


Name:			
Enrolment No:			
UPES End Semester Examination, December 2024			
Course: First Aid and Emergency Procedure Program: B.Tech (Fire & Safety) Course Code: HSFS 2003		Semester: III Time : 03 hrs. Max. Marks: 100	
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	When a person experiences a second degree burn what are the several changes happen to the tissue?	4	CO1
Q 2	Discuss how first aid priorities influence the outcomes for patients with varying injuries.	4	CO2
Q 3	Assess the effectiveness of different first aid procedures for heat exhaustion and justify which method is most appropriate in a high-temperature outdoor environment	4	CO3
Q 4	Analyze the challenges in identifying a greenstick fracture in children and propose a protocol for its diagnosis and first aid management.	4	CO3
Q 5	Differentiate between the various types of bandages and recommend their applications for specific injuries with examples	4	CO2
SECTION B (4Qx10M= 40 Marks)			
Q 6	Explain the physiological mechanism of CPR and AED in oxygen delivery and design an infographic for laypersons to perform these life-saving procedures effectively.	10	CO4
Q 7	A skilled first aider plays a crucial role in the provisional diagnosis of respiratory diseases. <ul style="list-style-type: none"> • Evaluate the importance of timely recognition of respiratory distress. • Design a training module focusing on ABCDE assessment for first aiders to address respiratory emergencies. 	10	CO5
Q 8	Critically evaluate the safety measures a first aider must follow to ensure both personal and victim safety in high-risk emergency situations.	10	CO5
Q 9	Prioritizing actions in first aid can significantly affect recovery outcomes. <ul style="list-style-type: none"> • Propose an improved protocol for managing snakebite injuries in rural areas, focusing on resource constraints and timely management. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Propose an improved protocol for managing eye blow injuries on playground, focusing on resource constraints and timely management. 	10	CO5
SECTION-C (2Qx20M=40 Marks)			

Q 10	<p>Synthesize a comprehensive first aid guide covering the following:</p> <ol style="list-style-type: none"> Golden rules of first aid and their application in real-life scenarios. Warnings and precautions for first aiders in diverse environments. The concept of triage and its application in mass casualty events. Evaluation of artificial respiration methods for efficiency and practicality. 	20	CO3
Q 11	<p>Write short notes on Following</p> <ol style="list-style-type: none"> Priorities of first aid Principles of First aid Responsibilities of first aider Rule of 9'S <p style="text-align: center;">OR</p> <p>Evaluate the various types of fractures (based on severity, anatomical location, and other criteria) and propose a strategic approach to their first aid, considering resource limitations and time constraints.</p>	20	CO3