



جامعہ اردو ہند JAMIA URDU HIND

STATE'S MADRASA TUL OLOOM FOR RESEARCH IN URDU LANGUAGE OF NATIONAL IMPORTANCE

Recognized by Statutory Bodies, Minority Commission, Ministry of Social Justice & Empowerment and Ministry of HRD, Govt of India

MAIN EXAMINATION OF JAMIA URDU HIND 2014

INSTRUCTIONS:

ALL QUESTIONS ARE COMPULSORY AND CARRY EQUAL MARKS.

TOTAL NO OF QUESTIONS ARE FIVE.

TOTAL DURATION OF EXAMINATION IS TWO HOURS(2 HOURS).

INTERMEDIATE EXAMINATION (XII STANDARD)

PHYSICS

Time : 2 Hrs

Max. Marks :100

1. (a) Explain Raman Effect with the help of energy level diagram
(OR)
(b) Derive an expression for electric potential at a point due to an electric dipole.
Explain the special cases
2. (a) Explain Millikan's oil drop experiment to determine the charge of an electron.
(OR)
(b) State the principle and explain the construction and working of van de Graaff generator.
3. (a) Explain in detail the principle, construction and working of a cyclotron
(OR)
(b) Sketch the circuit of a Colpitts oscillator and explain its working
4. (a) Explain emission and absorption spectra.
(OR)
(b) Explain the functional block diagram of a monochromatic TV receiver
5. (a) Explain the role of Minority Community in maintaining communal harmony in Indian Society.
(OR)
(b) Discuss the methods to develop Minority Community in India?