

Enrollment No.....



Faculty of Engineering  
End Sem (Even) Examination May-2019  
FT3CO10 / OE00029 Paramedics

Programme: B.Tech.

Branch/Specialisation: All

**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 sole of foot is called- **1**  
(a) Proximal (b) Planter (c) Anterior (d) Posterior
- ii. The normal circulation of blood in the body organ is called- **1**  
(a) Perfusion (b) Hypoperfusion  
(c) Shock (d) All of these
- iii. All the voluntary and involuntary activity of the body is controlled by: **1**  
(a) Circulatory System (b) Nervous system  
(c) Skeleton system (d) Endocrine system
- iv. Central Nervous system is made up of- **1**  
(a) Bones & skull (b) Brain & Spinal cord  
(c) Both (a) and (b) (d) None of these
- v. Leaf like structure present in the interior portion of the pharynx is called- **1**  
(a) Epiglottis (b) Larynx (c) Wind pipe (d) Cricoid cartilage
- vi. 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
- vii. Stroke can be caused due to **1**  
(a) Blood clot in an artery in the hand  
(b) Blood clot in a Vein in the leg  
(c) Blood clot in an artery in the brain  
(d) Blood clot in an artery in the heart

P.T.O.

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- viii. What should be your first action when treating a chemical burn? **1**  
 (a) Wash the burn with cold water  
 (b) Check the linkage of chemical  
 (c) Wash with dry powder  
 (d) Wash with oil
- ix. How should you open the airway of an unconscious casualty? **1**  
 (a) Head tilt and jaw thrust (b) Head tilt and chin lift  
 (c) Jaw thrust (d) Lift the chin
- x. The muscles that move the body are called **1**  
 (a) Voluntary muscles (b) Involuntary muscles  
 (c) Ligaments (d) Hinge joint
- Q.2 i. Why is anatomical terminology necessary? **2**  
 ii. What are the three main goals of First Aid also known as the 3P's? **3**  
 iii. Explain the role of the first aid & sequence of action on arrival at scene. **5**
- OR iv. Describe in detail about the structure of human body with diagram. **5**
- Q.3 Attempt any two:  
 i. Draw the labelled diagram of Nervous system. Also mention the role of different parts of nervous system. **5**  
 ii. Write the causes of unconsciousness. What measures should be taken to manage the unconscious casualty? **5**  
 iii. How fracture of skull occurs in human body explain with a diagram and how you will provide the first aid treatment for it? **5**
- Q.4 i. State the Signs & Symptoms of a patient with breathing difficulty. **2**  
 ii. List the signs of inadequate artificial ventilations. **3**  
 iii. Describe the emergency medical care of the patient experiencing chest pain / discomfort. **5**
- OR iv. Explain the importance of prehospital advanced cardiac life support. **5**
- Q.5 i. Explain Wound bleeding. **2**  
 ii. Classify the types of wounds. **3**  
 iii. Explain the case of wounds bleeding from special sites. **5**
- OR iv. Explain the broad & narrow fold bandages, hard bandages slings. **5**

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- Q.6 Attempt any two:  
 i. Write the classification of fractures, what is the role of stretchers. **5**  
 ii. Explain the principles of immobilisation sprains & dislocation. **5**  
 iii. Explain the skin Bruns rules. Also draw the diagram. **5**

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**Marking Scheme**  
**FT3CO10 / OE00029 Paramedics**

Q.1	i.	The surface of the sole of foot is called-	1
		(b) Planter	
	ii.	The normal circulation of blood in the body organ is called-	1
		(d) All of these	
	iii.	All the voluntary and involuntary activity of the body is controlled by:	1
		(c) Skeleton system	
	iv.	Central Nervous system is made up of-	1
		(b) Brain & Spinal cord	
	v.	Leaf like structure present in the interior portion of the pharynx is called-	1
		(a) Epiglottis	
	vi.	Reason for applying a bandage can include-	1
		(a) Protecting a wound	
	vii.	Stroke can be caused due to	1
		(d) Blood clot in an artery in the heart	
	viii.	What should be your first action when treating a chemical burn?	1
		(a) Wash the burn with cold water	
	ix.	How should you open the airway of an unconscious casualty?	1
		(b) Head tilt and chin lift	
	x.	The muscles that move the body are called	1
		(a) Voluntary muscles	
Q.2	i.	Anatomical terminology necessary	2
		Any four reasons 0.5 mark for each (0.5 mark * 4)	
	ii.	Three main goals of First Aid also known as the 3P's	3
		1 mark for each (1 mark * 3)	
	iii.	Role of the first aid	5
		Action on arrival at scene.	2.5 marks
	OR	iv.	5
		Structure of human body with diagram.	
Q.3		Main organs one mark for each (1 mark * 5)	
		Attempt any two:	
	i.	Diagram of Nervous system	5
		Role of different parts of nervous system	2.5 marks
	ii.	Causes of unconsciousness	5
		Measures should be taken to manage the unconscious casualty	2.5 marks

iii.	Fracture of skull occurs in human body with diagram		5
			2.5 marks
	Provide the first aid treatment for it		2.5 marks
Q.4	i.	Signs & Symptoms of a patient with breathing difficulty.	2
	ii.	Signs of inadequate artificial ventilations.	3
		At least 6 points 0.5 mark for each (0.5 mark * 6)	
	iii.	Emergency medical care of the patient experiencing chest pain / discomfort.	5
OR		1 mark for each point (1 mark * 5)	
	iv.	Importance of prehospital advanced cardiac life support	5
		1 mark for each (1 mark * 5)	
Q.5	i.	Definition of Wound bleeding.	2
	ii.	Classification types of wounds.	3
	iii.	Case of wounds bleeding from special sites.	5
		Reasons with site 1 mark for each (1 mark * 5)	
OR	iv.	Broad & narrow fold bandages	5
		2.5 marks	
		Hard bandages slings.	2.5 marks
Q.6		Attempt any two:	
	i.	Classification of fractures and role of stretchers.	5
	ii.	Principles of immobilisation sprains & dislocation.	5
	iii.	Skin Burns rules with diagram.	5

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