



<https://shikshamentor.com/elements-of-electrical-engg-sem-ii-msbte-k-scheme/>

**312315 - Elements of Electrical Engg.
(Sem II)**

As per MSBTE's K Scheme

EJ / ET / AO / DE / EX / IC / IE / IS / MU / TE

Unit IV		Fractional horse power motors		Marks - 14	
S. N.	MSBTE Board Asked Questions	Exam Year	Marks		
1.	State the types of single phase induction motors.	W-2018	2M		
2.	Draw schematic representation of capacitor start capacitor run induction motor. Also state its applications.	W-2018	4M		
3.	Explain principle of operation of universal motor with neat diagram.	W-2018	4M		
4.	Write any two applications of following motors - (i) Universal motor (ii) Stepper motor	W-2018	4M		
5.	Explain the working principle of stepper motor and explain any one type with neat sketch.	W-2018	6M		
6.	List different types of stepper motor. State one application of stepper motor.	S-2018	2M		
7.	Draw and explain split phase induction motor	S-2018	4M		
8.	Explain in brief the working of universal motor.	S-2018	4M		
9.	With neat sketch give the working of shaded pole induction motor.	S-2018	4M		
10.	Draw schematic diagram of capacitor start capacitor run	S-2018	6M		

	induction motor. Give any two applications of the same.		
11.	Suggest suitable motor for following applications- (i) Food Mixer (ii) Electric Fan	S-2019	2M
12.	Draw a neat schematic of shaded pole 1f Induction motor. List any two applications of it.	S-2019	4M
13.	List any four applications of stepper motor.	S-2019	4M
14.	Draw a neat sketch of permanent capacitor 1f induction motor. Explain its working.	S-2019	4M
15.	Draw a neat schematic of universal motor. State its principle of operations. Write the method for reversal of direction.	S-2019	6M
16.	Write any two applications of each motor. (i) Universal motor (ii) Stepper motor	W-2019	2M
17.	Explain the principle of operation of capacitor start capacitor run motor.	W-2019	4M
18.	Explain principle of operation of universal motor with neat diagram.	W-2019	4M
19.	Explain how direction of rotation of universal motor is reversed.	W-2019	4M
20.	Explain the principle of working of stepper motor with a neat diagram.	W-2019	6M
21.	Write any two applications of Stepper Motor	S-2022	2M
22.	Draw schematic representation of single phase split phase type of Induction Motor and write its applications.	S-2022	4M

23.	Draw and label constructional diagram of Shaded Pole Induction motor. Write any two applications of it.	S-2022	4M
24.	Why single phase Induction Motor is not self starting ? How can it be made self starting ?	S-2022	4M
25.	Draw and explain working principle of Universal Motor. How direction of rotation is reversed in it ?	S-2022	6M
26.	State the types of single phase induction motors.	W-2022	2M
27.	Draw and explain split phase induction motor.	W-2022	4M
28.	Explain principle of operation of shaded pole motor with neat diagram.	W-2022	4M
29.	Write any two applications of following motor : (i) Universal motor (ii) Stepper motor	W-2022	4M
30.	Explain principle of operation of permanent capacitor motor with neat diagram. Also state any four applications of permanent capacitor motor.	W-2022	6M
31.	Define FHP Motor.	SAMPLE PAPER	2M
32.	Write principle of operation of Split Phase Induction Motor.	SAMPLE PAPER	4
33.	Explain principle of operation of Universal motor with neat diagram.	SAMPLE PAPER	4M
34.	State the types of stepper motor. Explain working of any one type of Stepper Motor.	SAMPLE PAPER	4M
35.	Write any two applications of each of the following motor: (i) Universal Motor (ii) Stepper Motor (iii) Capacitor Start Induction Run Motor .	SAMPLE PAPER	6M

36.	Write any two applications of Stepper Motor	W-2023	2M
37.	Draw schematic representation of single phase phase type of Induction Motor and write its applications.	W-2023	4M
38.	Draw and explain in brief the working universal motor.	W-2023	4M
39.	Draw and explain split phase induction motor.	W-2023	4M
40.	Draw schematic diagram of capacitor start capacitor run induction motor. Give any two applications of the same.	W-2023	6M

Thank You

<https://shikshamentor.com/elements-of-electrical-engg-sem-ii-msbte-k-scheme/>

Visit

<https://shikshamentor.com/>

