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BCA 171304

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9/27 2021

BINA CHOWDHURY CENTRAL LIBRARY
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3/2000, Hatibpur, Wapara,
Wahga, Dist. Murshidabad, W.B.

B.C.A. 3rd Semester End-Term Examination

ENVIRONMENTAL SCIENCE

(New Regulation)

Full Marks – 70

Time – Three hours

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

Answer question No.1 and any *four* from the rest.

GROUP - A

1. Answer the following :

(10 × 1 = 10)

(i) International biodiversity day is observed on _____

(a) July 11

(b) October 4

(c) May 22

(d) None of the above

(ii) UN conference on Environment in 1972 was held at _____

(a) Rio de Janeiro

(b) Stockholm

(c) Geneva

(d) Johannesburg

(iii) Accumulation of non-biodegradable materials in the food chain is called _____

(a) Biomagnification

(b) Detoxification

(c) None of these

(d) Both of these

(iv) Per capita use of water is highest in _____

(a) USA

(b) India

(c) Kuwait

(d) Indonesia

[Turn over

- (v) Western Ghats are very rich in endemic species of
- (a) Birds (b) Lions
(c) Amphibians (d) Turtles
- (vi) Itai-Itai disease in Japan was caused by consumption of rice contaminated with
- (a) Mercury (b) Iron
(c) Cadmium (d) Zinc
- (vii) Air pollutants mixing up with rain can cause _____
- (a) High acidity (b) Low acidity
(c) Neutral conditions (d) None of these
- (viii) The gas which has maximum contribution to enhanced greenhouse effect is _____
- (a) CFC's (b) CH₄
(c) CO₂ (d) N₂O
- (ix) Which of the following is a primary pollutant?
- (a) Ozone (O₃) (b) Peroxyacetyl nitrate (PAN)
(c) Carbon monoxide (d) None of the above
- (x) Noise pollution causes _____
- (a) Hypertension (b) Gastro intestinal
(c) Digestive disorders (d) All of the above

GROUP - B

Answer any *four* questions:

(4 × 15 = 60)

2. (a) What are the major causes of man-wildlife conflict? Discuss the remedial steps that can curb the conflict. (5+5=10)
- (b) Should we have big dams? Give arguments in favour of your answer. (5)
3. (a) What is urban waste management? Write a case study on urban waste management. (3+5=8)
- (b) Differentiate between conventional and non-conventional sources of energy resources. (7)

4. (a) Write elaborately the causes of climate change. (7)
(b) Discuss the environmental issues associated with urban development. (8)
5. (a) What do you understand by Thermal pollution? Discuss various effects and control measures of thermal pollution. (2+4+4=10)
(b) Discuss the effects of air pollution on plants. (5)
6. Write short notes on any *three*: (3×5=15)
- (a) Overgrazing
 - (b) Food Web
 - (c) Indoor Pollution
 - (d) Energy flow in ecosystem
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