

IV.

*Morals.*

1. Motives which prompt our actions.
2. Fundamental principles of morals.
3. Difference between moral good and evil.
4. Moral obligations.
5. Laws.
6. Rewards and penalties.
7. Moral sanction.
8. Destiny of man.
9. Proofs of the immortality of the soul.
10. Necessity of religion.
11. Necessity of internal, external and public worship.
12. Religion the basis of society.
13. Important duties which man owes to himself.
14. Active and passive duties to society.
15. Right of property and civil rights.
16. Origin of political organization.
17. Divers forms of political authority.
18. Principles of sovereign power.
19. Duty to the State.

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PROGRAMME N° 2.

NATURAL PHILOSOPHY.

I.

1. Object of Natural Philosophy ; its relation to chemistry.
2. General properties of matter ; definitions.
3. Weight ; its direction ; laws affecting falling bodies.
4. The balance and its principle ; description ; conditions necessary to its efficiency.
5. Principle of Archimedes ; equilibrium of bodies, immersed and floating on the surface.
6. Principles which cause liquids to rise to their levels ; description ; Artesian wells.

II.

7. Density ; different modes of increasing it.
8. Description of areometer and its use.
9. Capillary attraction ; endosmose ; ascent of the sap in trees.