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LEVEL 5

Demonstrate Occupational Safety and Health Practices

Nov/Dec 2024

TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL (TVET CDACC)

WRITTEN ASSESSMENT

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Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: **A** and **B**.
3. Candidates are provided with a separate answer booklet
4. **DO NOT** write on this question paper.

This paper consists of THREE (3) printed pages.

Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

SECTION A (40 MARKS)

Answer ALL the questions in this section.

1. Record keeping requires all stakeholders to participate in the process. Identify FOUR responsibilities employers have related to OSHA record keeping (4 Marks)
2. Methuselah is injured by a machine while trying to feed a workpiece. Highlight FOUR information about this incident that should be captured in an incident occurrence report. (4 Marks)
3. As an occupational safety and health officer, list FOUR occupational safety and health records you should keep at a workplace. (4 Marks)
4. It is always good to know where to find information. Enumerate FOUR resources inside the workplace that will help you find information on safety and health issues. (4 Marks)
5. Explain FOUR indicators of hazards that an occupational and health officers should be monitoring in the pursuit of ensuring a safe workplace. (4 Marks)
6. Imagine a tank containing a poisonous gas has started leaking in a factory. List contingency measures you will use to minimize the casualties of the incident. (4 Marks)
7. Discuss FOUR importance of occupational safety and health risk evaluation in a workplace (4 Marks)
8. In an emergency of fire in a workplace, describe FOUR procedural steps involved in handling the incident. (4 Marks)
9. Identify FOUR methods of gathering occupational safety and health issues raised by workers. (4 Marks)
10. First aid is always the first thing done to victims of accidents. Explain FOUR reasons why first aid is important to the victims of workplace injuries. (4 Marks)

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SECTION B (60 MARKS)

Answer Any THREE Questions in This Section.

11. Company A, nowadays, has frequently been found to have several cases of accidents and injuries in its production section.
    a. Discuss FIVE likely causes of these accidents and injuries. (10 Marks)
    b. Discuss FIVE categories of safety gears, based on the part of the body it protects, that employees in company A should use. (10 Marks)

12. After risk assessment of a machine in Blueway company, the occupational safety and health committee recommended that it is dangerous to human operator due to the physical hazards it has.
    a. Discuss FOUR physical hazards that are likely to be found in the machine. (8 Marks)
    b. Considering each element of hierarchy of risk controls, suggest, for each, what Blueway company should do. (12 Marks)

13.
    a. Three incident reports were recorded at company XYZ in a span of four days. Risk assessment was conducted and it was noted that their machines were working well and were safe and the likely cause of the incidents was overexertion and tiredness faced by the employees. Discuss FIVE unhealthy administrative arrangements that may have led to this. (10 Marks)
    b. Discuss FIVE rights given to employees by occupational safety and health. (10 Marks)

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14. Workplace is an environment where a person is doing his or her work. Depending on the nature, different workplaces possess different factors which may contribute negatively or positively to the safety of whoever is working there.
    a. Describe FIVE factors that contribute to unsafe workplace conditions. (10 Marks)
    b. Discuss FIVE steps involved when conducting risk assessment in a workplace so as to minimize factors that negatively affect safety. (10 Marks)