Assignment 03

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Due on 2019-02-20, 23:59 IST.

1) A Carburator can be found in

- [ ] SI engines only
- [ ] CI engines only
- [ ] Steam engines only
- [ ] All IC engines

No, the answer is incorrect.
Score: 0
Accepted Answers:
SI engines only

2) For the same compression ratio and heat addition, the efficiency order of Otto, dual and diesel cycle is

- [ ] \(\eta_{\text{otto}} > \eta_{\text{diesel}} > \eta_{\text{dual}}\)
- [ ] \(\eta_{\text{diesel}} > \eta_{\text{otto}} > \eta_{\text{dual}}\)
- [ ] \(\eta_{\text{otto}} > \eta_{\text{dual}} > \eta_{\text{diesel}}\)
- [ ] \(\eta_{\text{diesel}} > \eta_{\text{dual}} > \eta_{\text{otto}}\)

No, the answer is incorrect.
Score: 0
Accepted Answers:
\(\eta_{\text{otto}} > \eta_{\text{dual}} > \eta_{\text{diesel}}\)
4) The float in the carburetor of an engine controls
   - Flow rate of air
   - Flow rate of fuel
   - Flow rate of air-fuel mixture
   - Level of petrol in the float chamber.
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   - Engine cylinder

5) During idling, a petrol engine requires
   - Rich mixture
   - Lean mixture
   - Chemically correct mixture
   - Any air-fuel mixture can be used
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   - Level of petrol in the float chamber.

6) An engine requires a lean air mixture during
   - Idling
   - Starting
   - Cruising
   - Accelerating
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   - Rich mixture

7) During starting, a petrol engine requires
   - Stoichiometric mixture
   - Rich mixture
   - Lean mixture
   - Any air-fuel mixture can be used
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   - Cruising

8) For a lean air-fuel mixture
   - Efficiency of the engine is less.
9) “A simple carburetor is capable of supplying the correct air-fuel mixture for varying engine load and speed.” This statement is **False**.

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
False

10) The equivalence ratio is the ratio between actual fuel-air ratio to the stoichiometric fuel-air ratio.” This statement is **True**.

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
True