

VIDYARTHI VIGYAN MANTHAN (VVM) 2021-22 (NLC)

INDIAN CONTRIBUTION AND ADVANCEMENT IN SCIENCE AND TECHNOLOGY (ICAST)

JUNIOR GROUP (CLASS VI, VII & VIII)

Details of the Topics and their scope are as follows:

Topics For MCQs (20 Questions – 1 Mark Each)		
No.	Topics	Scope of the Topics
1	Institutes of Repute	1. Banaras Hindu University: Historical background, About the founder of the University, IIT BHU, Various academic and project related activities, Various courses. 2. Hindustan Aeronautics Limited, Bengaluru: Historical background, Role in maintenance of fighter aircrafts, Training to pilots, Designing new aircrafts/helicopters, Avionics
2	Contract Farming in India	Concept of contract farming, Contract farming in India as compared to that in other countries, Merits and demerits, Business opportunities to non-farmers, Market share, Legal aspect.

Topics For Personal Interaction (15 Marks)		
No.	Topics	Scope of the Topics
1	Understanding dieting and Rutucharya	Concept of diet and pathya, Six Rutus in India, Rutus and dietary restrictions as per Ayurveda, The science behind this concept.
2	Electric Vehicles a new challenge	What are electric vehicles, Mechanism of power consumption, Types of electric vehicles, Benefits and challenges in the use of electric vehicles, Electric vehicle policies of various State Governments, Electric vehicle policy of India

Suggestive References:

Students can refer following links for the preparation. However, these are just the sample links. Students should also refer other web sites and reference material like books, periodicals and Science articles related to the topics.

1. <https://www.bhu.ac.in/>
2. <https://iitbhu.ac.in/>
3. <https://hal-india.co.in/>
4. <https://www.manage.gov.in>
5. <https://agricoop.nic.in>
6. <https://pib.gov.in>
7. <https://india.gov.in>
8. <http://www.ccras.nic.in/content/ritucharya>
9. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3361919/>
10. <https://e-amrit.niti.gov.in/home>
11. <https://powermin.gov.in/en/content/electric-vehicle>
12. <https://beeindia.gov.in/content/e-mobility>