



BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Bachelor of Science (Honours) in Agriculture

Course Name – Soil and Water Conservation Engineering

Course Code - CC-BAG273(T)

(Semester II)

Time allotted : 1 Hrs.5 Min.

Full Marks : 50

[The figure in the margin indicates full marks.]

Group-A

(Multiple Choice Type Question)

1 x 50=50

Choose the correct alternative from the following :

- (1) Which of the following lead to soil erosion?

a) wind	b) glacier
c) water	d) All of these
- (2) The land becomes unfit for cultivation and is known as

a) Waste land	b) non-arable
c) Bad land	d) Desert land
- (3) Terracing is an affective method of soil conservation:

a) Plains	b) Hilly areas
c) Desert areas	d) Riverine areas
- (4) Deforestation causes:

a) Pollution	b) No floods
c) Soil erosion	d) None of these
- (5) Which is the main causative factor for desertification?

a) Tourism	b) Very low rainfall
c) Irrigated agriculture	d) None of these
- (6) One of the following crops is the most effective in controlling soil erosion:

a) Maize	b) Cotton
c) Green gram	d) Pigeon pea
- (7) Sheet erosion is caused by:

a) Glacier	b) Heavy rains
c) Fast running rivers	d) None of these
- (8) Soil conservation means:

- a) Prevention of spread of desert
 c) To check soil erosion by wind and rains
- b) To check soil erosion by afforestation
 d) All of these
- (9) Soil conservation can best achieved by having:
- a) Wind screens
 c) Good plant covers
- b) Low rainfall
 d) Restricted human activity
- (10) Main indicator of soil erosion is:
- a) Ozone layer
 c) Afforestation
- b) %of vegetation
 d) Goats and grazing animals
- (11) Contour binding is done to check:
- a) Sheet erOsion
 c) Gully erosion
- b) Rill erosion
 d) Ravine formation
- (12) The soil binding is done in the best way by:
- a) Algae
 c) Mycorrhizae
- b) Grasses
 d) All of these
- (13) When trees and shrubs are planted in long rows along streams, they are described as
- a) Wind breaks
 c) Soil binders
- b) Shelter belts
 d) Basin blisters
- (14) Digging pits on the slopes just for the accumulation of run off is called as:
- a) Contour trenching
 c) Beach terracing
- b) Contour terracing
 d) None of these
- (15) Which of the following prevents afforestation in deserts:
- a) Low rainfall
 c) Unfertility of soil
- b) Local resident
 d) Goat and grazing animals
- (16) Eroded soils are:
- a) Rich in plant nutrients
 c) Unaltered in plant nutrients
- b) Devoid of plant nutrients
 d) All of these
- (17) Fifth of June is celebrated as:
- a) Darwin's birthday
 c) World environment day
- b) World population day
 d) World health and hygiene day
- (18) Mulching helps in:
- a) Weed control
 c) Increasing soil fertility
- b) Moisture conservation
 d) Improvement of soil structure
- (19) The ecological equilibrium in mined areas can be achieved by:
- a) Introducing agriculture
 c) Preventing soil erosion
- b) Preventing overgrazin
 d) Developing a vegetational cover
- (20) Agrostology is related with the study of:
- a) Grasses
 c) Nematode disease
- b) Epiphytes
 d) Agricultural growth
- (21) What is the major cause of diminishing wild life?
- a) Cannibalism
 c) Habitat destruction of forest
- b) Felling of trees
 d) Paucity of drinking water
- (22) Rotation of crop is essential for:

- a) Increasing fertility of soil
c) Increasing quality of minerals
- b) Increasing quality of protein
d) Getting different kinds of crops
- (23) Soil erosion can be reduced by:
- a) Making dams
c) Reducing over grazing
- b) Planting proper plants
d) All of those
- (24) Soil erosion can be prevented by:
- a) Heavy rains
c) Afforestation
- b) Over grazing
d) Deforestation
- (25) If there is a little slope in the field, the soil erosion can be prevented by:
- a) Confour farming
c) Contour strip cropping
- b) Contour terracing
d) All of these
- (26) The fertility level of any soil is generally determined by:
- a) Aeration and hydration
c) Humus, mineral and hydration level
- b) Humus and mineral contents
d) All of these
- (27) The most common method used for cultivation on hills:
- a) Bench terracing
c) Channel terracing
- b) Ridge terracing
d) Levelling
- (28) The disadvantage of ploughing in arid and semi-arid zones is:
- a) Loss of soil water
c) Soil particles became smaller
- b) Soil organisms are exposed
d) All of these
- (29) Gullies are removed by:
- a) Levelling
c) Ridge terracing
- b) Pan breaking
d) All of these
- (30) An important agrostological technique to check soil erosion in the initial stages is:
- a) Contour farming
c) Basin listing
- b) Land retirement
d) Ley farming
- (31) The most significant and initial requirement for dry farming is:
- a) Crop selection
c) Shallow ploughing
- b) Animal husbandry
d) Development of textures
- (32) The soil permeability can be decreased due to blockers called:
- a) Clods
c) Peds
- b) Pans
d) None of these
- (33) Erosivity is the function of
- a) Rainfall intensity
c) Runoff
- b) Rainfall
d) Temperature
- (34) Land capability unit refers to the
- a) Classifying the land
c) Both 1 & 2
- b) Grade the land
d) None of these
- (35) Class-III lands of LUCC are
- a) Moderately good for cultivation
c) Not good for cultivation
- b) Good for cultivation
d) None of the above
- (36) Mulch tillage increases

- a) Moisture content in the soil
c) Flow of water
- b) Presence of air
d) All of the above
- (37) Bunds are constructed for the purpose of
- a) Retaining water
c) Both 1 & 2
- b) Controlling soil loss
d) None of these
- (38) Wind velocity higher at
- a) 50 m height from the ground
c) 100 m height from the ground
- b) 80 m height from the ground
d) 150 m height from the ground
- (39) Wind turbulence is increases with increase in
- a) Friction velocity
c) Pressure
- b) Velocity
d) Temperature
- (40) Wind turbulence is greater on
- a) Rough surface
c) Undulating surface
- b) Smooth surface
d) None of the above
- (41) The magnitude of wind turbulence is greater at
- a) Ground surface
c) Smooth surface
- b) Rough surface
d) None of the above
- (42) Soil erosion is the function of
- a) Erosivity
c) Both
- b) Erodibility
d) None of these
- (43) The sequence of water erosion is
- a) Splash, sheet, rill, gully
c) Rill, Splash, sheet
- b) Sheet, gully, rill
d) Gully erosion, Splash, sheet, rill
- (44) Gully development is accomplished under
- a) Four
c) Two
- b) Three
d) One
- (45) Gabion structure are
- a) Flexible
c) Both 1 & 2
- b) Permeable
d) None of these
- (46) Wind erosion will be higher from
- a) barren sandy soil
c) Sandy soil
- b) Clay soil
d) Loam soil
- (47) Wind velocity is less at:
- a) Ground surface
c) Below the ground
- b) Above the ground
d) All of the above
- (48) If the top soil has been eroded, we retire a land and execute the following process:
- a) Plantation of trees
c) Growing Legumes
- b) Growing Lichens
d) growing Blue-green algae
- (49) If the same crop is repeatedly grown in a field:
- a) Water level in soil will recede
c) Soil will become prone to diseases
- b) Nitrogen starvation many result
d) Specific mineral deficiency may arise
- (50) Bunds, dams and drains are constructed to prevent:

- a) Gully erosion
- c) Sheet erosion

- b) Slip erosion
- d) Stream bank erosion