



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE-35.



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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

DEPARTMENT OF AUTOMOBILE ENGINEERING

COURSE NAME : 19AUE308 - SPECIAL VEHICLES

III YEAR /VI SEMESTER

Unit 4- Cranes and Special Utility Vehicles

Topic 8: Ambulance and its features



CONTENT



- Introduction
- Need for ambulance
- Types of ambulance
- Layout
- Applications



INTRODUCTION



- ❖ An ambulance is a medically equipped vehicle which transports patients to treatment facilities, such as hospitals.
- ❖ Typically, out-of-hospital medical care is provided to the patient.
- ❖ Ambulances are used to respond to medical emergencies
- ❖ For this purpose, they are generally equipped with flashing warning lights and sirens.





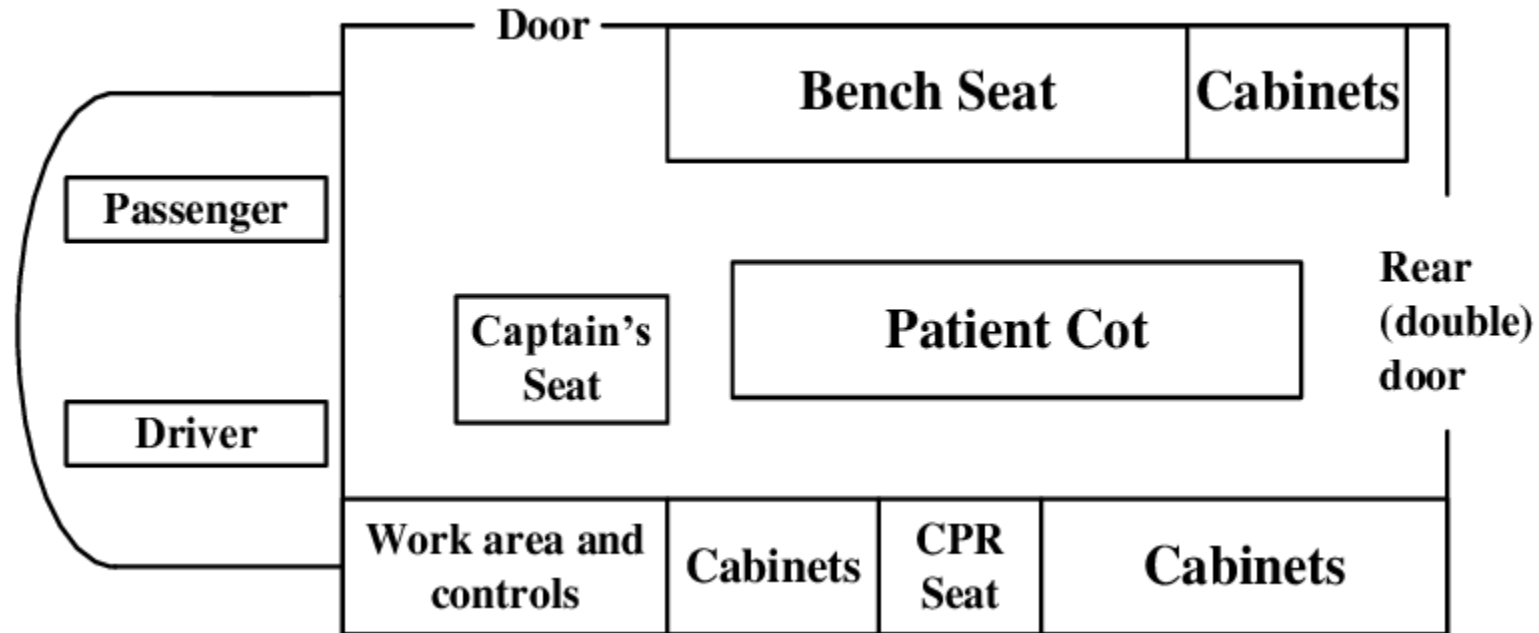
NEED FOR AMBULANCE



- During Medical Emergency, it is not advisable to transport the patient through conventional vehicle
- Since the patient will not get medical support in the normal vehicles.
- In order to save the life of Individual and to carry them at correct time to the hospital, the Ambulance is used.



