POWER MECHANICS GRADE 10 ANSWERS

SECTION A (30 MARKS)

1. Reason for studying Power Mechanics (1 mark)

I. To **understand how machines and engines work**
II. To **acquire practical skills in repairing and maintaining machines**
III. To **prepare for careers in automotive, engineering, and mechanical fields**
IV. To **improve efficiency in industrial and domestic machines**
V. Alternative phrasing: Learn about energy conversion, engines, and vehicle systems

2. Contribution of Karl Benz (1 mark)

I. Invented the **first practical automobile powered by an internal combustion engine**
II. Developed the **Benz Patent-Motorwagen (1885/1886)**
III. Alternative phrasing: Pioneered modern cars, engine-powered vehicles

3. Development of motor vehicles improving transport (1 mark)

I. **Faster movement of goods and people over long distances**
II. **Enhanced accessibility to remote areas**
III. **Reduced travel time compared to walking or animal transport**
IV. **Improved trade and economic activities**
V. Examples: Delivery trucks, passenger buses, emergency ambulances

4. Functions of workbenches (2 marks)

I. Provide a **stable surface for mechanical work / assembly**
II. **Support materials and tools during repairs or fabrication**
III. Optional: Allow **measurement, marking, and cutting of components**

For Marking Schemes, Contact Kenya Educators Consultancy 0724 333 200 OR

Subscribe to our website www.kenyaeducators.co.ke for similar resources