

**Code No:53025****Set No. 1****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****II B.Tech. I Sem., II Mid-Term Examinations, December- 2011****BASIC ELECTRICAL ENGINEERING****Objective Exam****Name: \_\_\_\_\_ Hall Ticket No.**

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**Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.****I Choose the correct alternative:**

1. Difference in speed between stator field and rotor [      ]  
(a) Full load speed (b) No load speed (c) Slip (d) Regulation
2. When rotor is at standstill [      ]  
(a) slip is zero (b) slip is one (c) Any slip (d) Slip is infinity
3. The Commutator in a dc machine can be convert [      ]  
(a) ac to dc (b) dc to ac (c) both a and b (d) None of the above
4. The emf produced in the dc generator is \_\_\_\_ induced emf [      ]  
(a) Statically (b) Dynamically (c) magnetically (d) Electrostatically
5. Fleming's left hand rule is applicable for: [      ]  
(a) dc generator (b) dc motor (c) alternator (d) Transformer
6. DC generator operates on the principle of [      ]  
(a) electro magnetic induction (b) Lenz's law (c) Biov Savart's law (d) none of thes
7. The armature torque of the dc shunt motor is proportional to [      ]  
(a) armature current only (b) field flux only  
(c) armature current and flux both (d) None
8. PMMC is used for measuring [      ]  
(a) DC (b) AC (c) AC&DC (d) None
9. MI instrument is used to measure [      ]  
(a) AC (b) DC (c) AC&DC (d) NONE
10. Motor which should not run at no-load is [      ]  
(a) Series motor (b) shunt motor (c) compound motor (d) induction motor

**Cont.....2**

**Code No: 53025****:2:****Set No. 1****II Fill in the Blanks:**

11. Emf equation of generator is \_\_\_\_\_
12. Yoke is made of which material \_\_\_\_\_
13. Losses in DC machine are \_\_\_\_\_
14. Slip= \_\_\_\_\_
15. Types of rotors in 3-phase induction motor \_\_\_\_\_
16. Types of windings in dc generator \_\_\_\_\_
17. Types of DC motors \_\_\_\_\_
18. In DC shunt motor the Torque is directly propotional to \_\_\_\_\_
19. Example of absolute instrument \_\_\_\_\_
20. Example of integrating instrument \_\_\_\_\_

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**Code No:53025****Set No. 2****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****II B.Tech. I Sem., II Mid-Term Examinations, December- 2011****BASIC ELECTRICAL ENGINEERING****Objective Exam****Name: \_\_\_\_\_ Hall Ticket No.**

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**Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.****I Choose the correct alternative:**

1. The emf produced in the dc generator is \_\_\_\_ induced emf [      ]  
(a) Statically (b) Dynamically (c) magnetically (d) Electrostatically
2. Fleming's left hand rule is applicable for: [      ]  
(a) dc generator (b) dc motor (c) alternator (d) Transformer
3. DC generator operates on the principle of [      ]  
(a) electro magnetic induction (b) Lenz's law (c) Biov Savart's law (d) none of thes
4. The armature torque of the dc shunt motor is proportional to [      ]  
(a) armature current only (b) field flux only  
(c) armature current and flux both (d) None
5. PMMC is used for measuring [      ]  
(a) DC (b) AC (c) AC&DC (d) None
6. MI instrument is used to measure [      ]  
(a) AC (b) DC (c) AC&DC (d) NONE
7. Motor which should not run at no-load is [      ]  
(a) Series motor (b) shunt motor (c) compound motor (d) induction motor
8. Difference in speed between stator field and rotor [      ]  
(a) Full load speed (b) No load speed (c) Slip (d) Regulation
9. When rotor is at standstill [      ]  
(a) slip is zero (b) slip is one (c) Any slip (d) Slip is infinity
10. The Commutator in a dc machine can be convert [      ]  
(a) ac to dc (b) dc to ac (c) both a and b (d) None of the above

**Cont.....2**

**Code No: 53025****:2:****Set No. 2****II Fill in the Blanks:**

11. Slip=\_\_\_\_\_
12. Types of rotors in 3-phase induction motor \_\_\_\_\_
13. Types of windings in dc generator\_\_\_\_\_
14. Types of DC motors \_\_\_\_\_
15. In DC shunt motor the Torque is directly propotional to \_\_\_\_\_
16. Example of absolute instrument \_\_\_\_\_
17. Example of integrating instrument \_\_\_\_\_
18. Emf equation of generator is \_\_\_\_\_
19. Yoke is made of which material \_\_\_\_\_
20. Llosses in DC machine are \_\_\_\_\_

