

https://shikshamentor.com/elements-ofelectrical-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 V Electrical protective devices		Marks - 12	
S. N.	MSBTE Board Asked Questions	Exam Year	Marks
1.	List the types of Fuses.	W-2018	2M
2.	Explain pipe earthing with a neat labelled diagram.	W-2018	4M
3.	State the function of the fuse and material used for fuse.	W-2018	4M
4.	Explain the need of earthing in electrical systems. State the types of earthing and any two advantages of earthing.	W-2018	6M
5.	Explain with neat diagram, operation of ELCB and two applications.	W-2018	6M
6.	State function of ELCB.	S-2018	2M
7.	Give the working of MCCB.	S-2018	4M
8.	Give the function of fuse and switch.	S-2018	4M
9.	What is earthing? Give the importance of earthing	S-2018	6M
10.	Write two applications of each of the following:	S-2018	6M

11.   Write any four major points related to rewirable fuse.   S-2019   41     12.   Write any four major points related to rewirable fuse.   S-2019   41     13.   any two applications of it.   S-2019   61     14.   (i) State any three methods of reducing earthing resistance.   S-2019   61     14.   (ii) Write any three major points related to IE rules relevant to earthing.   S-2019   61     15.   State any two methods of reducing earth resistance.   W-2019   21     16.   Explain the importance of earthing   W-2019   41     17.   Explain the operation of each of the following   W-2019   41     18.   (i) Fuse   W-2019   61     (ii) ELCB   Write any two applications of each of the following   UV-2019   61		(i) Fuse		
11.List any two factors that affect earthing.S-20192112.Write any four major points related to rewirable fuse.S-20194113.With neat sketch explain principle of operation of ELCB. Write any two applications of it.S-20196114.(i) State any three methods of reducing earthing resistance. to earthing.S-20196115.State any three major points related to IE rules relevant to earthing.S-20196116.Explain the importance of earthing (i) ELCBW-20194117.Explain the operation of fuse with neat diagram (i) ELCBW-20196118.(i) Fuse (ii) ELCBWrite any two applications of each of the following (ii) ELCBW-20196119.(ii) MCCB (iii) MCBW-201961		(ii) MCB		
11.StateState12.Write any four major points related to rewirable fuse.S-20194113.With neat sketch explain principle of operation of ELCB. Write any two applications of it.S-20196113.(i) State any three methods of reducing earthing resistance. to earthing.S-20196114.(ii) Write any three major points related to IE rules relevant to earthing.S-20196115.State any two methods of reducing earth resistance. W-2019W-20192116.Explain the importance of earthing (ii) Fuse (ii) Fuse (ii) ELCBW-20194118.(i) Fuse (ii) ELCBWrite any two applications of each of the following (i) ELCBW-20196119.(ii) MCCB (iii) MCBW-201961		(iii) MCCB		
12.3-20193-20194413.With neat sketch explain principle of operation of ELCB. Write any two applications of it.S-20196114.(i) State any three methods of reducing earthing resistance. to earthing.S-20196115.State any two methods of reducing earth resistance. to earthing.W-20192116.Explain the importance of earthing texplain the operation of each of the following (i) Fuse (ii) ELCBW-20194118.(i) Fuse (ii) ELCBWrite any two applications of each of the following (i) ELCBW-20196119.(ii) MCCB (iii) MCCBW-201961	11.	List any two factors that affect earthing.	S-2019	2M
13.any two applications of it.5-20196114.(i) State any three methods of reducing earthing resistance. (ii) Write any three major points related to IE rules relevant to earthing.5-20196115.State any two methods of reducing earth resistance.W-20192116.Explain the importance of earthingW-20194117.Explain the working of fuse with neat diagramW-20194118.(i) Fuse (ii) ELCBW-20196119.(ii) MCCB (iii) MCBW-201961	12.	Write any four major points related to rewirable fuse.	S-2019	<b>4M</b>
14.(ii) Write any three major points related to IE rules relevant to earthing.S-20196115.State any two methods of reducing earth resistance.W-20192116.Explain the importance of earthingW-20194117.Explain the working of fuse with neat diagramW-20194118.(i) Fuse (ii) ELCBW-20196119.(ii) MCCB (iii) MCBW-201961	13.		S-2019	6M
14.Commentation3-2019Offer15.State any two methods of reducing earth resistance.W-20192116.Explain the importance of earthingW-20194117.Explain the working of fuse with neat diagramW-20194118.(i) FuseW-201961(ii) ELCBWrite any two applications of each of the followingW-20196119.(ii) MCCBW-201961				
15.W-20192116.Explain the importance of earthingW-20194117.Explain the working of fuse with neat diagramW-20194118.(i) Fuse (ii) ELCBW-201961(ii) ELCBWrite any two applications of each of the following (i) ELCBW-20196119.(ii) MCCB (iii) MCBW-201961	14.		S-2019	6M
16.W 20134117.Explain the working of fuse with neat diagramW-20194117.Explain the operation of each of the followingW-20196118.(i) FuseW-201961(ii) ELCBWrite any two applications of each of the followingW-20196119.(ii) MCCBW-201961(iii) MCBW-201961	15.	State any two methods of reducing earth resistance.	W-2019	2M
17.Explain the operation of each of the followingW-20194418.(i) FuseW-201961(ii) ELCBWrite any two applications of each of the following(i) ELCB19.(ii) MCCBW-201961(iii) MCB(iii) MCBW-201961	16.	Explain the importance of earthing	W-2019	4M
18.(i) Fuse (ii) ELCBW-201961Write any two applications of each of the following (i) ELCB(i) ELCBW-20196119.(ii) MCCB (iii) MCBW-201961	17.	Explain the working of fuse with neat diagram	W-2019	<b>4M</b>
18.   W 2019   01     (ii) ELCB   Write any two applications of each of the following   0     (i) ELCB   W-2019   61     19.   (ii) MCCB   W-2019   61     (iii) MCB   0   0   0		Explain the operation of each of the following		
Write any two applications of each of the following Wite any two applications of each of the following   (i) ELCB W-2019   19. (ii) MCCB   (iii) MCB W-2019	18.	(i) Fuse	W-2019	6M
(i) ELCB 19. (ii) MCCB (iii) MCB W-2019 61		(ii) ELCB		
19.   (ii) MCCB   W-2019   61     (iii) MCB   0   0   0	19.	Write any two applications of each of the following		
(iii) MCB		(i) ELCB		
		(ii) MCCB	W-2019	6M
(iv) Fuse		(iii) MCB		
		(iv) Fuse		
20.Write any four factors affecting an Earth Resistance.S-202221	20.	Write any four factors affecting an Earth Resistance.	S-2022	2M

