

FROM THE DROP DOWN LIST, SELECT THE CORRECT ANSWER FOR ALL OF THESE FOLLOWING QUESTIONS.

Click "check my answers" and then refer to marks given on the top left of worksheet

QUESTION 1

Plant biotechnology involves

production of valuable products in plants

rapid clonal multiplication of desired genotypes

production of virus free plants

all of these

agar

dextran

mannan

all of these

QUESTION 2

The most common solidifying agent used in micropropagation is

liquid culture

micro propagation

agar culture

suspension culture

QUESTION 3

The culturing of cells in liquid agitated medium is called

QUESTION 4

Which of the following is the best suited for production of virus free plants

embryo culture

meristem culture

ovule culture

anther culture

medium is continuously replaced

medium is loaded only at the beginning

no depletion of medium occurs

cellular wastes are continuously removed and replaced

QUESTION 5

Batch cultures are type of suspension culture where

seeds produced in laboratory condition

seeds encapsulated in a gel

somatic embryos encapsulated in a gel

zygotic embryos encapsulated in a gel

QUESTION 6

Artificial seeds are

virus

Agrobacterium tumefaciens

Bacillus thuringiensis

Agrobacterium rhizogenes

QUESTION 7

Hairy cultures for secondary metabolite production are induced by transforming plant cells with

QUESTION 8

The variation in invitro culture is called as

in vitro variation

mutation

somaclonal variation

all of these

anther culture

ovary culture

anther & ovary culture

embryo culture

QUESTION 9

Haploid plants are produced in large numbers by

QUESTION 10

The basic components of tissue culture media are

micro and macro nutrients, glucose

micro and macro nutrients, vitamins, agar

micro and macro nutrients and growth regulators, glucose

micro and macro nutrients, growth regulators, agar, vitamins, glucose