2016

(4th Semester)

BACHELOR OF COMPUTER APPLICATIONS

Paper No. : BCA–401

(Environment and Ecology)

(New Course)

Full Marks : 75

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 50)

*The figures in the margin indicate full marks
for the questions*

1. (a) What are mineral resources? Explain environmental effects of extraction and using mineral resources.　　3+7=10

Or

(b) Explain energy resources. Define renewable and non-renewable energy resources and write the measures to control the usage of renewable energy resources.　　3+3+4=10

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2. *(a)* What is ecosystem? Explain the structure and function of an ecosystem. 3+7=10

Or

(b) What is food chain? Discuss food webs and ecological pyramids. 3+7=10

3. *(a)* What do you mean by biodiversity? Explain threats to biodiversity in India. 3+7=10

Or

(b) What is hot spots of biodiversity? Explain *in situ* and *ex situ* conservation of biodiversity. 3+7=10

4. *(a)* What do you mean by environmental pollution? Write the effects and control measures of air pollution. 3+7=10

Or

(b) What is disaster management? Give suggestions to mitigate the effect of earthquake. 3+7=10

5. *(a)* What do you mean by shifting cultivation? Discuss the effects and control measures of shifting cultivation within Mizoram. 3+7=10

(Continued)

Or

(b) What is global warming? Explain the effects of greenhouse and ozone layer depletion. 3+7=10

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