

Total No. of Questions: 6

Total No. of Printed Pages:3

Enrollment No.....



Faculty of Engineering  
End Sem (Even) Examination May-2018  
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) Palmer (d) Lateral
  - ii. The surface of the soul 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 **1**  
which 'C' stands for....  
(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

P.T.O.

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- 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
- 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 and 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. Write the qualities of first aider. **2**  
ii. Mention the rules of first aider. **3**  
iii. Enlist the vital signs of human body with charts. **5**
- OR iv. Describe in detail about the structure of human body with diagram. **5**
- Q.3 i. Write the causes of level of unconsciousness. **2**  
ii. How fracture of skull occurs in human body explain with a diagram and how you will provide the first aid treatment for it? **8**
- OR iii. What are 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. Give definition of cardiac arrest and respiratory distress. **3**  
ii. Define the term CPR and how you will provide CPR to the unconscious casualty explain with diagram. **7**
- OR iii. Explain the circulatory system of human body in detail with neat diagram? Also write the functions of plasma protein. **7**

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- Q.5 i. What do you mean by the term foreign body in eye? 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 Bleeding with its types and also mention the location of pressure points in the human body? What are the injuries related to Internal Bleeding. **6**
- Q.6 Attempt any two:  
i. Explain about Rule of Nine in burns with suitable diagram. **5**  
ii. What are the general principles of handling the injured casualty and write the methods of transportation of casualty and explain any one method in detail. **5**  
iii. Define the term Fractures with its types and write the signs and symptoms of it. **5**

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## Marking Scheme FT3CO10 Paramedics

Q.1	i.	The surface of the palm of hand is called.... (c) Palmer		<b>1</b>
	ii.	The surface of the sole of foot is called.... (b) Planter		<b>1</b>
	iii.	Which of the following comes under neurogenic emergencies...? (d) Epilepsy		<b>1</b>
	iv.	..... condition occurs when there is too much sugar in the blood. (a) Hyperglycaemic		<b>1</b>
	v.	In Cardio Pulmonary Resuscitation the acronym ABC is there in which 'C' stands for.... (c) Circulation		<b>1</b>
	vi.	Mineral impurities in blood are removed by... (b) Kidney		<b>1</b>
	vii.	Reason for applying a bandage can include... (d) All of these		<b>1</b>
	viii.	Which of the following can cause a stroke? (a) Blood clot in an artery in the brain		<b>1</b>
	ix.	What should your first action be when treating an electric burn.. (c) Check for danger and ensure that contact with electrical source is broken		<b>1</b>
	x.	How should you open the airway of an unconscious casualty...? (a) Head tilt and chin lift		<b>1</b>
Q.2	i.	Qualities of first aider 4 points	(0.5 mark *4)	<b>2</b>
	ii.	Rules of first aider 6 points	(0.5 mark *6)	<b>3</b>
	iii.	Vital signs Pulse, Respiration	2.5 marks	<b>5</b>
		Blood Pressure and body temperature	2.5 marks	
OR	iv.	Structure of human body	3 marks	<b>5</b>
		Diagram	2 marks	
Q.3	i.	Causes of unconsciousness 4 points	(0.5 mark *4)	<b>2</b>
	ii.	Fracture of skull	3 marks	<b>8</b>
		Diagram of skull	2 marks	
		First aid treatment	3 marks	

OR	iii.	Definition of glial cells	2 marks	<b>8</b>
		Importance of glial cells	3 marks	
		Functions of glial cells	3 marks	
Q.4	i.	Definition of cardiac arrest	1.5 marks	<b>3</b>
		Definition of respiratory distress	1.5 marks	
	ii.	Definition of CPR	1 mark	<b>7</b>
		Types of CPR	2 marks	
		Explanation of each component with diagram	4 marks	
OR	iii.	Introduction of circulatory system	2 marks	<b>7</b>
		Diagram and labelling	3 marks	
		Functions of plasma protein 4 points (0.5 mark *4)	2 marks	
Q.5	i.	Introduction to foreign body	1 mark	<b>4</b>
		Symptoms of foreign body	1 mark	
		First aid treatment 4 points	2 marks	
	ii.	Bandages introduction	1 mark	<b>6</b>
		Types of bandages	1 mark	
		Explanation of triangular and roller bandages with diagram	4 marks	
OR	iii.	Bleeding definition	1 mark	<b>6</b>
		Types of bleeding	1 mark	
		Pressure point Location with diagram	3 marks	
		Injury related to pressure point	1 mark	
Q.6		Attempt any two:		
	i.	Rule of Nine in burns	3 marks	<b>5</b>
		Diagram	2 marks	
	ii.	Principles of transportation of casualty	2 marks	<b>5</b>
		Name of methods and explanation on any one with diagram	3 marks	
	iii.	Definition of fracture	1 mark	<b>5</b>
		Types of fracture with explanation	3 marks	
		Signs and symptoms of fracture	1 mark	

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