



# **SNS COLLEGE OF TECHNOLOGY**

**(An Autonomous Institution)**

**COIMBATORE-35.**



Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

## **DEPARTMENT OF AUTOMOBILE ENGINEERING**

### **COURSE NAME : 19AUE308 - SPECIAL VEHICLES**

**III YEAR /VI SEMESTER**

**Unit 5- Military and Motorsports Vehicles**

**Topic: Battle Tank**



# CONTENT



- Introduction
- Components
- Constructions
- Advantages & Disadvantages
- Manufacturing Companies



# INTRODUCTION

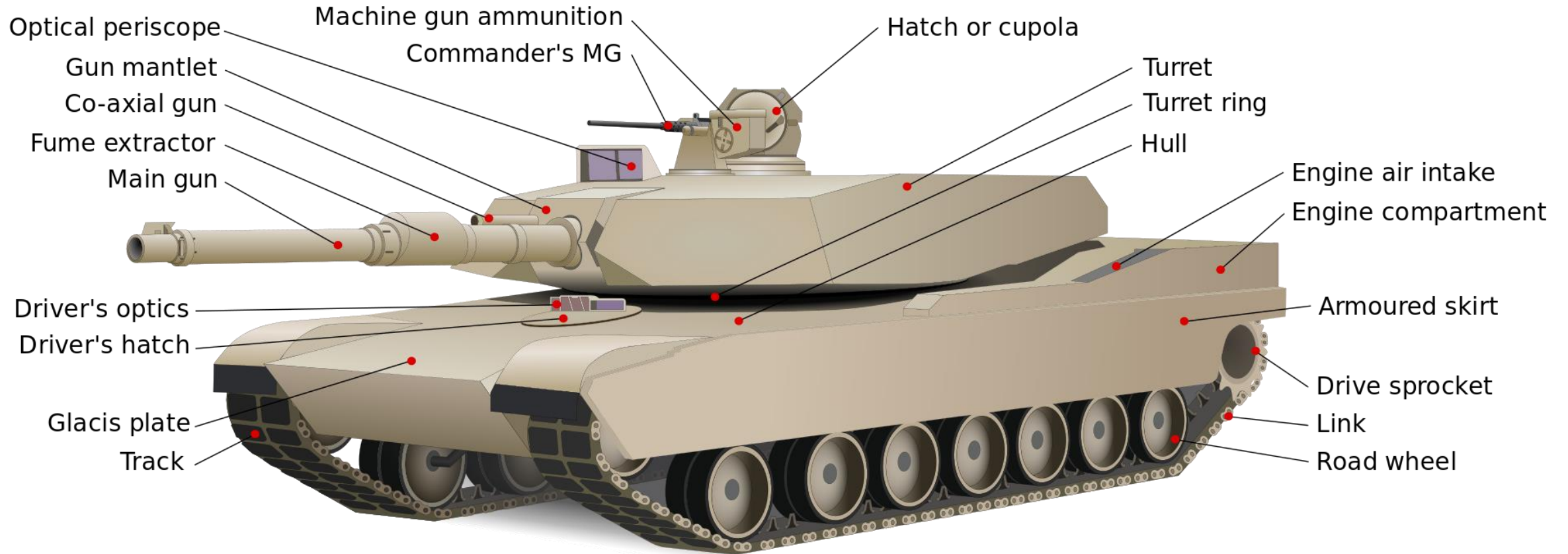


- A **tank** is an armoured fighting vehicle designed for front-line combat.
- Tanks have heavy fire power, strong armour and good battle field manoeuvrability provided by tracks and a powerful engine.
- They are a mainstay of modern 20th and 21st century ground forces and a key part of combined arms combat.





# COMPONENTS





# CONSTRUCTION



- The hull is the bottom part of the tank where the driver cabin is located.
- The turret is the top part of the tank where the main gun is fixed.
- The main gun can be rotated freely by the use of turret ring.
- The loading for the main gun is done inside the hull.







# CONSTRUCTION



- Tank is equipped with the armoured skirt for protecting from opposite army bullets.
- The tank is moved by means of tracks instead of tyres.
- The view for the driver to drive the tank is given by the use of Optical periscope.
- The driver hatch is the entry door for the tank driver and it is provided in between the

hull and the turret





# ADVANTAGES



- Good frontline vehicle in Army.
- Protection by Armoured Skirt.
- Can move in Different Terrains.





# DISADVANTAGES



- High Capital cost.
- Requires Skill Operators.
- Cannot carry soldiers.







# MANUFACTURING COMPANIES



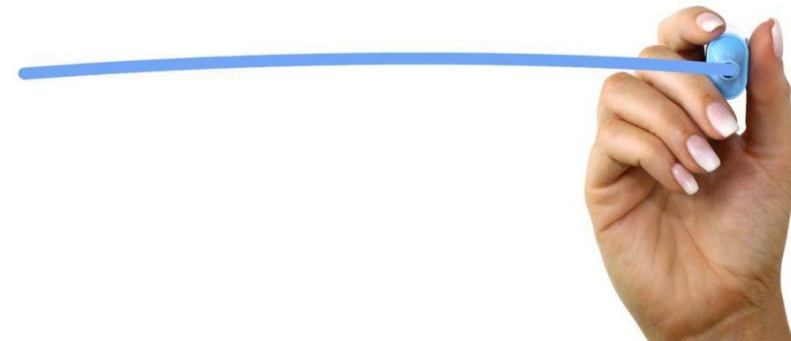
## ❖ Heavy Vehicles Factory at Avadi





1. What is turret?
2. The driver hatch is located in \_\_\_\_\_
3. What is the special features of tank?

ASSESSMENT





## REFERENCE



- [https://en.wikipedia.org/wiki/Main\\_battle\\_tank](https://en.wikipedia.org/wiki/Main_battle_tank)
- <https://www.youtube.com/watch?v=TEHa2izgkQw>
- <https://www.youtube.com/watch?v=SdL55HWNPRM&t=52s>



**THANK YOU !!!**