

<b>Name:</b>	 <b>UPES</b> UNIVERSITY WITH A PURPOSE
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**Online End Semester Examination, December 2020**

**Program: B.Tech (FSE)**  
**Subject (Course): First aid and emergency procedure**  
**Course Code: HSFS2011**

**Semester –III**  
**Max. Marks : 100**  
**Duration : 3 Hr**

**SECTION A**

**Each Question carries 5 Marks**

S. No.	Question	CO
Q 1	Which type of equipment can assist in restoring a casualty's normal heart rhythm in a cardiac arrest?	CO1
Q2	What is the treatment for a casualty with diabetes who is sweating, trembling and confused?	CO1
Q3	Differentiate open and closed fracture.	CO2
Q4	When a person experiences an ice burn what are the several changes happen to the tissue ?	CO2
Q5	Explain first aid kit and its components.	CO2
Q6	Being a first aider how will you assist an accident, which involve LPG leakage at your house.	CO1

**SECTION B**

**Each Question carries 10 Marks**

Q 7	You are appointed as first aider and have been tasked to carry out site investigations for a cement industry where in past multiple accidents occurred. Describe the investigation procedure and discuss the initiative which you will take for proper management of such type of accident to save life of workers.	CO5
Q 8	Describe the following in detail a) Emphysema b) Nodes of Ranvier c) Acute V/S Chronic disease d) AED	CO3
Q 9	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	CO4

Q 10	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?	<b>CO4</b>
Q 11	A victim of a car accident has just vomited and now appears to be coughing up blood. He is breathing very quickly and his pulse is weak and fast. What will you do as a first aider?	<b>CO5</b>
<b>Section C</b> <b>Each Question carries 20 Marks.</b>		
Q12	<p>Define fracture. Classify fracture based on its severity, whether it communicates through the skin, the shape of the fracture line, or the anatomical location of the fracture within an individual bone.</p> <p style="text-align: center;"><b>OR</b></p> <p>Write short notes on Following</p> <ol style="list-style-type: none"> <li>a) Reflex action</li> <li>b) Eustachian tube</li> <li>c) Expiratory reserve volume</li> <li>d) Rule of 9'S</li> </ol>	<b>CO4</b>