

नेपाल आयल निगम लि.

आन्तरिक प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

पद: बरिष्ठ सहायक

तह: ५ (पाँचौं)

सेवा: प्राविधिक

समूह: ल्याव

परीक्षाको किसिम:

लिखित

पत्र	विषय	पूर्णाङ्क	परीक्षा प्रणाली	प्रश्न संख्या	अंकभार	समय
	सेवा सम्बन्धि	१००	बस्तुगत बहुउत्तर	२५	२५ X ४	२ घण्टा ३० मिनेट

सेवा सम्बन्धि

1. Chemical symbols and their significance.
2. Liquids: Properties of Liquids, solution, solubility effect of temperature on solubility, concentration concept of molarity, Idea of vapour pressure, calculations involving solubility.
3. Solids: properties of solids, crystals, crystallization, crystal structure of sodium chloride.
4. Chemical change and chemical Equations: Type of chemical change, factors governing chemical change, chemical equations, their significance different ways of balancing them.
5. Acids, Bases & Salt: Classical definition, Arrhenius's theory of acids and bases, Bronsted Lowry concept, Neutralization, Lewis concept of Acids and Bases.
6. Metals: Distinction between metals and non metals
7. Hydrogen: Position of hydrogen in the periodic table, technical preparation, Laboratory preparation from acids.
8. Oxygen: Position in the periodic table, laboratory preparation from compound containing high percentage of oxygen, properties, applications, oxides.
9. Water: Hard and soft water, removal of hardness, composition of water, structure solvent property of water.
10. Carbon Monoxide and carbon Dioxide: Preparation, properties and applications
11. Sulphur: Structure of sulphur
12. Hydrogen sulphide and sulphur Dioxide: Preparation properties and applications
13. Sulphuric Acid: Properties and applications
14. Phosphorus: Know about red and white phosphorus.
15. Isolation and purification of organic compounds: Sources of compound, characteristics of organic compound, Extra action of organic substances from natural sources, purification, crystallization, sublimation, distillation, steam distillation, washing drying, criteria of purify.