


<b>Name:</b>	
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2018**

**Course/Code: First Aid and Emergency Procedures / HSFS 2003**

**Semester: III**

**Programme: B.Tech.-Fire and Safety Engineering**

**Time: 03 hrs.**

**Max. Marks: 100**

**Instructions: Read the questions properly and give the most relevant answer**

**SECTION A**

S. No.	Question	Marks	CO
Q01	List the various principles of First aid	4	CO1
Q02	List any four functions of Respiratory System and muscular system	4	CO2
Q03	Classify different types of shock and its first aid procedures.	4	CO6
Q04	Explain how you will recognize the internal head injury.	4	CO5
Q05	Describe the first aid procedures of cold burn	4	CO4

**SECTION B**

Q06	Describe the concept of unconsciousness and its first aid procedures.	10	CO3
Q07	Classify burns and its first aid methods in detail.	10	CO4
Q08	Review the concept of Choking, their symptoms and its first aid methods in detail.	10	CO6
Q09	Discuss in detail about different types of wounds with possible examples. (Or) List any 8 chemicals and its first aid measure if it is ingested by a person.	10	CO5

**SECTION-C**

Q10	a) Analyze the following condition, one of your kin when he feels giddiness some eats some sweet to make him normal explain the type of diabetes he is having and also explain various types of diabetes in detail.  b) One of your friend steps in a high voltage damaged wire gets shock and falls down in the floor, there is high chance that his arm gets severely injured. Examine the situation and give first aid to your friend who is unconscious as well as severely injured.  c) Discuss the proposed methodology to treat diabetes	20	CO1, CO2 & CO4
Q11	a) Illustrate the different types of Bandages with sketch.  b) Explain the principles of bandage and the possible mistakes while doing bandage.  c) Explain how you will handle your friend who got splashed by concentrated acid in his hand.	20	CO3, CO5& CO6

d) Discuss the concept of cold burn, its symptoms and first aid procedure.		
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(OR)

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| a) Explain the symptoms of Heart attack and how will you handle a person who got heart attack.<br>b) Discuss the principle of CPR and how will you conduct CPR for various age groups.<br>c) List the Medicines packed in the loading dose for heart attack<br>d) Explain how a person has to react in the case of having a cardiac arrest (consider no one is nearby) |  |  |
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<b>Name of the School</b> (Please tick, symbol is given)	:	SOE	<input type="checkbox"/>	S OCS		SOP	
<b>Programme</b>	:	B.Tech.-Fire and Safety Engineering					
<b>Semester</b>	:	III					
<b>Name of the Course</b>	:	First Aid and Emergency Procedures					
<b>Course Code</b>	:	HSFS 2003					
<b>Name of Question Paper Setter</b>	:	Mr.V.Surendar					
<b>Employee Code</b>	:	40001769					
<b>Mobile &amp; Extension</b>	:	9159794983					
<b>Note: Please mention additional Stationery to be provided, during examination such as Table/Graph Sheet etc. else mention "NOT APPLICABLE": NOT APPLICABLE</b>							
<b>FOR SRE DEPARTMENT</b>							
<b>Date of Examination</b>	:						
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**Note: - Pl. start your question paper from next page**

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**SECTION A**

S. No.		Marks	CO
Q01	Explain the Responsibilities of First aider	4	CO1
Q02	List any four functions of skeleton and integumentary system	4	CO2
Q03	Classify the types of wound dressing and its potential usage.	4	CO3
Q04	Explain how you will recognize the eye injury.	4	CO5
Q05	Describe the 'rules of nines'	4	CO4

**SECTION B**

Q06	Categorize different types of diabetes its types and control measures in detail.	10	CO4
Q07	List any 8 chemical and explain its first aid measures if it is ingested	10	CO6
Q08	Explain the concept of Asphyxiation, its symptoms and its first aid methods relevant to inhalation of toxic gases and drowning in water.	10	CO1
Q09	Classify different types of chest injury and its first aid measures  (Or)  List the different types of fractures and describe the first aid treatment for a person suffering from fractured bone injury.	10	CO5

**SECTION-C**

Q10	Analyze a person who has become unconsciousness in a heavily crowded train. What could be the <b>possible reasons</b> for his unconsciousness, describe the <b>all possible reasons</b> and demonstrate how you will handle the victim in that situation.	20	CO2,C O4 &CO3
Q11	a) Explain the treatment procedure for a person who is bitten by a poisonous snake. b) Describe the concept of seizures, its types and first aid procedures.  (or) a) Explain in detail the following prevention and possible first aid procedures.  i) Dermatitis. ii) Noise. iii) Ionizing radiation. iv) Cold burns. v) Treatment of electric shock.	20	CO1,C O6 & CO5