡ ¤„¥ƒ Œ™…–•ˆ²5 €-•ŒŽš**

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**Ques. 10: Ÿ– €•ƒ„ –¶ 8 €-¤„‰ •–-…– §£Æ¨ 3 ŒÇ™È€-4 €-¤„‰ •–-…– §£Æ¨ ˜ƒ„ Œ¶‰„š**

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**Ques. 11: •¶ ¦•¶•–Ž –½• €Ž €•ƒ„ Œ™‡” €–„ ƒ¶‰ 9 ° – ¦•ˆ– 1 Œ™**

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**Ques. 12: ƒ‡• €•ƒ„ É 9 –„ §£Æ¨ 7 Œ™ˆ¶ È€ €•ƒ„ –„ 9 €-‡•–¸ˆ• ³¶¸„**

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**Ques. 13: 1 €-100 ˆ– ‡– ˆ•Ž …Š“¡ ‰“€•; ƒ„Ÿ Œ›Š**

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Ques. 16: ƒ‡• –¶Â €•‚ƒ„ 2, 3, 4, ° – 6 €-‡¡ ¤„¥ƒ Œ™ˆ¶ ¡Œ ‡–€€-¤Ž ‡•‡À¼ˆ ¾… €-‡¡ ¤„¥ƒ Œ¶‰ŽŠ

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Ques. 17: ˆŽ• ¦•-¶•–Ž €¿€- ³ ¶¸Ž €•‚ƒ„ ”¶ 5, 6 ° – 8 €-‡¡ ¤„¥ƒ Œ¶Š

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Ques. 18: ƒ‡• x = 3 ° – y = 4 Œ¶‚ ˆ¶ (xÊ + yÊ)/(x - y) –„ •„• ˜ƒ„ ŒŠ™

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Ques. 19: Ÿ– €•‚ƒ„ –¶ 5 €-¤„‰ •-•-...– §£ 3 Ã ˆ„ ŒÇ™ƒ‡• È€ ••2 Ë¸„ƒ„ ”„Ÿ ˆ¶ ¡Œ ‡–€€-‡¡ ¤„¥ƒ Œ¶‰ŽŠ

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**Ques. 20: Ÿ– €•‚ƒ„ –¶ 7 €-¤„‰ •–-…– §£Æ¨ 4 Ã ˆ„ ŒÇ™ƒ‡• È€ ••3 ”¶Á„ ”„Ÿ ˆ¶ ¡Œ 7 €-‡¡ ¤„¥ƒ ŒÇ™¡Œ €•‚ƒ„ ˜ƒ„ Œš™**

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# FAQ Question and Answer :

**Que. €•‚ƒ„ ›Š„¨Ž –4 › –„– ˜ƒ„ Œš**
**Ans.**

**Que. ‰‡Šˆ –Ž €•‚ƒ„ ›Š„¨Ž ˜ƒ„ Œš™**
**Ans.**

**Que. …„¼ •², ƒ › –„– –Ž €•‚ƒ„Ÿ•–½• €Ž Œš**
**Ans.**

**Que. §©ƒ ‡–€ › –„– –Ž €•‚ƒ„ Œ¶ˆŽ Œš™**
**Ans.**

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**Que. 2 Ÿ– ...‡–•ƒ €•; ƒ„ ˜ƒ¶•ŒŠ™**

**Ans.** **Ÿ– ...‡–•ƒ €•; ƒ„ p/q –¾... ••Œ¶ˆŽ Œ™Œ„ q**

**§©ƒ –¿–„¿– •ŒŽ•Œ¶ˆ„**

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