

Tentative Syllabus of Written Examination for the post of Health, Safety & Environment Officer

Sr. No.	Reference Learning Outcome	Professional Knowledge Required	Weightage
1	<p>Safety: Identify accident prone areas and adopt methods for reducing accidents following safety precautions.</p>	<ul style="list-style-type: none"> • Analysis of Accident/Hazard, Causes, Identification, Evaluation & Control of Hazard. • Analysis of safety equipments and their uses. Introduction of first aid, operation of Electrical mains. • Knowledge of General Safety, Occupational health and hygiene • Study of Risk at work site and preparation and initiation of reports. • Visit to 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. • Safe limits of voltages, distance from lines, etc., Joints and connections, Overload and Short circuit protection. • Earthing standards and earth fault protection, Protection against voltage fluctuations, Effects of shock on human body Hazards. • Electrical equipment in hazardous atmosphere • Introduction to Safety Management, Safety Policy, Safety Committee, Safety Review, Responsibility of Management, Safety Officers Duties & Responsibilities, Safety Targets, Objectives, Standards, Practices and Performances. Motivation & Communication as part of Safety Program. Role of a supervisor 	34%



Uttar Gujarat Vij Company Limited

CIN - U40102GJ2003SGC042906
(A subsidiary of Gujarat Urja Vikas Nigam Limited)

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		<ul style="list-style-type: none"> General 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. 	
2	Health	<ul style="list-style-type: none"> Health - Cleanness, Disposal of Waste, Ventilation and Temperatures, Dust & Fumes, Drinking Water, Lighting, Latrines & urinals. First Aid Appliances, Canteen, Shelters for rest & lunch, Welfare offers, Right & Obligation of employees. Good housekeeping, Disposal of scrap and other trade wastes. Identify and select respiratory personal protective devices and carry out its maintenance. 	33%
3	Environment	<ul style="list-style-type: none"> Safety and Protection of existing environment, Principles & Practices in Prevention & Control of Pollution, Water Pollution, Introduction to Hazardous Waste Management. Environmental pollution — causes, Effects and control measures of air pollution, water pollution, soil pollution Developing a workplace Safety and Health Policy. Planning – safety and Health objectives and Targets, performance standards. Implementation and Operation Structure and responsibilities, individual responsibilities, Safety Consultation. Awareness and competence. Communication- Information coming into the organization. Document Control: Safety and Health System Records. 	33%