

TRIBHUVAN UNIVERSITY
 INSTITUTE OF ENGINEERING
Examination Control Division
 2079 Bhadra

Exam.	Regular		
Level	BE	Full Marks	40
Programme	BEL	Pass Marks	16
Year / Part	IV / I	Time	1½ hrs.

Subject: - Technology Environment and Society (CE 708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt All questions.
- ✓ The figures in the margin indicate Full Marks.
- ✓ Assume suitable data if necessary.



1. Define technology. Discuss the impacts of technology on society and environment. [2+6]
2. Discuss the participatory development approach with suitable examples. [8]
3. Discuss the key reasons those caused to happen world war II with its political and economic effects. [8]
4. Describe about fecal oral infection route and their preventive measures. [8]
5. Write short notes on: (Any Two) [2×4]
 - a) Causes and impacts of climate change
 - b) Deforestation and its consequences
 - c) Appropriate technology

TRIBHUVAN UNIVERSITY
INSTITUTE OF ENGINEERING
Examination Control Division
2079 Baishakh

Exam.		Back	
Level	BE	Full Marks	40
Programme	BEL	Pass Marks	16
Year / Part	IV / I	Time	1½ hrs.

Subject: - Technology Environment and Society (CE 708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt any Five questions.
- ✓ The figures in the margin indicate Full Marks.
- ✓ Assume suitable data if necessary.



1. What are the characteristics of the information age? Describe how the digital technology is being utilized in the fight against COVID-19 pandemic? [4+4]
2. What are appropriate and intermediate technologies? Why is labor based or labor intensive technology necessary for LDCs like Nepal? [4+4]
3. What are the key features of infrastructure development policies of Nepal? Are these features reflected in the fiscal year 2078/79 B.S. budget? [4+4]
4. What is population explosion? What are the reasons for it? How do you view the current trend of decreasing population in the developed countries? [8]
5. What are the major immediate environmental issues for Nepal? How can the use of technology be beneficial in solving them? [2+3+3]
6. Write short notes on:
 - a) On site sanitation
 - b) International efforts to mitigate climate change

TRIBHUVAN UNIVERSITY
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Examination Control Division
 2078 Bhadra

Exam.	Regular		
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Year / Part	IV / I	Time	1½ hrs.

Subject: - Technology Environment and Society (CE 708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt All questions.
- ✓ All questions carry equal marks.
- ✓ Assume suitable data if necessary.

1. How does technological advancement shift employment? Explain with suitable examples.
2. What is LEP? Discuss about ethnographic approach and participatory approach for community management.
3. Write down the major economic, social and political impacts of the World War II.
4. Discuss the characteristics of information society. How has industrial society entered into information society?
5. a) Briefly discuss on severity of Indoor Air Pollution problem in Nepal.
 b) What do you mean by organic farming? Write down the advantage of typical organic farming practice.
6. Define climate change. Elaborate on the usefulness of alternative (renewable) energy regarding climate change issues.

TRIBHUVAN UNIVERSITY
 INSTITUTE OF ENGINEERING
Examination Control Division
 2076 Chaitra

Exam.	Regular		
Level	BE	Full Marks	40
Programme	BEL	Pass Marks	16
Year / Part	IV / I	Time	1½ hrs.

Subject: - Technology Environment & Society (CE 708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt any **Five** question.
- ✓ **All** questions carry equal marks.
- ✓ Assume suitable data if necessary.

1. Write short notes on:
 - a) Technology is irreversible.
 - b) Conflict of technology with examples.
2. Discuss about components of sustainable development. How do you relate LEP approaches with sustainable development?
3. State and explain environmental sanitation. Also discuss pathways of fecal-oral infection Transmission route.
4. Differentiate between information age and industrial age. Also explain information is power and wealth.
5. What are current environmental issues? Compare the environmental issues of Nepal to global issues.
6. What are the impacts of climate change in Nepal? Explain briefly the international efforts towards mitigation of climate change impact.



TRIBHUVAN UNIVERSITY
 INSTITUTE OF ENGINEERING
 Examination Control Division
 2076 Ashwin

Exam.	Front	Back
Level	BE	Full Marks 40
Programme	BEL	Pass Marks 16
Year / Part	IV / I	Time 1 ½ hrs.

Subject: - Technology Environment and Society (CE 708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt any Five questions.
- ✓ The figures in the margin indicate Full Marks.
- ✓ Assume suitable data if necessary.



