MDCAT Physics Chapter 10 Electronics Online Test

Sr	Questions	Answers Choice
1	In a full wave rectifier with input frequency 50Hz. The frequency of pulsating D)C) received as an output across the load is	A. 50 Hz B. 100 Hz C. 500 Hz D. zero
2	The power output of a full wave rectifier is:	A. Equal to H.W.R B. Twice of H.W.R C. Half of H.W.R D. Four times of H.W.R
3	In a full wave rectifier:	A. DC current is twice that of half wave rectifier B. DC pulses are twice per cycle that of half wave rectifier C. DC voltage is twice that of half wave rectifier D. All are correct
4	A circuit that converts Pulsating DC into smooth DC contain :	A. Filter B. Capacitor C. Inductor D. LC circuit
5	The efficiency of full wave rectifier is:	A. 25.6% B. 81.2% C. 81.6% D. 71.2%
6	The efficiency of half wave rectifier is:	A. 25.6% B. 1.2% C. 40.6% D. 66.6%
7	For a normal AC cycle, during T/2 to T the diode act as:	A. Open switch B. full wave rectifier C. Close switch D. All are correct
8	A device which convert DC into AC is calleD)	A. Invertor B. Generator C. Rectifier D. Motor
9	A certain noninverting amplifier has R1 of 1 kΩ and R2 of 100 kΩ. The closed-loop voltage gain is ………	A. 100,000 B. 100 C. 1000 D. 101
10	The resistance of operational amplifier between inverting and non-inverting terminal is of the order of:	A. Few Ohms B. Mega Ohms C. Few Kilo Ohms D. Micro Ohms
11	For the same value of resistors the output of non-inverting amplifier compared to the output of inverting amplifier is, (ignoring phase difference)	A. Greater B. Equal C. Smaller D. Undefined
12	A non-inverting amplifier has infinite input resistance then the voltage gain of noninverting amplifier will be:	A. Zero B. Infinite C. One D. 100
13	A non-conducting semiconductor diode is:	A. Forward biased B. Poorly biased C. Reverse biased D. None of them
14	In full wave rectification, the output DC voltage across the load is obtained for.	A. The positive half cycle of input AC only B. The negative half cycle of input AC C. The completes cycle of input AC only D. All of them

D. All of the above