



GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

(An Autonomous Institute of Government of Maharashtra)

National Highway No.6, JALGAON – 425 002

Phone No.: 0257-2281522

Fax No.: 0257-2281319

Website : www.gcoej.ac.in

E-mail : princoej@rediffmail.com



Name of Examination : **Summer 2021** - (Preview)

Course Code & Course Name : **CE255U - Civil Engineering - Societal and Global Impact**

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Maximum Marks : **60**

Duration : **3 Hrs**

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Answer Key Submission Type: Marking scheme without solution

Instructions:

1. All questions are compulsory.
2. Illustrate your answer with suitable figures/sketches wherever necessary.
3. Assume suitable additional data; if required.
4. Use of logarithmic table, drawing instruments and non programmable calculators is allowed.
5. Figures to the right indicate full marks.

1) Solve Que (a) or (b) and Q (c) is compulsory

- (a) Distinguish between first and second industrial revolution. [5]
- (b) How ancient marvels demonstrate excellency in construction? Explain with example. [5]
- (c) Explain next ten year future vision for civil engineers? [5]

2) (a) Why global warming is threat to human kind? Illustrate its impact and possible causes. [5]

- (b) What is ecological footprint? Analyze ecological footprint of India. [5]

3) (a) Explain habitats & its importance. [5]

- (b) How transportation modes impact development of society? Which mode of transport is commonly used in India?Why? [5]

4) (a) Enlist different energy generation systems? Explain any one. [5]

- (b) Explain flood control project, its importance with example. [5]

Solve Que (a) or (b) and Q (c) is compulsory

5) (a) How temperature and sound control in built environment? [5]

- (b) Explain role of urban arts commission. [5]

- (c) How will you carried out repair and rehabilitation of heritage structures? [5]

6) Solve Que (a) or (b) and Q (c) is compulsory

- (a) Why environmental impact analysis is necessary? Explain its procedure. [5]

- (b) Did civil engineering projects emit green house gas? If yes, how will you reduce it? [5]

- (c) How GDP is influenced by civil engineering? Explain. [5]

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