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1. In commercial vehicle layouts engine is located forward, rear or under floor mainly to

- a. Better utilization of space
- b. Increase fuel economy
- c. Better weight distribution
- d. Reduce the weight of chassis

Ans: c

2. The type of air cycle used in diesel engine is called

- a. Otto cycle
- b. Carnot cycle
- c. Diesel cycle
- d. Rankine cycle

Ans: c

3. During suction stroke the pressure inside the cylinder is

- a. Equal to atmospheric pressure
- b. Above atmospheric pressure
- c. Above or below atmospheric pressure
- d. Below atmospheric pressure

Ans: d

4. During compression stroke the air is compressed according to

- a. Isothermal process
- b. Hyperbolic process
- c. Adiabatic process
- d. Constant pressure process

Ans: c

5. The heat is added in the cycle at

- a. Constant pressure
- b. Constant volume
- c. Approximately constant pressure and constant volume

Ans: c

6. The fuel injected when pressure in the cylinder reaches the point on the curve

- a. 1
- b. 2
- c. 3
- d. 4

Ans: c

7. The crankcase scavenging the the crankcase or underside of the piston acts as

- a. An air compressor
- b. A blower
- c. A ventilator

d. A breather

Ans: a

8. The two-stroke engine has valve ports in the

a. Pistons

b. Cylinder walls

c. Piston rings

Ans: b

9. The temperature of the piston will be more at

a. The piston walls

b. The crown of the piston

c. The skirt of the piston

d. The piston pin

Ans: b

10. Connecting rods are generally of the following from

a. Forged round section steel

b. Cast steel triangular section

c. Forged square section steel

d. Forged I section steel

Ans: d