

**BACHELOR OF PHARMACY EXAMINATION, 2023**

( 1st Year, 2nd Semester )

**ENVIRONMENTAL SCIENCE**

Time : Two hours

Full Marks : 50

1.	<p><b>MCQ –</b> Note: attempt any ten questions.</p> <p style="text-align: right;">10X1 = 10</p> <p><b>i)</b> Primary consumer in food chain are also called - a) Carnivores b) Predators c) Decomposer d) Herbivores.</p> <p><b>ii)</b> Montreal protocol is related to – a) Reduction in carbon dioxide b) Phasing out of ozone depletion of substances c) Reduction in deforestation d) Reduction of SO<sub>2</sub> and Acid rain.</p> <p><b>iii)</b> Biochemical oxygen demand is a measure of – a) Air pollution b) Water pollution c) Noise pollution d) Soil pollution.</p> <p><b>iv)</b> Example of Exhaustible natural resource - a) Wind b) Water c) Wild life d) Sunlight.</p> <p><b>v)</b> Example of Non-maintainable natural resource - a) Nuclear energy b) Soil c) Water d) Land.</p> <p><b>vi)</b> Green Revolution in India was first adopted by – a) Bihar b) Punjab c) Tamil Nadu d) Madhya Pradesh.</p> <p><b>vii)</b> The lowermost layer of the atmosphere – a) Stratosphere b) Mesosphere c) Ionosphere d) Troposphere.</p> <p><b>viii)</b> World water day – a) 22<sup>nd</sup> March b) 22<sup>nd</sup> April c) 23<sup>rd</sup> January d) 25<sup>th</sup> December</p> <p><b>ix)</b> World Environment Day – a) 10<sup>th</sup> December b) 5<sup>th</sup> June c) 26<sup>th</sup> January d) 8<sup>th</sup> March</p> <p><b>x)</b> Full form of CFC in biology – a) Chlorofluorocarbon b) Consumption of fixed capital c) Customer Foreign Currency d) Controlled Foreign Corporation</p> <p><b>xi)</b> Pond ecosystem is related with – a) Aquatic Eco-System b) Forest Eco-System c) Estuarine Eco-System d) Grassland Eco-System.</p> <p><b>xii)</b> Abiotic components include – a) Consumer b) Decomposer c) Organic substances d) Producer.</p> <p><b>xiii)</b> What is the cause of the soil pollution? a) Acid rain b) Ozone c) Aerosol d) None of the above.</p>
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[ Turn over

- xiv) Why are radiations harmful?**  
 a) Radiations leads to skin cancer b) Radiations cause anemia  
 c) Radiations changes body tissues d) Radiations are not stable

- xv) Which of these are essential non-metallic minerals?**  
 a) Coal, silica, clay, cement b) Iron, copper, aluminium, zinc  
 c) Gold, platinum, silver d) Granite, limestone, marble

**SCQ –**

Note: attempt any five questions.

5X2 = 10

- 1) Full form of OTEC -
- 2) VOCs stands for –
- 3) Name any two types of gaseous biogeochemical cycle
- 4) What is ecosystem?
- 5) What are decomposers?
- 6) C.H.O.N.P.S stand for –
- 7) Write a name of medicinal plant of India -

**Short Note –**

Note: attempt any four.

4X5 = 20

- 1) Acid rain.
- 2) Importance of decomposers in an ecosystem.
- 3) Green House effect.
- 4) Effect of Soil pollution.
- 5) Ecology and its activities.
- 6) Environmental study is multidisciplinary – Explain.

**Descriptive question –**

Note: attempt A) or B) only.

- A) i) Explain different types of resources and their activities.**

6+4 = 10

- ii) Elaborate the impacts of deforestation on environment.

- B) i) What are the reasons behind the water pollution?**

6+4 = 10

- ii) Briefly explain the safety measures for soil pollution.