1. Explain the differences between Industrial age and Information age. Also explain knowledge is wealth. [8]
2. Describe the pros and cons of using structured questionnaires. In what situations should you conduct this procedure? Also write about focus group meeting. [8]
3. What do you mean by conflict of resources? What are the main causes of conflict of natural resources? Also explain ecology ecosystems. [8]
4. Explain differences between on-site and off-site sanitation. Describe fecal-oral transmission route and list out preventive measures against fecal-oral infections. [8]
5. a) Explain what is global warming? Write down international effects to mitigate it. [4]
 b) Describe causes and impacts of deforestation in Nepal. [4]
6. Write notes on: (Any two) [4+4]
 - a) European Renaissance
 - b) Industrial Revolution
 - c) Impacts after World War II
 - d) Major global environmental issues

TRIBHUVAN UNIVERSITY
 INSTITUTE OF ENGINEERING
Examination Control Division
 2075 Chaitra

Exam.		Regular / Back	
Level	BE	Full Marks	40
Programme	BEL	Pass Marks	16
Year / Part	IV / I	Time	1 ½ hrs.

Subject: - Technology Environment and Society (CE 708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt any ***Five*** questions.
- ✓ ***All*** questions carry equal marks.
- ✓ Assume suitable data if necessary.

1. Write short notes on:
 - a) Technology both as a curse and a blessing
 - b) Significance of appropriate technology in Nepal
2. a) What is Ethnography study? Explain how information is collected in this approach.
 b) Explain why Resource Mapping is carried out.
3. Summarize the impacts of World War I and II. Also describe population explosion.
4. Discuss all the major environmental issues of Nepal. Also write down probable strategies to mitigate those issues.
5. What are causes of air pollution in Kathmandu Valley? Describe its effect and possible mitigation measures.
6. What is climate change? State and explain gases which causes climate change. Also write major symptoms of climate change in Nepal.



Examination Control Division

2075 Ashwin

Exam.	Subject	Back	Front
Level	BE	Full Marks	40
Programme	BEL	Pass Marks	16
Year / Part	IV / I	Time	1 ½ hrs.

Subject: - Technology, Environment and Society (CE708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt any Five questions.
- ✓ All questions carry equal marks.
- ✓ Assume suitable data if necessary.

1. What do you understand by the term technology? How it changes culture and traditions of a society?
2. Define participatory appraisal. Explain focus group discussion and resources mapping.
3. What is environment sanitation? Discuss fecal oral infection transmission route.
4. Why knowledge is important in the information age. Also write down characteristics of the information age.
5. What are climate change gases? Write down the probable impact and mitigation measures of the climate change.
6. Write down causes, effects and mitigation measures of air pollution.

Exam.		Regular	
Level	BE	Full Marks	40
Programme	BEL	Pass Marks	16
Year / Part	IV / I	Time	1 ½ hrs.

Subject: - Technology Environment and Society (CE708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt any ***Five*** questions.
- ✓ ***All*** questions carry equal marks.
- ✓ Assume suitable data if necessary.

1. Discuss how technology changes people values, culture and tradition of a society.
2. Explain, what is information age? Also write down how the industrial society entered into information society.
3. Explain water pollution. Write down fecal oral infection route and discuss their mitigation measures.
4. What is climate change? State and explain gases which cause climate change. Discuss all the possible interventions to mitigate climate change.
5. a) Explain conflict of technology.
 b) Discuss technology can unmask old social problems.
6. Write notes on:
 a) Focus group discussion
 b) Major environment issues of Nepal

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 INSTITUTE OF ENGINEERING
Examination Control Division
 2074 Ashwin

Exam.	Back		
Level	BE	Full Marks	40
Programme	BEL	Pass Marks	16
Year / Part	IV / I	Time	1 $\frac{1}{2}$ hrs.

Subject: - Technology Environment and Society (CE708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt any Five questions.
- ✓ All questions carry equal marks.
- ✓ Assume suitable data if necessary.

1. Discuss technology provides shift in employment opportunity.
2. What is participatory approach? Also explain appropriate technology and labour intensive technology.
3. Explain in detail why 13, 14, 15 centuries are called Great Renaissance or intellectual revival of Europe.
4. What are climate change gases? Write down its mitigation measures. Also explain international efforts to tackle its problem.
5. Explain how fecal-oral infections transfer from one person to another. Also discuss preventive measures.
6. Write short notes on any two.
 - a) Air pollution
 - b) Information age
 - c) Focus-Group Discussion

Exam.	New Back (2066 & Later Batch)		
Level	BE	Full Marks	40
Programme	BEL	Pass Marks	16
Year / Part	IV / I	Time	1 ½ hrs.

Subject: - Technology Environment and Society (CE708)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt any ***Five*** questions.
- ✓ ***All*** questions carry equal marks.
- ✓ Assume suitable data if necessary.

1. What do you mean by technology? Discuss about its benefits in education sector. [2+6]
2. Describe the LEP approach for the development of Nepal. Explain community empowerment process of participatory approach. [4+4]
3. What do you mean by climate change? Discuss about its cause, impact and mitigation measures. [2+6]
4. Discuss about the global environmental issues. Also discuss key environmental issues of Nepal. [4+4]
5. What are characteristics of agriculture, industrial and information age? [8]
6. Explain how does technology change culture and tradition of a society? [8]
