



ଓଡ଼ିଶା ରାଜ୍ୟ ମୁକ୍ତ ବିଶ୍ୱବିଦ୍ୟାଳୟ, ସମ୍ବଲପୁର, ଓଡ଼ିଶା
Odisha State Open University, Sambalpur, Odisha
Established by an Act of Government of Odisha.

Assignment July 2020

Semester – 1

AECC 01 Environmental Studies

Course code	Name of the course	Course type	Credit value	No. of assignments to be submitted
AECC 01	Environmental Studies	Ability Enhancement Compulsory Course	4	1

*This assignment is to be submitted by the learners of Bachelor Degree Programmes.
Separate files are uploaded for other medium of study.*

For any doubts please contact the programme coordinator.

Assignment submission date: 28th February 2021

Please read the instructions carefully before attempting the assignment questions.

INSTRUCTIONS

Dear Learner,

Greetings from Odisha State Open University.

You are required to submit your assignment response within the stipulated time in order to become eligible to appear in the term-end examination. The assignments will be evaluated by the counselors at your Study Centre. Please submit your assignment to the Coordinator of the Study Centre. Before you attempt the assignments, please go through the course materials carefully. Please read the instructions pertaining to an assignment before you start writing your answer. Do not copy from the course material or from any other source. You are advised to read the study material, understand the same and write answers in your own language and style so that you will get good marks/grades.

Purpose of assignments

1. Assignments are part of the continuous evaluation process in Open and Distance Learning (ODL) system.
2. This will help you for better performance in the term-end examination. If you secure good grades/marks in assignments, your overall performance will improve.
3. Your assignment, after evaluation, will be returned to you with comments by the evaluator.
4. This will help you to know your strength as well as your weakness. Thus, it will establish a two- way communication between the learner and the evaluator.

How to write assignments

1. Write your name, programme code, course title, enrollment no. and study centre code on the top sheet of the assignment answer booklet.
2. Write the answers in your handwriting. Give sufficient margin in the left side of each page so that the evaluator will give comments on each paragraph/page.
3. Do not cross the word limit given in each question.
4. Your handwriting should be neat and readable.

Weightage for each assignment

1. Each assignment will be of 100 marks but it will carry 25% weightage.
2. Similarly, the Term End Examination will be of 100 marks but will carry 75% weightage.
3. You have to secure minimum 40% in continuous evaluation, 30% in term end examination and overall, 40% for successful completion of the course for the bachelor degree or undergraduate programmes.
4. In case you do not submit assignment or get fail mark in assignment you have to re-submit in the next year.

AECC 01 Environmental Studies

Group-A (1 × 10 = 10 Marks)

1. Answer all of the following in one word for each.

- The interlocking pattern formed by several food chains that are linked together is known as _____.
- In _____ layer of atmosphere; ozone is present.
- The change of water from gaseous state to liquid state is known as _____.
- Study of details about individual organism is known as _____.
- The mixture of fresh water and salty water is known as _____.
- The source of energy in an ecosystem is _____.
- Detritus food chain is also known as _____.
- Study of organisms in their natural habitat is known as _____.
- _____ is the lowest layer of atmosphere?
- _____ is a non-communicable disease?

Group-B (2 × 10 = 20 Marks)

2. Define all of the following within two sentences for each.

- | | |
|-------------------------|-------------------|
| a) Eutrophication | f) Earthquake |
| b) Communicable disease | g) Global warming |
| c) Hard water | h) Hydrosphere |
| d) Smog | i) Nitrogen cycle |
| e) Urbanization | j) Decomposers |

Group-C (3 × 10 = 30 Marks)

3. Answer all of the following in 75 words for each.

- What is ecosystem?
- What are the causes of tsunami?
- What are the salient features of Environmental Protection Act.
- What are natural disasters?
- What is greenhouse effect?
- Write the difference between food chain and food web?
- What is sex-ratio?
- Discuss the need for wildlife protection.
- What is environmental movement?
- What is water pollution? What are its causes?

Group-D (10 × 4 = 40 Marks)

4. Answer all of the following in 500 words for each.

- What is a natural disaster? How can we manage man-made disasters?
- Describe the role of women in the Environmental movements in India.
- Describe the structure and functions of State Pollution Control Board.
- Describe the structure and compositions of the atmosphere.

ASSIGNMENT

ଦତ୍ତକର୍ମ

ପରିବେଶ ବିଜ୍ଞାନ (AECC-1)

ପୂର୍ଣ୍ଣସଂଖ୍ୟା-୧୦୦

(ସମସ୍ତ ପ୍ରଶ୍ନର ଉତ୍ତର ବାଧ୍ୟତାମୂଳକ)

ବିଭାଗ- 'କ'

୧. ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉତ୍ତର ଗୋଟିଏ ଶବ୍ଦ କିମ୍ବା ଗୋଟିଏ ବାକ୍ୟରେ ଲେଖନ୍ତୁ।

