

Enrollment No.....



Faculty of Engineering
End Sem (Even) Examination May-2022
FT3CO10 Paramedics

Programme: B.Tech.

Branch/Specialisation: FT

Duration: 3 Hrs.**Maximum Marks: 60**

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d.

- Q.1 i. The surface of the palm of hand is called _____. 1
 (a) Distal (b) Superior (c) Palmar (d) Lateral
- ii. The surface of the sole of foot is called _____. 1
 (a) Proximal (b) Planter (c) Anterior (d) Posterior
- iii. Which of the following comes under neurogenic emergencies? 1
 (a) Heart attack (b) Fainting
 (c) Electric Shock (d) Epilepsy
- iv. _____ condition occurs when there is too much sugar in the blood. 1
 (a) Hyperglycaemic (b) Hypoglycaemic
 (c) Asthma (d) Choking
- v. In Cardio Pulmonary Resuscitation the acronym ABC is there in which 'C' stands for _____. 1
 (a) Concussion (b) Compression
 (c) Circulation (d) Choking
- vi. Mineral impurities in blood are removed by _____. 1
 (a) Lungs (b) Kidney (c) Spleen (d) Liver
- vii. Reason for applying a bandage can include _____. 1
 (a) Protecting a wound (b) Support of soft tissues
 (c) Prevention of self- mutilation (d) All of these
- viii. Which of the following can cause a stroke? 1
 (a) Blood clot in an artery in the brain
 (b) Blood clot in an artery in the heart
 (c) Blood clot in an artery in the leg
 (d) Blood clot in an artery in the lungs

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- ix. What should your first action be when treating an electric burn _____. **1**
 (a) Ensure that the casualty is still breathing.
 (b) Wash the burn with cold water.
 (c) Check for danger & ensure that contact with electrical source is broken.
 (d) Check for level of response.
- x. How should you open the airway of an unconscious casualty? **1**
 (a) Head tilt and chin lift (b) Jaw thrust
 (c) Head tilt and jaw thrust (d) Lift the chin
- Q.2 i. What are the qualities of first aider? **2**
 ii. Define the term first aider and rules of first aider. **3**
 iii. How a human body functions and its vital signs work? **5**
 OR iv. Explain the system of human body anatomy with diagram. **5**
- Q.3 i. What are the stages of unconsciousness? **2**
 ii. Describe the skull fracture in human body with neat diagram. As a first aid responder how will you treat this injury. **8**
 OR iii. Define neuroglial cells. Why glial cells are much numerous in vertebrate brain? Write the functions of glial cells in the central and peripheral nervous system. **8**
- Q.4 i. State the clinical features of cardiac arrest and respiratory distress. **3**
 ii. Explain the ABC acronym for CPR and whole process that are carried out while performing this process. **7**
 OR iii. Explain the circulatory system of human body in detail with neat diagram. Also write the functions of plasma protein. **7**
- Q.5 i. How eye injury occurs in human body? Mention the symptoms and first aid treatment for it. **4**
 ii. Explain the term bandages with its types and draw the diagram also. **6**
 OR iii. Define the term Tissue Injury with its types and also mention the location of pressure points in the human body. What are the injuries related to Internal Bleeding? **6**

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- Q.6 Attempt any two: **5**
 i. Explain about Rule of Nine in burns with suitable diagram. **5**
 ii. How the transportation of casualty can be done by first aider with different methods? Explain. **5**
 iii. Define the term Fractures with its types and write the signs and symptoms of it. **5**

Marking Scheme
FT3CO10 Paramedics

Q.1	i.	The surface of the palm of hand is called ____.		1
		(c) Palmer		
	ii.	The surface of the soul of foot is called ____.		1
		(b) Planter		
	iii.	Which of the following comes under neurogenic emergencies?		1
		(d) Epilepsy		
	iv.	____ condition occurs when there is too much sugar in the blood.		1
		(a) Hyperglycaemic		
	v.	In Cardio Pulmonary Resuscitation the acronym ABC is there in which 'C' stands for ____.		1
		(c) Circulation		
Q.2	vi.	Mineral impurities in blood are removed by ____.		1
		(b) Kidney		
	vii.	Reason for applying a bandage can include ____.		1
		(d) All of these		
	viii.	Which of the following can cause a stroke?		1
		(a) Blood clot in an artery in the brain		
	ix.	What should your first action be when treating an electric burn ____.		1
		(c) Check for danger & ensure that contact with electrical source is broken.		
	x.	How should you open the airway of an unconscious casualty?		1
		(a) Head tilt and chin lift		
Q.2	i.	Qualities of first aider		2
		0.5 mark for each point	(0.5 mark * 4)	
	ii.	Rules of first aider		3
		.5 mark for each point	(0.5 mark * 6)	
Q.2	iii.	Vital signs pulse, respiratory	3 marks	5
		Blood pressure and body temperature	2 marks	
OR	iv.	Structure of human body anatomy	3 marks	5
		Diagram	2 marks	
Q.3	i.	Stages of unconsciousness		2
		0.5 mark for each	(0.5 mark * 4)	
	ii.	Skull fracture in human body	3 marks	8
		Diagram	2 marks	
		First aid treatment	3 marks	

OR	iii.	Definition of neuroglial cells	2 marks	8
		Importance of glial cells	3 marks	
		Functions of glial cells	3 marks	
Q.4	i.	Features of cardiac arrest	2 marks	3
		Features of respiratory distress	1 mark	
	ii.	Definition of CPR	1 mark	7
		Types of CPR	2 marks	
OR		Explanation of each component with diagram	4 marks	
	iii.	Introduction of circulatory system	3 marks	7
		Diagram and labelling	2 marks	
		Functions of plasma protein	2 marks	
Q.5	i.	Introduction to foreign body	1 mark	4
		Symptoms of foreign body	1 mark	
		First aid treatment 4 points		
		0.5 mark for each (0.5 mark * 4)	2 marks	
	ii.	Bandages introduction	1 mark	6
		Its types	1 mark	
		Explanation of triangular and roller bandages with diagram		
			4 marks	
OR	iii.	Definition of bleeding	1 mark	6
		Types of bleeding	1 mark	
		Location of pressure point	3 marks	
		Injuries related to Internal Bleeding	1 mark	
Q.6		Attempt any two:		
	i.	Rule of Nine in burns	3 marks	5
		Diagram	2 marks	
	ii.	Principles of transportation of casualty	2 marks	5
		Name of methods and explanation on any one with diagram		
			3 marks	
	iii.	Definition of Fractures	1 mark	5
		Its types	3 marks	
		Signs and symptoms of it	1 mark	
