



MACRO VISION ACADEMY, BURHANPUR

SUMMER ASSIGNMENT 2018-19

BIOLOGY

CLASS IX

- Broccoli, cabbage, cauliflower obtained from wild cabbage through
a) Introduction b) Plant breeding c) Artificial selection d) Hybridisation
- Dr. N.E. Borlaug was the scientist behind the green revolution as he developed high yielding variety of
a) Chick pea b) Pigeon pea c) Soybean d) Wheat
- Which of the following is involved in enzyme activity?
a) Fe b) N c) Ca d) Mg
- Which of the following take part in building plant body and different protoplasmic structures?
a) N b) P c) K d) All of these
- Which of the following is green manure?
a) Sun hemp b) Beans of guar c) Both d) None of these
- Cotton boll weevil and grain weevil are
a) Sucking insect b) Borer insect c) Chewing insect d) All of these
- Chenopodium and Amaranthus are
a) Rabi and kharif weeds respectively b) Both Rabi weeds
c) Both kharif weeds d) Kharif and rabi respectively
- Required Moisture content in seeds before storing must be
a) Below 5% b) Below 15% c) Below 25% d) Above 15%
- Black poison is
a) Aluminium phosphide b) Ethyl dichloride
c) Methyl bromide d) Carbon tetrachloride
- Bos bubalis and Bos indicus is
a) Cow and buffalo respectively b) Buffalo and cow respectively
c) Goat and buffalo d) Buffalo and pig
- Select viral disease from the following
a) Foot and mouth disease b) Rinderpest
c) Cowpox d) All of these
- Layers start laying egg at the age of
a) 20 weeks b) 30 weeks c) 10 weeks d) 24 weeks
- Cod liver oil is rich in
a) Vitamin A and B b) Vitamin A and D c) Vitamin C and D d) Vitamin A and K
- Synthetic hormone used for induced breeding is
a) Ovatide b) Ovaprim c) Nova d) All of these
- Identify the correct sequence
a) Spawn, hatchling, fry and fingerlings b) Hatchling, Spawn, fry and fingerlings
c) Hatchling, fry, Spawn and fingerlings d) Spawn, fry, hatchling, and fingerlings
- Select the group of marine fishes
a) Pomphrets, Mackerels, tuna, sardine b) Catla, Mackerels, tuna, Rohu
c) Pomphrets, Silver carp, tuna, sardine d) Pomphrets, Common carp, tuna, sardine
- Royal jelly is used for treatment of
a) Arthritis b) Meningitis c) Gastric disorder d) Cancer
- Unfertilized egg of honeybee developed into
a) Workers b) Drones c) Queen d) Any of these
- Exotic variety of bee is
a) Apis cerana indica b) Apis dorsata
c) Apis mellifera d) Apis florea
- Improved variety obtained from crossing Thaparkar and Holstein Friesian is
a) Karan Swiss b) Karan Fries c) Karan Kapoor d) Frieswal
- 'Operation Flood' is related to:
a) Flood and disaster management b) White revolution (Milk production)
c) Green revolution d) Brown revolution

- 41: Why does India not have any major scope for increasing the area of land under cultivation?
 a) Because India is surrounded by ocean on 3 sides
 b) Because most of the land area in India is not fit for cultivation
 c) Because most of the area under cultivation in India is already intensively cultivated
 d) None of these
- 42: Which of these is a macro nutrient?
 a) Copper b) Iron c) Chlorine d) Magnesium
- 43: Choose the abiotic factor.
 a) Moisture content b) Insects c) Birds d) Fungi
- 44: Pick the odd one out.
 a) Shoot borer b) Pigeon pea c) Sorghum d) Chickpea
- 45: Pick the odd one out.
 a) Hand hoeing b) Herbicides c) Weeding d) Intercultural
- 46: The science of vegetable culture is called
 a) agriculture b) horticulture c) apiculture d) floriculture
- 47: All animals are
 a) parasitic b) saprophytic c) autotrophic d) heterotrophic
- 48: The chief cereal crop of India is
 a) wheat b) sorghum c) maize d) rice
- 49: Which is the most important source of food and fodder?
 a) Algae b) Fungi c) Lichen d) Cereal
- 50: The element which is required in largest quantity by plants is
 a) sulphur b) calcium c) nitrogen d) Iron
- 51: Nodules with nitrogen-fixing bacteria are present in
 a) gram b) wheat c) mustard d) cotton
- 52: Application of nitrogenous manure to a plant causes
 a) growth retardation due to toxicity of ammonia
 b) early flowering
 c) early fruiting
 d) vigorous vegetative growth
- 53: Rotation of crops is essential for
 a) getting different kinds of crops
 b) increasing quality of minerals
 c) increasing fertility of soil
 d) increasing quality of proteins
- 54: The unwanted plants are known as
 a) weeds b) shrubs c) grasses d) reeds
- 55: Living organisms are used in _____.
 a) organic manure b) biofertilizers
 c) natural insecticides d) pesticides
- 56: Which of the following is not a sustainable agriculture technique?
 a) Mixed farming b) Slash and burn farming
 c) Crop rotation d) Crop selection
- 57: Which of the following is not a characteristic of mixed cropping?
 a) Minimises risk of crop failure
 b) Set pattern of rows
 c) Harvesting and threshing of crops separately is not possible
 d) Individual marketing and consumption of crop is not possible
- 58: Who is the architect of green revolution in India?
 a) M.S. Ramaiah b) Aryabhatta
 c) M.S. Swaminathan d) Jawahar Lal Nehru
- 59: A popular improved variety of rice is _____.
 a) Pusa 240 b) Pusa Bold c) Pusa Basmati d) PusaAgeti
- 60: Which of the following is not a step of plant breeding?
 a) Introduction b) Cultivation c) Selection d) Hybridization
- 61: Plants can be made disease-resistant by _____.
 a) heat treatment b) hormone treatment
 c) colchicines treatment d) breeding with their wildy growing relatives

