

الاسم الثلاثي :

الشهادة المتقدم اليها :

التخصص العام :

MCQ			المادة	ت
رقم الصفحة	الدرجة كتابة	الدرجة رقماً		
2-1			بيئة مائية	1
4-3			تلوث صناعي	2
5			بيئة حيوانية	3
7-6			بيئة كيميائية	4
8			تلوث بيئي	5
المجموع من 60% =				
S.A			المادة	ت
رقم الصفحة	الدرجة كتابة	الدرجة رقماً		
11-9			بيئة مائية	1
14-12			تلوث صناعي	2
15			بيئة حيوانية	3
17-16			بيئة كيميائية	4
18			تلوث بيئي	5
المجموع من 40% =				
الدرجة النهائية 100% =				

Choose the correct answer:-

Q1/Best ecological factors in Ecosystem aquatic:

- a. Salinity b. Factors interference

Q2/ Changing of water temperature by

- a. Turbidity b. Water source

Q3/ The effect of water movement on living organisms due to

- a. Effects on bottom components b. Nutrient transmission

Q4/Type of living organisms according to the effect of salinity

- a. Halophobic. b. Halophilic

Q5/ The important of water movement to the living organisms

- a. Individuals distribution. b. Removal of wastes

Q6/ Divided of lakes according to the presence of nutrients:

- a. Oligo trophic b. Eutrophic. c. Dystrophic

Q7/ Divided of Biochemical cycles:

- a. Precipitation. b. Different cycles c. Gaseous cycles

Q8/ Types of producers in fresh water

- a. Algae b. Submerged plants

Q9/ Types of lakes according to geological formation

- a. Lunate.
- b. Cyclic.
- c. Semi-oblique

Q10/ Calcium sources in lakes:

- a. Denudation.
- b. Stalactite

Q11/ Factors effects the nature of fresh water:

- a. Solar radiation
- b. Wind temperature.
- c. Air

Q12/ Types of productivity

- a. Primary productivity
- b. Direct productivity
- c. Secondary productivity

13. Productivity measurements methods:

- a. Oxgen method
- b. Calcium ion method

Q14/ Light measurements instruments:

- a. Luxmeter..
- b. Luminosity measurement

Q15/ Participate of microorganisms in substances cycle by

- a. Oxidation of organic compounds
- b. Aerobic and anaerobic decomposition

Q16/ Current speed limited by

- a. Battoms roughness
- b. Gradient declination

Q33/ Which of the following is NOT one of the four Methods lost heat in animal

- A. Combustion B. conduction C. Evaporation D. Radiation

Q34/ The ability of wild animals to navigate may be adversely affected by products of human activity.

- A. True B. False

Q35/ Predation and parasitism which is considered interactions between two populations lead to negative effects on growth and survival of one of the populations

- A. True B. False

Q36/ Adaptation to avoid predator as known a camouflage

- A. True B. False

Q37/ The causes of behavior include both the external stimuli that affect behavior, and the internal hormonal and neural mechanisms that control behavior

- A. True B. False

Q38/ A lesser-known mechanism of speciation occur by hybridization

- A. True B. False

Q39/ Secondary plant compounds are:

- a- By product of animal metabolism
- b- Defensive plant materials.
- c- An essential materials for plant growth
- d- Fertilizers

Q40/ Allelochemics are:

- a- Terpenoids
- b- Alkaloids
- c- Phenols
- d- All above mentioned groups

Q41/ Apparent plants can escape their enemies by

- a- Escape in time
- b- Escape in space
- c- Escape in time and space
- d- Using repellent compounds

Q42/ Digestibility reducing substances are:

- a- Toxins
- b- Repellent materials
- c- Attractant materials
- d- Disrupting digestion

Q43/ Allelochemics can affect animals as follows:

- a- Positively
- b- Negatively
- c- Neutral effect
- d- All above mentioned points

Q44/ Plants can escape from their adaptive enemies by:

- a- Escape in time
- b- Escape in space
- c- Using other plant odder
- d- All above mentioned

Q45/ Humans used plant Allelochemics in:

- a- Medication
- b- Insect control
- c- Weed control
- d- All above mentioned

Q46/ Animals can discriminate their food either by:

- a- Test
- b- Smell
- c- Sight
- d- All above mentioned

Q47/ Adaptive animals can escape host plant toxins by:

- a- Detoxifying toxins
- b- Storing them
- c- Using them against their enemies
- d- All above mentioned

