



# 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).

## SECONDARY EDUCATION (X-STANDARD)

### SCIENCE

**TIME: 2 hrs**

**TOTAL MARKS: 100**

1. What is genetic engineering? What are the uses of genetic engineering?

(or)

Suggest the immunization schedule for a baby in the first six months. What are all the diseases that can be cured as per the schedule?

2. Tabulate any 5 vitamins, their deficiency, diseases and symptoms.

(or)

Is there any fruit formed without the act of fertilization? Represent the classification of fruits in a diagrammatic sketch.

3. List out the differences between atoms and molecules. Find the number of molecules in copper containing  $12.046 \times 10^{22}$ .

(or)

Define esterification. Give its chemical reaction. Write any two uses of ethanol.

4. Ethanoic acid reacts with carbonates and bicarbonates. Write the balanced equation. Give three uses of ethanoic acid.

(or)

Newton's first law of motion gives a qualitative definition of force. Justify.

5. Whether minority people are underrepresented in Science? Explain in detail.

(or)

Explain in detail how Dr. Abdul Kalam set a role model in development of minorities in science field.