- 62: Grains should be _____ before storage
a) dried b) wet c) polished d) dehusked
- 63: Find the out-of-place crop here:
a) Paddy b) Maize c) Cotton d) Mustard
- 64: Which of the following is not an efficient way of storing grains?
a) Strict cleaning of the produce before storage.
b) Proper drying of the produce in sunlight and then in shade.
c) Fumigation using pesticides.
d) Spraying water-based insecticides over the grains while storing them.
- 65: Which of the following is not a source of protein?
a) Sorghum b) Gram c) Pigeon pea d) Lentil
- 66: Loss of grain quality during storage is evident as
a) increase in weight b) discoloration of produce
c) enhanced germinability d) upgraded quality
- 67: Which of the following months is not associated with the Rabi crops?
a) October b) November c) December d) January
- 68: Which of the following is not a factor responsible for loss of grains during storage?
a) Rodents b) Mites c) PH d) Moisture
- 69: Kharif crops grow in _____ season.
a) summer b) autumn c) rainy d) winter
- 70: Which of the following is the abiotic factor responsible for loss of grains during storage?
a) Fungi b) Moisture c) Mites d) Rodents
- 71: Which of the following is a fodder crop?
a) Linseed b) Berseem c) Green grams d) Sesame
- 72: Manure is prepared by _____ of animal excreta and plant waste.
a) chemical preparation b) decomposition
c) aeration d) denitrification
- 73: Which of the following is not efficient in weed control?
a) Proper seed - bed preparation b) Untimely sowing of crops
c) Use of resistant crop varieties d) Summer ploughing system
- 74: Which of the following is not mainly supplied by fertilizers?
a) N b) P c) Na d) K
- 75: Vermicomposting is hastened by _____
a) chemicals b) earthworms c) birds d) insects
- 76: Weeds should be removed from a crop field as early as possible, because
a) weeds compete for food, space and light with the main crop
b) weeds take up nutrients from the soil leaving less nutrients for the main crop
c) weeds reduce the yield of the main crop
d) all of the above
- 77: Which of the following is true about fertilizers?
a) Continuous use destroys soil fertility
b) It elaborates the vegetative growth of the plant.
c) Microorganisms in the soil are harmed
d) These are not fully absorbed by the plants
- 78: Manure contain large quantities of _____ matter
a) chemical b) organic c) inorganic d) physical
- 79: All of the following are disease-causing pathogens in plants, except
a) bacteria b) viruses c) fungi d) algae
- 80: Which of the following is not a weed?
a) Parthenium b) Cyperinus c) Xanthium d) Lentil
- 81: The practice of growing two or more crops simultaneously in a fixed pattern is known as
a) mixed cropping b) intercropping c) intra cropping d) crop rotation
- 82: Which of the following statement is not true?
a) Short duration of the crop from sowing to harvesting is beneficial
b) Varieties resistant to various biotic and abiotic factors can yield better.
c) Weather conditions such as drought and flood situations are predictable
d) Dwarf cereal varieties consume fewer nutrients

- 83: Which of the following is not a benefit of intercropping?
a) Minimum utilization of the nutrients supplied
b) Prevents pests and diseases from spreading to all the plants in a field
c) Better returns from both the crops
d) Reduces the risk of damaging both crops
- 84: Which of the following is not an abiotic factor affecting crop production?
a) Drought b) Salinity c) Water-logging d) Diseases
- 85: Crops with ____ nutrient requirements are chosen for intercropping.
a) zero b) similar c) different d) none of these
- 86: The _____ quality of wheat is desirable.
a) baking b) protein c) oil d) preserving
- 87: Growing wheat + gram simultaneously on the same piece of land in no fixed pattern is known as
a) mixed cropping b) intercropping c) single cropping d) crop rotation
- 88: Crossing between genetically dissimilar plant varieties is known as
a) cropping b) hybridization c) tissue culture d) insemination
- 89: Which of the following is not practised in organic farming?
a) Minimal or no use of chemical fertilizers
b) Minimal input of manures
c) Use of recycled farm wastes
d) Observing healthy cropping systems.
- 90: Air supplies ____ and _____.
a) C and H b) C and O c) H and O d) C, H and O
