

UNIT 1: Achieving Continual Improvement in OH&S Management System

Total Time: 5:00 hours
Total Questions: 15

Total Marks: 150
Passing Marks: 75

- The maximum marks for each question are 10.
 - Answers may be illustrated by sketches or process flow diagrams where appropriate.
 - This question paper must be returned to the invigilator after the examination.
 - Support your answers with **logical arguments** and **examples**. Generic and Bookish answers will not be accepted by the examiners.
 - All Questions are compulsory and must be answered to gain maximum marks
 - Use bullet points for questions asking to **Outline** and make sure each bullet point has unique and valuable content.
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Part A **(Each Question carries 10 Marks)**

- 1- A large petrochemical organization with more than 5000 employees has recently hired you as Safety advisor subsequent to their Management Review Meeting. The management is unhappy with the performance of existing OH&S management system and wishes to completely change it and establish a paperless OH&S management system.

Outline your **action plan** and **recommendations** in this situation?

- 2- You as a safety manager prepared and presented the OH&S Management system performance data after careful analysis and evaluation as input for Management Review Meeting. You believe that the situation warrants application of engineering controls for some of the activities. However, the top management has decided to enforce PPE's as the output of Management Review. The decision will be ineffective in your opinion based on available facts and organizational safety culture.

Outline how will you proceed in this situation?

- 3- You are working as safety advisor in a construction company involved in mega projects. You have noticed that the OH&S objectives being established by various functions are either irrelevant or putting no value addition in OH&S Management System.

Outline step by step **action plan** on how you will ensure OH&S objectives add value to the performance of OH&S Management System of the organization?

- 4- You have recently been appointed in a sulfuric acid manufacturing plant as safety officer. The plant although has an established OH&S Management System with 3rd party OHSAS 18001:2007 certification but, during the previous regulatory audit, the company was fined due to

violation of legal requirements. Your MD has now advised you to ensure the legal requirements are complied.

Outline step by step your **action plan** to avoid any non conformance in upcoming regulatory audit?

- 5- The corrective action procedure of your organization requires the relevant manager to identify root causes of non-conformities and suggest suitable corrective actions. However, you as a Safety Manager noticed that "Worker Negligence" is written against the root causes and "Needful has been done" against the suggest corrective actions for almost all the corrective action forms received in Safety Department during previous month.

Outline your **action plan** if you believe the procedure is ineffective?

Part B

(Each Question carries 10 Marks)

- 6- **Outline** how **context of the organizations** influence their OH&S policy?
- 7- **Explain** the significance of "Process Approach" for continual improvement of an OH&S management system?
- 8- **Outline** the **reasons** due to which the Permit to Work (PTW) system of an organization will become ineffective?
- 9- **Explain** how informal leadership can be effective for organizations in improving their Health & Safety culture? Also outline various methods through which informal leadership can be encouraged within organization?
- 10- **Explain** the most effective method to improve the risk perception of the employees (Only one method which you believe is most effective). Give logical arguments to support your answer?
- 11- **Explain** the factors which influence the rehearsal frequency of emergency preparedness and response procedures within organizations?
- 12- **Outline** the **risks** within **calibration process** of inspection and measuring equipment which could lead to its ineffectiveness?
- 13- **Explain** how "**Poor Analysis and Evaluation**" of OH&S performance can lead to ineffectiveness of Management Review outcomes?
- 14- **Outline** the **risks** in Management Review (MR) Process of an OHS Management system of an organization?
- 15- **Outline** why an OH&S Management System of an organization may not serve its intended function?