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G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.**UG DEGREE END SEMESTER EXAMINATIONS - APRIL 2025.**

(For those admitted in June 2021 and later)

PROGRAMME AND BRANCH: B.Sc., ELECTRONICS

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
VI	PART - IV	SEC	U21EL6S2	SOLAR PHOTOVOLTAIC SYSTEM DESIGN

Date & Session: 05.05.2025/FN**Time: 2 hours****Maximum: 50 Marks**

Bloom's K-level	Q. No.	<p>SECTION – A (5 X 10= 50 Marks)</p> <p>Answer <u>ALL</u> Questions choosing either (a) or (b).</p>
K3	1.	<p>Enumerate the advantages and disadvantages of Solar Panel.</p> <p>(OR)</p> <p>How to utilize Solar Powered system in Signalling & Telecommunication and List out the advantages of it.</p>
K3	2.	<p>Discuss the construction and working of Solar Cell.</p> <p>(OR)</p> <p>Illustrate the Main Components of Solar Photovoltaic System.</p>
K4	3.	<p>Infer the General and Technical requirements for Solar Photo Voltaic Module.</p> <p>(OR)</p> <p>Analyze the procedure to select Charge Controller and List out the Salient feature of Charge controller.</p>
K4	4.	<p>Interpret the guidelines to install a Solar Panel.</p> <p>(OR)</p> <p>Elucidate the electrical interconnections of a Solar Module.</p>
K5	5.	<p>Evaluate the precautions and preventive steps for maintaining a solar panel system.</p> <p>(OR)</p> <p>Devise a troubleshooting method for Solar modules.</p>

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