

Tentative Syllabus of written examination for the post of Asstt. Health, Safety & Environment Officer

Sr. No.	Reference Learning Outcome	Professional Knowledge Required	Weightage
1	Safety: Identify accident prone areas and adopt methods for reducing accidents following safety precautions.	<ul style="list-style-type: none">• Preparation of Accident/Hazard reports, Causes, Identification, Evaluation & Control of Hazard.• Preparation of procedure of safety equipments and their uses. Introduction of first aid, operation of Electrical mains.• Knowledge of General Safety, Occupational health and hygiene, electrical safety.• Study of Risk at work site and preparation and initiation of reports.• Report preparation of accident prone area Practical usages of Safety belt helmet gloves, and goggles.• Methods Adopted for Reducing Accidents, Investigation of Accidents, Safety Slogans Principles of Accident, Accident ratio study, identification of unsafe mechanical/ physical conditions, and identification of unsafe acts. Frequency Rate, Prevention Methods.• Electrical Safety: Identify various techniques of earthing standards and earth fault protection.• Identification of electrical equipment in hazardous atmosphere• Preparation of Safety Policy, Safety Committee, Safety Review, Responsibility of Management, Safety Officers Duties & Responsibilities, Safety Targets, Objectives, Standards, Practices and Performances. Role of a supervisor.• Identification of causes and classification of fire, Detection of fire, extinguishing methods, fire fighting installations with and without water.• Disaster management floods, earthquake, cyclone, and slides, etc.	25%

2	Health	<ul style="list-style-type: none">• Preparation of steps for Cleanness, Disposal of Waste, Ventilation and Temperatures, Dust & Fumes, Drinking Water, Lighting, Latrines & urinals.• Identification of First Aid Appliances, Canteen, Shelters for rest & lunch, Welfare offers, Right & Obligation of employees.• Observation of Good housekeeping, Disposal of scrap and other trade wastes.• Identify and select respiratory personal protective devices and carry out its maintenance.• Preparation of Health Management, Health Policy, Health Committee, Health Review, Responsibility of Management, Health Officers Duties & Responsibilities, Health Objectives & Standards, Practices and Performances. Motivation & Communication as part of Health Program.	25%
3	Environment	<ul style="list-style-type: none">• Identification of provisions for protection of existing environment, Principles & Practices in Prevention & Control of Pollution, Water Pollution, Introduction to Hazardous Waste Management.• Identification of environmental pollution — causes, Effects and control measures of air pollution, water pollution, soil pollution.• Developing a workplace Safety and Health Policy.• Preparation of safety and Health objectives and Targets, performance standards.• Preparation of Operation Structure and responsibilities, individual responsibilities, Safety Consultation.• Keep Awareness and competence.• Communication- Information coming into the organization.• Document Control: Safety and Health System Records and reporting to the management.	25%

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4	Electrical Safety Requirements as per CEA notifications	<ul style="list-style-type: none">• Material and strength and factors of safety• Clearance above ground of lowest conductor of overhead lines• Clearance from buildings of lines of voltage and service lines• General clearances• Maximum interval between lines• Line crossing or approaching each other and line crossing street and road• Guarding• Service lines from overhead lines• Earthing• Safety and protective devices• Protection against unused overhead lines• Laying of cables• Precaution against leakage of current• Provisions for supply and use of electricity in multi-storeyed building more than 15 meter in height.• Maintenance of lines and equipments	25%
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