

Jahangirnagar University

Department/Institute: Information Technology

Masters/Honours __19t_year Final Examination-2019____

Course No.# ICT-1202 Course Title# Electronic Devices and circuits Lab

Examination Roll No. #

19 23 40

Registration No. #

20193650283

Academic Session #

2018-2019

Total no of written pages in the script #

Date: , 2021 , July , 13

Instructions:

- 1. Examinee must write his/her exam roll no. and page no. at the top of every page of the script.
- 2. Do not write your name or any identification mark anywhere of the script.
- 3. Total time for exam is 45 minutes. You will get 15 additional minutes for submission.
- 4. Delay in submission is not acceptable.
- 5. You have to submit your exam script in PDF format.
- 6. The examinee must submit the examination script **through online** (**Google classroom/email/google form etc.**) as prescribed by the examiner.
- 7. You must use your **EXAM ID** only for naming your submitted file.
- 8. After completing the exam, you must write the total number of pages used for the exam in the top sheet.

Answer to the question no-1

circuit Diagnam:

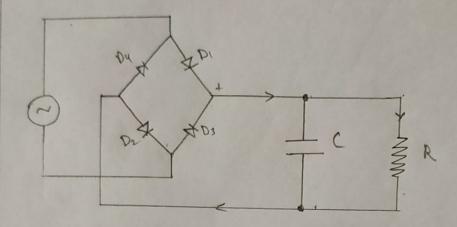


fig: Full-wave brige rectifier with capacitive filter.

Ripple factor is 0.2

formula:

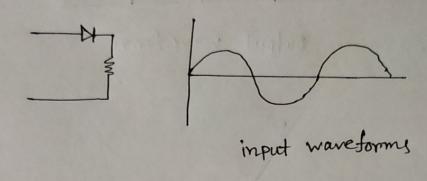
load rassitance = 22 1

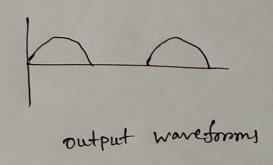
coequiton
$$C = \frac{I+}{4v}$$

= # 5 F

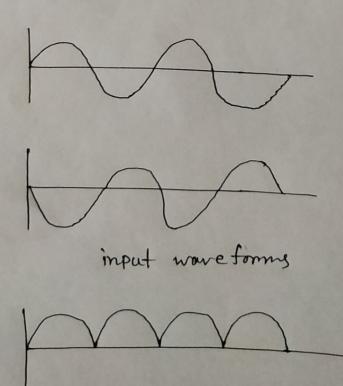
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For a half wave nectifer this is what we have observe





Full wave Rectifien - waveforms



output waveformy

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Ripple:

Output waveform