


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2022			
Course: First Aid and Emergency Procedures Program: B.Tech.-Fire and Safety Engineering Course Code: HSFS2011		Semester: IV Time 03 hrs. Max. Marks: 100	
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	When a person experiences an third degree burn what are the several changes happen to the tissue?	4	CO2
Q 2	Being a first aider how you will assist an accident, which involve kitchen fire at your house.	4	CO2
Q 3	What is the treatment for a casualty with diabetes who is sweating, trembling and confused?	4	CO1
Q 4	Explain your role of first aider during a vehicle accident.	4	CO1
Q 5	In the case of burns, it says if there is no running water then improvise. If the only source of water was a lake, which would be the priority-cooling the burn or preventing infection from the dirty water?	4	CO3
SECTION B (4Qx10M= 40 Marks)			
Q 6	Defibrillation is a treatment for life-threatening cardiac dysrhythmias, specifically ventricular fibrillation (VF) and non-perfusing ventricular tachycardia. Why silica gel is use for defibrillation?	10	CO4
Q 7	It is important to remember that accidents and illness can happen at any time. First-aid provision needs to be available at all times for people at work. What do you think are the common cause of unconsciousness and if you are present for the first aid what are the steps you need to adopt.	10	CO5
Q 8	You feel a sudden severe pain in the bottom of your left foot after you fall from bike. You look at the bottom of your left leg and find no wound on skin. What type of injury do you probably have and how will you attend to it?	10	CO5
Q 9	Differentiate the following: a. Acute and chronic health disorder	10	CO2

	b. First AID fir chemical burning and Electrical burning		
SECTION-C (2Qx20M=40 Marks)			
Q 10	<p>Explain in detail</p> <ul style="list-style-type: none"> a) ABCDE in the injury assessment b) Accidental wounds based on origin c) Anaphylactic shock d) Third degree burn e) Sodium potassium pump 	20	CO3
Q 11	<p>Write short notes on Following</p> <ul style="list-style-type: none"> a) Reflex action b) Eustachian tube c) Expiratory reserve volume d) Rule of 9'S <p style="text-align: center;">OR</p> <p>Define fracture and write their types based on the severity of the fracture, whether it communicates through the skin, the shape of the fracture line, or the anatomical location of the fracture within an individual bone.</p>	20	CO3