

# VIDYARTHI VIGYAN MANTHAN (VVM) 2020-21

## National Level Examination (NLE)

### Indian Contribution and Advancement in Science and Technology (ICAST)

#### MULTIPLE CHOICE QUESTIONS (SECTION-A) and ONLINE PERSONAL INTERACTION (SECTION-C)

#### SENIOR GROUP (IX, X & XI)

For Senior Level following two topics are assigned -

- (1) Indian contribution to **Atomic Energy**
- (2) **Agriculture** in Our Country

SUBTOPICS FOR MCQS FROM INDIAN CONTRIBUTION TO ATOMIC ENERGY		
NO.	SUBTOPICS	SCOPE OF THE SUBTOPIC
1	What is Atomic Energy?	Historical background with respect to the Indian context, Need for harnessing atomic energy
2	Atomic reactors in India	Various atomic reactors in our country, their working principle and characteristics, purpose of these reactors
SUBTOPICS FOR MCQS FROM AGRICULTURE IN OUR COUNTRY		
NO.	SUBTOPICS	SCOPE OF THE SUBTOPIC
1	History of farming in India and traditional practices	Historical background of Indian agriculture, Traditional practices, Advantages and disadvantages of traditional practices in present scenario
2	India as agrarian economy	What is agrarian economy, Sustainability issues, challenges in front of us

SUBTOPICS FOR OPI FROM INDIAN CONTRIBUTION TO ATOMIC ENERGY		
NO.	SUBTOPICS	SCOPE OF THE SUBTOPIC
1	India's 3 stage Nuclear power programme	Overview, three stages, need of this programme
2	Radio isotopes	What are radio isotopes, their importance, applications in our country
3	Food irradiation	What is food irradiation, purpose, general process, significance with respect to our country
4	Applications in Agriculture sector	Various applications of atomic energy in agriculture, how atomic energy is used in agriculture sector in our country
SUBTOPICS FOR OPI FROM AGRICULTURE IN OUR COUNTRY		
NO.	SUBTOPICS	SCOPE OF THE SUBTOPIC
1	Green revolution and modernization	What is green revolution, advantages and disadvantages, modern agricultural techniques in India
2	GM crops	What are GM crops, significance in Indian agriculture, Indian research in this field
3	Indigenous crop varieties	Importance of these varieties, efforts to grow such varieties
4	Cooperative movement	What is cooperative farming, various aspects of it, different success stories
5	Marketing and contract farming	Effective ways of marketing, different practices, meaning of contract farming, how better marketing practices increase effective yield