NAMIBIA UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF HEALTH, APPLIED SCIENCES and NATURAL RESOURCES

DEPARTMENT OF HEALTH SCIENCES

QUALIFICATION : BACHELOR OF ENVIRONMENTAL HEALTH SCIENCES	
QUALIFICATION CODE: 08 BOHS	**LEVEL:** 7
COURSE NAME: OCCUPATIONAL HEALTH AND SAFETY 3	**COURSE CODE:** OHS 711S
DATE: July 2022	**SESSION:** 2nd Opportunity
DURATION: 3 HOURS	**MARKS: 100**

SUPPLEMENTARY/SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER	**MRS MOUYELELE HAUFIKU**
MODERATOR:	**PROF OMOTAYO AWOFOLU**

INSTRUCTIONS
1. Read all the questions carefully before answering 2. Marks for each question are indicated at the end of each question 3. Number the answers clearly. 4. Please ensure that your writing is legible, neat and presentable

PERMISSIBLE MATERIAL: NONE

THIS QUESTION PAPER CONSISTS OF 4 PAGES

(Including this front page)

SECTION A [20 marks]

QUESTION 1 [10]

1.0 Match a statement in Column A to their most correct definition or description in Column B. Write on your answer sheet the correct column A number with a correct column B Letter. **1 mark each**

No	COLUMN A	COLUMN B
2.1	Nephrotoxicity	A. Electrons do not move through them very well.
2.2	Emergency	B. It is classified as a near miss or an undesired circumstance.
2.3	Teratogenicity	C. Likelihood of that substance; activity or process to cause harm.
2.4	Epidemiological Theory	D. The depth is greater than the width, but not wider than 4.5m.
2.5	Insulators	E. Chemical effects to the kidneys.
2.6	Trench	F. Used to study causal relationships between environmental factors and disease.
2.7	Risk	G. Ergonomic Traps is an example of this theory.
2.8	An incident	H. a man-made cut, cavity, trench, or depression formed by earth removal.
2.9	Accident Theory	I. Chemical effects to the embryos.
2.10	Excavation	J. a serious, unexpected and often dangerous situation requiring immediate action.

QUESTION 2 [10]

2.0 Define the following terms in the context of Occupational Health and Safe.

2.1 Dose-response relationship [2]

2.2 Safety audit [2]

2.3 Fire point [2]

2.4 Convection [2]

2.5 Toxicology [2]

SECTION B [20 marks]

QUESTION 3 [10]

3.0 Differentiate between the following terms:

3.1 Distribution and biotransformation process in Toxicokinetics. [2]

3.2 Local and systemic effects with examples. [4]

3.3 Asphyxiation and corrosivity. [2]

3.4 Personal Fall Arrest Systems (PFAS) and Guardrails as fall protection measures. [2]

QUESTION 4 [10]

4.1 State the **two (2)** purposes of conducting Occupational Health and Safety audits. [2]

4.2 List any **five (5)** characteristics of a checklist. [5]

4.3 Outline any **three (3)** common causes of fire in electrical installations. [3]

SECTION C [60 marks]

This section consists of FOUR questions. Answer **any THREE** questions in your answer book.

QUESTION 5 [20]

5.1 State the purposes of accident investigations. [5]

5.2 Name and explain the steps one needs to follow when conducting an accident investigation. [15]

QUESTION 6 [20]

6.0 Planning for emergencies like any other management function must be a priority and done in advance. Only in this way potential harm to people and property is minimized.

6.1 Outline the steps to come up with an emergency preparedness plan. [7]

6.2 State any **six (6)** components and specific areas of concerns for an emergency preparedness plan. [6]

6.2 Briefly explain the importance of Drills in preparation for emergencies. [7]

QUESTION 7 [20]

7.0 State the hazards associated with Scaffolds at construction sites. [5]

7.1 Outline the safety requirements for roof work. [5]

7.2 Illustrate the factors to be considered when using ladders at construction sites. [10]

QUESTION 8 [20]

8.0 First Aid is the initial assistance or treatment that is given to a casualty for an injury or sudden illness. Describe First Aid, under the following headings:

8.1 **Three (3)** principles of First Aid. [3]

8.2 Sequence the First Aider follows before giving first aid/CPR. [7]

8.3 Roles and responsibilities of a First Aider and their legal responsibilities. [10]

TOTAL MARKS = 100