AMBULANCE LAYOUT





TYPES OF AMBULANCE



- Emergency Ambulance
- Patient Transport Ambulance
- Ambulance Bus
- Charity Ambulance
- Bariatric Ambulance
- Rapid organ recovery ambulance
- Psychiatric Ambulance



MEDICAL EQUIPMENTS IN AMBULANCE



- ❖ Jump bag
- ❖ Bag valve mask (BVM)
- ❖ Suction unit
- ❖ Trauma/spinal board.
- ❖ Cervical collar.
- ❖ Medication bag
- ❖ ECG monitor with defibrillator
- ❖ Ventilators.



APPLICATION

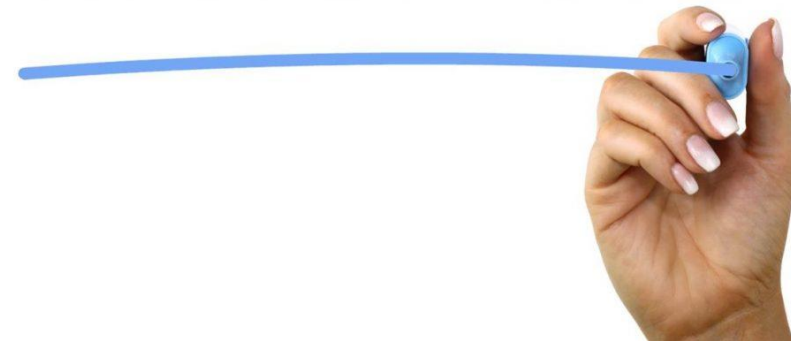
- To transport the emergency patients from their location to the hospitals
- To carry the organs
- To carry the psychiatric patients
- To carry dead bodies





1. Mention components in the Ambulance?
2. Mention the application of ambulance.
3. What are the different types of ambulance?

ASSESSMENT

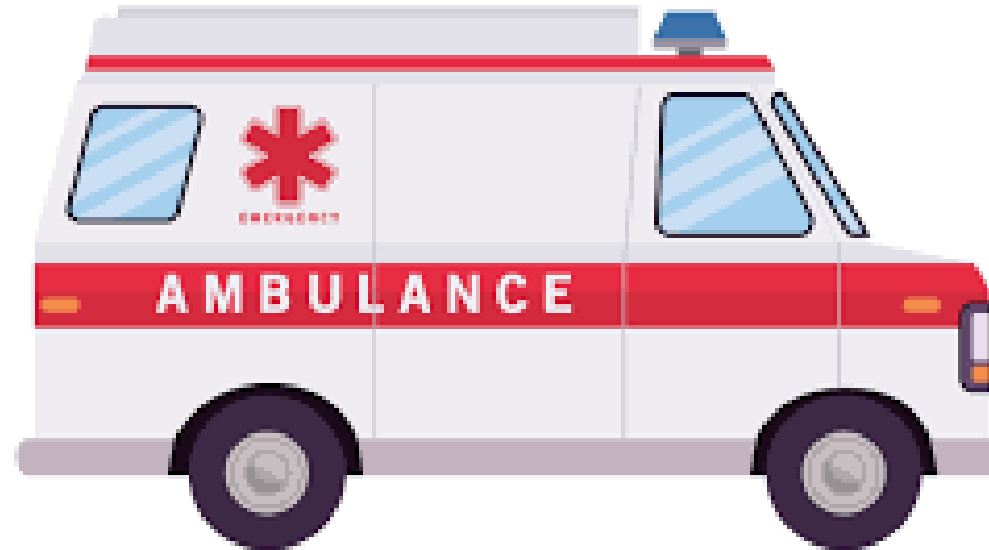




REFERENCE



- ❖ <https://www.parkwayeast.com.sg/healthplus/article/inside-ambulance>
- ❖ <https://www.youtube.com/watch?v=WCgKGa1hCMY>
- ❖ <https://en.wikipedia.org/wiki/Ambulance>



THANK YOU !!!