21.	Write any four IE rules relevant to Earthing.	S-2022	4M
22.	State the necessity of fuse. List the types of fuses.	S-2022	4M
23.	Which are the different types of earthing ? Draw and label any one type of Earthing.	S-2022	6M
24.	Draw and explain the working principle of ELCB. Write any two applications of it.	S-2022	6M
25.	List any two factors that affect on earth resistance.	W-2022	2M
	Write any two applications of each of the following :		
26.	(i) Fuse	W-2022	4M
	(ii) MCCB		
27.	Write any four major points related to rewireable fuse.	W-2022	4M
28.	State meaning of earthing and importance of earthing. Also explain any one type of earthing used in electrical installation.	W-2022	6M
29.	Explain with neat diagram, operation of ELCB and twoapplications.	W-2022	6M
30.	State various types of Fuses.	SAMPLE PAPER	2M
31.	Explain importance of Earthing.	SAMPLE PAPER	4M
32.	Explain with neat diagram operation of MCB	SAMPLE PAPER	4M
33.	Explain operation of each of the following: (i) Fuse and (ii) MCB	SAMPLE PAPER	6M
34.	Write any two applications of each of the following: (i) ELCB (ii) MCCB (iii) MCB and (iv) Fuse.	SAMPLE PAPER	6M
35.	List ant two factors that affect earthing.	W-2023	2M

36.	Write any four IE rules relevant to Earthing.	W-2023	<b>4M</b>
37.	With neat sketch explain principle of operation of ELCB. Write any two applications of it.	W-2023	6M
38.	Write any two applications of each of the following: (i) MCCB (ii) MCB and (iii) Fuse.	W-2023	6M

## **Thank You**

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