

2 0 1 2

PHYSICS

(Major)

Paper : 2.1

Full Marks : 60

Time : 2½ hours

*The figures in the margin indicate full marks
for the questions*

GROUP—A

(Mathematical Methods)

(Marks : 35)

1. Answer the following questions : 1×4=4

(a) What are coordinate curves in curvilinear coordinate system?

(b) What is the value of $\oint_C \vec{\nabla} \cdot (\vec{\nabla} \times \vec{A}) d\vec{l}$?

(c) Define scale factors in curvilinear coordinates.

(d) Write the value of $\Gamma(1)$.

Gauhati University Physics Degree Semester Question Paper

Lauren Gardner



Gauhati University Physics Degree Semester Question Paper:

Decoding **Gauhati University Physics Degree Semester Question Paper**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Gauhati University Physics Degree Semester Question Paper**," a mesmerizing literary creation penned by a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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