Q48/ Plants can protect their tissues from predators by:

- a- Translocation nutrients
- b-Reduced water in tissues
- c-Increasing fiber content of the leaves
- d- All above mentioned

Q49/ The fate of plant toxins in insects feeding on toxic plants is:

- a- Metabolized or excreted
- b-Store unchanged
- c-Store metabolite
- d-All above mentioned

Q50/ Toxins concentration in some plants follows the following trends:

- a-Decreased with the progression of season
- b-Increased with the progression of the season
- c-Having steady concentration
- d-None of all above

Q51/ Digestibility reducing system in plants characterized by:

- a-dehydrate and condense molecules
- b- Inhibition of prolytic enzymes
- c-Inhibition of polysaccharides digestion
- d-All above mentioned

Q52/ Plants defense strategy includes:

- a- Reach faster development, maturation, and reproduction
- b-To be with other plants having chemical repellants
- c-Having adequate amount of toxins which affect the predator and limits it's nutrient reserve
- d-All above mentioned

Q53/ Plants are important to insects because:

- a- Food and shelter
- b-Transportation
- c-Protection from storms
- d-For hibernation

Q54/ Insects are important for plants because:

- a- As food
- b-Shelter
- c-Transportation
- d-Supply of water

Q55/ Which gas is primarily responsible for Green House Effect i.e global warming. ?

- A. CO₂ B. CO C. SO₂ D. NO₂

Q56/ Populations of organisms living in aquatic life zones may be limited by

- A. access to light. B. nutrient availability. C. dissolved oxygen. D. all of these answers
E. none of these answers

Q57/ Lakes that have few minerals and low productivity are referred to as.

- A. autotrophic. B. eutrophic. C. oligotrophic. D. mesotrophic. E. oligomesotrophic

Q58/Which the following Pesticide Families is more dangerous on human health

- A) Fungicides B) Insecticides C) Herbicides

Q59/ Acid rain is formed due to contribution from the following pair of gases

- A) Methane and ozone B) Oxygen and nitrous oxide C) methane and sulphur dioxide
D) Carbon dioxide and sulphur dioxide

Q60/ The central nervous system syndrome is induced by a total-body absorbed dose of

- A. more than 1000 rad B. more than 10 rad. C. 10-1000 rad D. more than 5000 rad

Answer the following questions briefly

Q1/The effects of water movement on living organisms.

Q2/Classification of lakes depending on trophic level.

Q3/The side effects on nature of fresh water

Q4/ The Methods measurement of productivity in Ecosystem.

Q5/ The Factors which limited the vilosity of water currents

Q6/The living organisms at continental shelf zone .

Q7/The factors which effects the material consist of sea Benthic zone

Q8/ The classification of Estuaries?

Q9/ Causes of Alkalinity of water?

Q10/ Sources of pollution with Nitro gene oxide?

Q11/The Important oil pollutants in water?

Q12/ Consist of negative Detergents in water?

Q13/ Sources of air pollution with dust?

Q14/ The chemical consist of acid rain?

Q15/ Classification of bacteria contaminate the food?

Q16/ Classification of poisons fungi contaminate the food?

Q17/ The Important pollution of food?

Q18/ Causes of Alkalinity of water?

Q19/ Sources of pollution with Nitro gene oxide?

Q20/The permit ion level of Cd in drinking water?

Q21/ The permit ion level of Hg in cane food?

Q22/ The permit ion level of Chloride in drinking water?

Q 23/ What do we mean by population ecology?

Q24/ Define the term mortality and natality?

Q25/ What is the difference between migration and emigration?

Q26/ Define the term Osmoregulation?

Q27/ What are the major groups of secondary plant compounds?

Q28/ What are the major group of Allelochemicals found in apparent plants?

Q29/ How apparent plants can escape their predators?

Q30/ What are the properties of toxins?

Q31/ What are the properties of digestibility reducing substances?

Q32/What we are mean by escaping in time and space from plant natural enemies?

Q33/ Can we find animal hormones in plants?

Q34/ What we mean by “Paper factor”?

Q35/ What did you know about Source-sink relation between aphid and their host plant?

Q36/ What are the advantages of being specialist (food specialist)?

Q37/ What do we mean by bioengineered organism?

Q38/What is the aim of the uranium enrichment process?

Q39/What do we mean by green chemistry?

Q40/The greenhouse gases are:-

1- 2-

3- 4-