

Sessional Examination 2023

Sub: Physics

Paper: PHY-HC-4016

TIME: 1 hour

FULL MARKS: 20

1. What is rank of tensor? Obtain the expression for covariant and contravariant tensor. 2+5
2. What are the tensorial characters of physical quantities? 3
3. Write the difference between symmetric and antisymmetric tensor. 5
4. Show that the sum and difference of two tensors of the same rank results in a third tensor of the same rank. 5