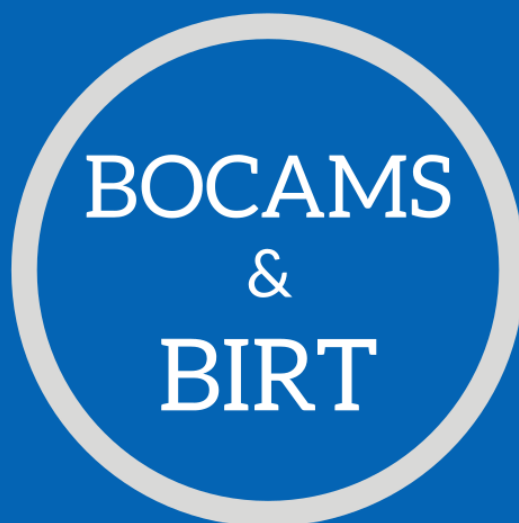


Education is the manifestation of perfection already in Humans



BOARD OF COMPETITIVE AND MANAGEMENT SKILLS

ASSOCIATED WITH

BASIC INTELLIGENCE AND REMEMBRANCE TEST

CIRCULAR NO. ACAD\SYL\350\SCI\2020

SYLLABUS FOR 350-SCIENCE (LEVEL 1)

UNIT. NO	UNIT NAME	MARKS PAPER 1	MARKS PAPER 2	INTERNAL ASSESSMENT	TOTAL MARKS
1.	Biology	11	12	5	28
2	Physics	11	12	5	28
3	Chemistry	11	12	5	28
4.	Environment Science	07	4	5	16
Total		40	40	20	100

Unit 01: Biology. (28 Marks)

- Details of Nutrition, Respiration, Digestion and Excretion of Living Organisms (human, plant etc)
- Sexual reproduction in plants and humans with birth control measures for humans.
- Several modes of asexual reproduction.(budding, fragmentation, regeneration, spores formation, fission etc)
- Human Nervous System and Hormonal system.
- Hormonal systems of plants
- Monohybrid and bihybrid cross.
- Theory of Evolution
- Study of Kingdoms : Animalia and Plantae

Unit 02: Physics. (28 Marks)

- Magnetism: (electric and magnetic)
- Light and its reflection and refraction through curved mirrors and lens.
- Refractive Index
- Motion ,its laws and equations of motion. (speed, velocity, distance, displacement, acceleration, momentum etc.)
- Force and Gravitation
- Density mass and weight.
- Work and Energy.

Unit 03: Chemistry (28 marks)

- Matter and ways of conversion of matter from one form to another.
- Atom molecules and structure of atoms and molecules.
- Metallurgy and processes related to it.
- Acids bases and their properties
- Carbon and its compounds formed by bonds. (cyclic and straight chain)
- Properties of alcohol aldehydes acids alkanes and other functional groups.
- Study detergent and soap molecules.
- Study of moles.

Unit 04: Environment Science (16 marks)

- The nitrogen, carbon and oxygen cycle.
- Sustainable management and use of air, water, soil etc.
- Prevention and cause of pollution, waste management.
- Eco friendly steps to save environment.