

## Single Phase Motors MCQ Questions and Answers Pdf

1. Which of the following single phase motors has relatively poor starting torque?

- a. universal motor
- b. repulsion motor
- c. capacitor motor
- d. all single phase motors have zero starting torque

Ans: C

2. The direction of rotation of universal motor can be reversed by reversing the flow of current through

- a. armature winding
- b. field winding
- c. either armature winding or field winding
- d. none of the above

Ans: C

3. In which single phase motor, the rotor has no teeth or winding?

- a. Split phase motor
- b. Reluctance motor
- c. Hysteresis motor
- d. Universal motor

Ans: C

4. The rotor of a hysteresis motor is made of

- a. aluminium
- b. cast iron
- c. chrome steel
- d. copper

Ans: C

5. The electric motor used in portable drills is

- a. capacitor run motor
- b. hysteresis motor
- c. universal motor
- d. repulsion motor

Ans: C

6. In split phase motor main winding is of

- a. thin wire placed at the top of the slots
- b. thin wire placed at the bottom of the slots
- c. thick wire placed at the bottom of the slots
- d. thick wire placed at the top of the slots

Ans: C

7. Speed torque characteristic of a repulsion induction motor is similar to that of a D.C.

- a. shunt motor

- b. series motor
- c. compound motor
- d. separately excited motor

Ans: C

8. The capacitors used in single phase capacitor motors have no

- a. voltage rating
- b. dielectric medium
- c. polarity marking
- d. definite value

Ans: C

9. Locked rotor current of a shaped pole motor is

- a. equal to full load current
- b. less than full load current
- c. slightly more than full load current
- d. several times the full load current

Ans: C

10. The starting winding of a single phase motor is placed in

- a. armature
- b. field
- c. rotor
- d. stator

Ans: D

meritnotes.com