

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

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

### QUESTION 10

The basic components of tissue culture media are