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Aakash

Medical | IIT-JEE | Foundations
(Divisions of Aakash Educational Services Limited)
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Code A

**Phase-III
(HYBRID)**

M.M. : 25

i-Tutor Subjective Test-2

Hybrid Classroom Course

Science (Class VIII)

Time : 45 Min.

Topics Covered :

- Physics** : Force and Pressure (Complete Chapter)
- Chemistry** : Synthetic Fibres and Plastic (Synthetic Fibres)
- Biology** : Crop Production and Management (Complete Chapter)

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| 1. What is the main cause of force? [1] | 5. Define the following: |
| 2. Write the name of the first fully synthetic fibre. [1] | (i) Petrochemicals [1] |
| 3. Which of the following group of crops are grown between March and June? [1] | (ii) Polymers [1] |
| (1) Muskmelon, watermelon and cucumber | (iii) Natural fibres [1] |
| (2) Pea, mustard and watermelon | 6. What is artificial silk? Give its two uses. [3] |
| (3) Rice, maize and bajra | 7. Why is it necessary to remove weeds? [3] |
| (4) Gram, potato and cotton | 8. (i) Define balanced and unbalanced forces. [3] |
| 4. (i) What is the use of manometer? [1] | (ii) Define pressure and also write S.I. unit of pressure. [2] |
| (ii) A cube of mass 20 kg and volume 125 cm^3 is kept on a horizontal floor. Calculate pressure exerted by the body on the horizontal floor. (Take $g = 10 \text{ m/s}^2$) [2] | 9. (i) Nowadays farmers use seed drill to sow seeds. Mention any three advantages of using it. [3] |
| | (ii) Give any two ways by which farmers can maintain the soil fertility in their fields other than using manures and fertilisers. [2] |

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