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**Code No:53025****Set No. 3****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****II B.Tech. I Sem., II Mid-Term Examinations, December- 2011****BASIC ELECTRICAL ENGINEERING****Objective Exam****Name: \_\_\_\_\_ Hall Ticket No.**

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**Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.****I Choose the correct alternative:**

1. DC generator operates on the principle of [      ]  
(a) electro magnetic induction (b) Lenz's law (c) Biov Savart's law (d) none of thes
2. The armature torque of the dc shunt motor is proportional to [      ]  
(a) armature current only (b) field flux only  
(c) armature current and flux both (d) None
3. PMMC is used for measuring [      ]  
(a) DC (b) AC (c) AC&DC (d) None
4. MI instrument is used to measure [      ]  
(a) AC (b) DC (c) AC&DC (d) NONE
5. Motor which should not run at no-load is [      ]  
(a) Series motor (b) shunt motor (c) compound motor (d) induction motor
6. Difference in speed between stator field and rotor [      ]  
(a) Full load speed (b) No load speed (c) Slip (d) Regulation
7. When rotor is at standstill [      ]  
(a) slip is zero (b) slip is one (c) Any slip (d) Slip is infinity
8. The Commutator in a dc machine can be convert [      ]  
(a) ac to dc (b) dc to ac (c) both a and b (d) None of the above
9. The emf produced in the dc generator is \_\_\_\_ induced emf [      ]  
(a) Statically (b) Dynamically (c) magnetically (d) Electrostatically
10. Fleming's left hand rule is applicable for: [      ]  
(a) dc generator (b) dc motor (c) alternator (d) Transformer

**Cont.....2**

**Code No: 53025****:2:****Set No. 3****II Fill in the Blanks:**

11. Types of windings in dc generator\_\_\_\_\_
12. Types of DC motors\_\_\_\_\_
13. In DC shunt motor the Torque is directly propotional to \_\_\_\_\_
14. Example of absolute instrument \_\_\_\_\_
15. Example of integrating instrument\_\_\_\_\_
16. Emf equation of generator is \_\_\_\_\_
17. Yoke is made of which material\_\_\_\_\_
18. Losses in DC machine are\_\_\_\_\_
19. Slip=\_\_\_\_\_
20. Types of rotors in 3-phase induction motor \_\_\_\_\_

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**Code No:53025****Set No. 4****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****II B.Tech. I Sem., II Mid-Term Examinations, December- 2011****BASIC ELECTRICAL ENGINEERING****Objective Exam****Name: \_\_\_\_\_ Hall Ticket No.**

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**Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.****I Choose the correct alternative:**

1. PMMC is used for measuring [      ]  
(a) DC                      (b) AC                      (c) AC&DC                      (d) None
2. MI instrument is used to measure [      ]  
(a) AC                      (b) DC                      (c) AC&DC                      (d) NONE
3. Motor which should not run at no-load is [      ]  
(a) Series motor                      (b) shunt motor                      (c) compound motor                      (d) induction motor
4. Difference in speed between stator field and rotor [      ]  
(a) Full load speed                      (b) No load speed                      (c) Slip                      (d) Regulation
5. When rotor is at standstill [      ]  
(a) slip is zero                      (b) slip is one                      (c) Any slip                      (d) Slip is infinity
6. The Commutator in a dc machine can be convert [      ]  
(a) ac to dc                      (b) dc to ac                      (c) both a and b                      (d) None of the above
7. The emf produced in the dc generator is \_\_\_\_ induced emf [      ]  
(a) Statically                      (b) Dynamically                      (c) magnetically                      (d) Electrostatically
8. Fleming's left hand rule is applicable for: [      ]  
(a) dc generator                      (b) dc motor                      (c) alternator                      (d) Transformer
9. DC generator operates on the principle of [      ]  
(a) electro magnetic induction                      (b) Lenz's law                      (c) Biov Savart's law                      (d) none of thes
10. The armature torque of the dc shunt motor is proportional to [      ]  
(a) armature current only                      (b) field flux only  
(c) armature current and flux both                      (d) None

**Cont.....2**

**Code No: 53025****:2:****Set No. 4****II Fill in the Blanks:**

11. In DC shunt motor the Torque is directly propotional to \_\_\_\_\_
12. Example of absolute instrument \_\_\_\_\_
13. Example of integrating instrument \_\_\_\_\_
14. Emf equation of generator is \_\_\_\_\_
15. Yoke is made of which material \_\_\_\_\_
16. Losses in DC machine are \_\_\_\_\_
17. Slip= \_\_\_\_\_
18. Types of rotors in 3-phase induction motor \_\_\_\_\_
19. Types of windings in dc generator \_\_\_\_\_
20. Types of DC motors \_\_\_\_\_

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