୧×୧୦ = ୧୦

- କ) ଖାଦ୍ୟଶୃଙ୍ଖଳାଗୁଡ଼ିକର ବହୁ ସଂଯୋଗଜନିତ ଜଟିଳତାକୁ ----- କୁହାଯାଏ ।
- ଖ) ବାୟୁମଣ୍ଡଳର ----- ସ୍ତରରେ ଓଜୋନ ଅବସ୍ଥିତ ।
- ଗ) ଜଳର ବାଷ୍ପୀୟ ଅବସ୍ଥାରୁ ତରଳ ଅବସ୍ଥାର ପରିବର୍ତ୍ତନକୁ ----- କୁହାଯାଏ ।
- ଘ) ଏକକ ଜୀବର ସମ୍ପୂର୍ଣ୍ଣ ଶିକ୍ଷାକୁ ----- କୁହାଯାଏ ।
- ଙ) ମଧୁରଜଳ ଓ ଲୁଣିଜଳର ମିଶ୍ରଣକୁ ----- କୁହାଯାଏ ।
- ଚ) ପରିସଂସ୍ଥାର ଶକ୍ତିର ଉତ୍ସ ----- ଅଟେ ।
- ଛ) ଅପରଦ ଖାଦ୍ୟଶୃଙ୍ଖଳାକୁ ----- କୁହାଯାଏ ।
- ଜ) ପ୍ରାକୃତିକ ଆବାସରେ ଜୀବର ଶିକ୍ଷାକୁ ----- କୁହାଯାଏ ।
- ଝ) ----- ବାୟୁମଣ୍ଡଳର ସର୍ବନିମ୍ନ ସ୍ତର ।
- ଞ) ----- ଗୋଟିଏ ଅଣସଂକ୍ରାମକ ରୋଗ ।

ବିଭାଗ- 'ଖ'

୨. ନିମ୍ନୋକ୍ତ ଶବ୍ଦଗୁଡ଼ିକର ସଂଜ୍ଞା ନିରୂପଣ କର ।

୨×୧୦ = ୨୦

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|-----------------|--------------------|
| କ) ମୁଦ୍ରୋପକେସନ୍ | ଚ) ଭୂକମ୍ପ |
| ଖ) ସଂକ୍ରାମକ ରୋଗ | ଛ) ବିଶ୍ୱତାପନ |
| ଗ) ଖରଜଳ | ଜ) ଜଳମଣ୍ଡଳ |
| ଘ) ଧୂମ କୁହୁଡ଼ି | ଝ) ଯବକ୍ଷାରଜାନ ଚକ୍ର |
| ଙ) ସହରାକରଣ | ଞ) ଅପଘଟକ |

ବିଭାଗ- 'ଗ'

୩. ନିମ୍ନୋକ୍ତ ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର ୭୫ ଶବ୍ଦ ମଧ୍ୟରେ ଦିଅନ୍ତୁ ।

୩×୧୦ = ୩୦

- କ) ପରିସଂସ୍ଥା କ'ଣ ?
- ଖ) ସୁନାମୀର କାରଣଗୁଡ଼ିକ କ'ଣ ?

- ଗ) ପରିବେଶ ସୁରକ୍ଷା ନିୟମର ମୁଖ୍ୟ ବୈଶିଷ୍ଟ୍ୟଗୁଡ଼ିକ ଲେଖ ।
- ଘ) ପ୍ରାକୃତିକ ବିପର୍ଯ୍ୟୟଗୁଡ଼ିକ କ'ଣ ?
- ଙ) ସବୁଜଗୃହ ପ୍ରଭାବ କ'ଣ ?
- ଚ) ଖାଦ୍ୟଶୃଙ୍ଖଳ ଓ ଖାଦ୍ୟଜାଳି ମଧ୍ୟରେ ପାର୍ଥକ୍ୟ ଲେଖ ।
- ଛ) ଲିଙ୍ଗାନୁପାତ କହିଲେ କ'ଣ ବୁଝାଯାଏ ?
- ଜ) ବନ୍ୟଜୀବ ସଂରକ୍ଷଣର ଆବଶ୍ୟକତା ସମ୍ପର୍କରେ ଆଲୋଚନା କର ।
- ଝ) ପରିବେଶ ଆନ୍ଦୋଳନ କ'ଣ ?
- ଞ) ଜଳ ପ୍ରଦୂଷଣ କ'ଣ ? ଏହାର କାରଣଗୁଡ଼ିକ ଲେଖ ।

ବିଭାଗ- 'ଘ'

୪ ନିମ୍ନୋକ୍ତ ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର ୫୦୦ ଶବ୍ଦ ମଧ୍ୟରେ ଦିଅନ୍ତୁ ।

୪ × ୧୦ = ୪୦

- କ) ପ୍ରାକୃତିକ ବିପର୍ଯ୍ୟୟର ଅର୍ଥ କ'ଣ ? ମନୁଷ୍ୟକୃତ ବିପର୍ଯ୍ୟୟଗୁଡ଼ିକର ପରିଚାଳନା କିପରି କରାଯାଇପାରିବ ?
- ଖ) ରାଜ୍ୟ ପ୍ରଦୂଷଣ ବୋର୍ଡ଼ର ଗଠନ ଓ କାର୍ଯ୍ୟାବଳୀ ବିଷୟରେ ବର୍ଣ୍ଣନା କର ।
- ଗ) ଭାରତରେ ପରିବେଶ ଆନ୍ଦୋଳନରେ ମହିଳାମାନଙ୍କର ଭୂମିକା ବିଷୟରେ ବର୍ଣ୍ଣନା କର ।
- ଘ) ବାୟୁମଣ୍ଡଳରେ ଥିବା ବିଭିନ୍ନ ସ୍ତର ଓ ଉପାଦାନ ସମ୍ପର୍କରେ ଉଲ୍ଲେଖ କର ।

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