

9	Identify the material with highest electrical conductivity a)Aluminium c)Steel	b)Copper d)Silver	M 3.9
10	How the capacity of batteries is specified? a)Volt c)Ampere hour	b)Watt d)Volt Ampere	M 4.1
11	Identify the output voltage of a dry cell a)1.2 V c)1.8 V	b)1.5 V d)2.5 V	M 4.3
12	Which is used as an electrolyte in lead acid battery? a)Hydrochloric acid c)Pottasium hydroxide	b)Ammonium Chloride d)Dilutedsulphuric acid	M 4.3
13	Two resistors are connected in series. If the voltage across each resistor is 5V, then the resultant voltage across the series combination is a) 5V c) 0	b) 10V d) 2.5V	M 2.5
14	The loop earth wire shall not be less than a)8 SWG c)12 SWG	b)10SWG d)14 SWG	M 1.11
15	The emf induced in a coil due to change of flux produced by another coil is called a) Mutual induced emf c)MMF	b) Self-induced emf d) Dynamically induced emf	M 2.20
16	Insulation resistance between conductors as IE rule should not be less than a)2 Mega ohm c)o.5 Mega ohm	b)1 Mega Ohm d)1.5 mega ohm	M 3.7
17	Identify the wire which has greatest cross-sectional area a)8 SWG c)22 SWG	b)14 SWG d)30 SWG	M 3.4
18	Identify the law applied in Electrolysis a) Ohms law c)Coloumb's law	b) Gauss's law d) Faraday's law	M 4.3
19	Permanent magnets are made from which of the following materials a) soft iron c)Paramagnetic	b) Ferromagnetic d) Diamagnetic	M 2.16
20	A 3 Ω resistance having 5 amperes will dissipate the power of a)10 W c)12 W	b)15 W d)75 W	M 2.1

PART-B

(There should be at least 2 questions from each module)

(MaximumMarks: 8x5 Marks = 40 Marks)

II. Answer *any eight* questions from the following. Each question carries marks.5 Marks.

Q No	Question	Module
1	List any five electrical safety gadgets	M 1.14
2	Identify the factors affecting the earthing efficiency	M 1.7
3	Write any three comparisons of the circuit characteristics of series and parallel circuits with the help of figures.	M 2.5
4	Explain the working of Megger	M 2.12
5	Describe any two different types of wiring system	M 3.1
6	List any 4 properties of Aluminum and Copper each	M 3.9
7	Explain the procedure of testing the specific gravity of electrolyte	M 4.7
8	Differentiate primary and secondary cells with examples	M 4.1
9	Define the following terms 1) Actual power 2) Apparent power	M 2.30
10	Distinguish between star and delta connection with a neat sketch	M 2.27
11	Explain any one method of earthing in domestic application with a neat sketch	M 1.9
12	Summarize any five caring measures to be adopted for maintenance of lead acid battery	M 4.3