**Week-4 Assignment-4**

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. **Due on 2019-03-20, 23:59 IST.**

1) The input source to a full wave rectifier-C filter is of form $V_m \sin(2\pi f_50t)$. The load ripple frequency in Hz is

No, the answer is incorrect.
Score: 0

Accepted Answers:
(Type: Numeric) 100

2) The input source to a full wave rectifier-C filter is of form $V_m \sin(wt)$. The input source (as per Indian standards) has a tolerance band of 20%. The peak inverse voltage seen by the rectifier diodes is

No, the answer is incorrect.
Score: 0

Accepted Answers:
390

3) In a three-phase capacitor filter fullwave rectifier circuit that is supplied from a three phase mains, peak capacitor voltage is ______ times the input rms phase voltage.

sqrt(2)

No, the answer is incorrect.
Score: 0

Accepted Answers:
sqrt(2)
4) In a capacitor filter rectifier circuit, lower the capacitance value, ______ will be the power factor.

Choose from the options below:

lower, higher, unaffected, none

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: String) higher

5) In a capacitor filter rectifier circuit, higher the capacitance value, ______ will be the peak current drawn from the input source.

Choose from the options below:

lower, higher, unaffected, none

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: String) higher

6) The input source to a half wave rectifier-C filter is of form \( V_m \sin(2 \pi f \cdot t) \). The load ripple frequency in Hz is

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Numeric) 50

7) For a rectifier capacitor filter circuit, the value of the capacitance for a given load is ______ proportional to the ripple amplitude.

Choose from the options below:

directly, inversely, none

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: String) inversely

8) For a rectifier capacitor filter circuit, the value of the capacitance for a given ripple amplitude is

\[ \sqrt{6} \]
1) _________ proportional to the load.

Choose from the options below:

- directly
- inversely
- none

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: String) directly

9) For a three phase full wave rectifier circuit connected to a resistive load, find the percentage output ripple with respect to average output voltage (write answer without % symbol)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Range) 13.8,14.2

10) For a three phase full wave rectifier capacitor filter circuit, if the input phase voltage is of form $V_m \sin(2\pi f t)$, the load ripple frequency in Hz is

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Numeric) 300

1 point