

KATHMANDU UNIVERSITY
End Semester Examination
August, 2018

Marks scored :

Level : B.Sc.

Year : I

Course : ENV5 101

Semester: II

Exam Roll No. :

Time: 30 mins.

F. M. : 20

Registration No.:

Date **AUG 14 2018**

SECTION "A"

[16 Q.× 0.5=8 marks]

Choose and mark (X) against the correct answer:

1. The first step in system analysis is
 System measurement System modelling
 System optimization System simulation
2. The hazy air pollution caused by volcanic eruption is also referred to as
 smog vog PAN smoke
3. Which of the following is not an OPEC member?
 Egypt Venezuela Saudi Arabia Nigeria
4. The Kyoto Protocol deals with
 CFC emission biodiversity conservation
 GHG emission safe disposal of hazardous wastes
5. PM₁₀ affects
 the digestive system the reproductive system
 the respiratory system the excretory system
6. Which one of the following is not a green house gas?
 Methane Carbon-di-oxide water vapour Nitrogen
7. The first potato cultivation is believed to have been practised in
 Mexico Peru Bolivia Columbia
8. Emergence of intense growth of aquaculture as a highly productive agricultural activity is also referred to as
 Blue revolution Green revolution White revolution Yellow revolution
9. Consumption of Thalidomide during pregnancy can affect deformity of limbs in newborns. Therefore, Thalidomide is considered as a/an
 allergen mutagen teratogen carcinogen
10. Mutualism illustrates
 +, - relationship +, + relationship +, 0 relationship -, - relationship

11. Non-target species caught during fishing are called
 landings bycatch catch leftovers
12. The main component of ceramic is
 quartz clay metallic element plastic
13. Defoliants act on
 leaves rodents fungi mites
14. HELCOM illustrates a
 global agreement appendix –driven agreement
 regional agreement bilateral agreement
15. Industrial ecology is characterized by
 low operational cost and low disposal cost
 low operational cost and high disposal cost
 high operational cost and low disposal cost
 high operational cost and high disposal cost
16. The first and foremost step in risk analysis of a hazard is
 estimation of probability of risk caused by hazard
 identification of the hazard
 assessment of the consequences of the hazard
 comparative risk analysis of different hazards

SECTION "B"

[4Q × 0.5 = 2 mark]

Peat → Lignite → Bituminous → Anthracite

17. The schematic figure represents _____.
18. The subsequent conversion of peat to anthracite occurs in presence of
 low pressure and low temperature high pressure and high temperature
 low pressure and low moisture high pressure and high moisture
19. The moisture content is highest in
 peat lignite bituminous anthracite
20. The carbon content is highest in
 peat lignite bituminous anthracite

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SECTION "C"

[10 marks]

Fill in the blanks:

21. The full form of CITES is _____.
22. The largest producer of Uranium is _____.
23. The total number of SDGs is _____.
24. The distribution and presence of different terrestrial biomes are primarily affected by _____ and _____.
25. Transitional zones between two adjoining ecosystems are called _____.
26. Different types of population pyramids are _____, _____ and _____.
27. Four categories of ecosystem services are _____, _____ and _____.
28. Four pillars of food security are _____, _____ and _____.
29. Bauxite is an important ore of _____.
30. The amount of dissolved oxygen required by the aerobic microbes to degrade organic matter in the water body is called _____.
31. _____ cycle acts as a natural thermostat of the earth.

