

Question # 1 of 30 (Start time: 09:23:04 PM, 29 December 2020)

To

Biotech crops may provide enhanced quality traits such as increased levels of beta-carotene in rice to aid in reducing _____ deficiencies.

Select the correct option



vitamin A



vitamin B



vitamin C



vitamin D

Question # 2 of 30 (Start time: 09:23:56 PM, 29 December 2020)

To

Undifferentiated cells are also called as _____.

Select the correct option



Haploid cells



Meristematic cells

Question # 3 of 30 (Start time: 09:24:58 PM, 29 December 2020)

Tot

Which of the following is a tumor inducing Bacteria?

Select the correct option



Agrobacterium rhizogene



Agrobacterium tumefaciens



Agrobacterium subtilis



E.coli

Question # 4 of 30 (Start time: 09:25:42 PM, 29 December 2020)

To

To prevent the fire blight disease from spreading further, chemicals like _____ can be used.

Select the correct option



Alcohol



Terramycin



Butanol



Acetic acid

Question # 5 of 30 (Start time: 09:27:02 PM, 29 December 2020)

To

Anything in the genome that is variable and can be used to compare individuals is called_____

Select the correct option



Genetic marker



Protein marker



Molecular marker



Morphological marker

Question # 6 of 30 (Start time: 09:28:27 PM, 29 December 2020)

To

_____ are living genetic resources such as seeds or tissues that are maintained for the purpose of plant breeding, preservation, and other research uses

Select the correct option

☐	Cytoplasm
☐	Protoplasm
☒	Germplasm
☐	Neoplasm

Question # 6 of 30 (Start time: 09:28:27 PM, 29 December 2020)

To

_____ are living genetic resources such as seeds or tissues that are maintained for the purpose of plant breeding, preservation, and other research uses

Select the correct option

☐	Cytoplasm
☐	Protoplasm
☒	Germplasm
☐	Neoplasm

Question # 7 of 30 (Start time: 09:29:59 PM, 29 December 2020)

To

Morphological markers are the Visual characterisation of _____characters.

Select the correct option

☒	Phenotypic
☐	Genotypic
☐	Allelic
☐	None of the given

Question # 7 of 30 (Start time: 09:29:59 PM, 29 December 2020)

To

Morphological markers are the Visual characterisation of _____characters.

Select the correct option

☒	Phenotypic
☐	Genotypic
☐	Allelic
☐	None of the given

Question # 8 of 30 (Start time: 09:31:36 PM, 29 December 2020)

To

In which of the following Plant response the Plant cells are killed?

Select the correct option

☒	Necrotrophy
☐	Biotrophy
☐	Hemibiotrophy
☐	None of these

Question # 9 of 30 (Start time: 09:33:00 PM, 29 December 2020)

To

Shifting of plants from pots to the field is called as _____.

Select the correct option

Plotting



Hardening



Question # 9 of 30 (Start time: 09:33:00 PM, 29 December 2020)

To

Shifting of plants from pots to the field is called as _____.

Select the correct option



Plotting



Hardening

Question # 10 of 30 (Start time: 09:34:39 PM, 29 December 2020)

To

Auxins occur universally in all plants as _____growth = Auxin production.

Select the correct option



Passive



Active

Question # 11 of 30 (Start time: 09:36:07 PM, 29 December 2020)

To

Frequent _____ is done to ensure adequate nutrition and to avoid the buildup of waste metabolites in tissue culture.

Select the correct option



Culturing



Modification



Washing



Sub culturing

Question # 12 of 30 (Start time: 09:37:39 PM, 29 December 2020)

To

An over expression gene of EPSPS was detected in

Select the correct option



Gazania



petunia flower



sunflower



None

Question # 13 of 30 (Start time: 09:38:57 PM, 29 December 2020)

To

Rubisco enzyme present in the Plant tissue has a key role in_____.

Select the correct option



Root hair formation



Transpiration



Water translocation

Atmospheric CO₂ Fixation

Question # 15 of 30 (Start time: 09:40:31 PM, 29 December 2020)

To

According to Nitsch ('72) and Sunderland ('71) anthers with _____ pollens are suitable for culture.

Select the correct option



Dinucleate



Uninucleate



Trinucleate



Tetranucleate

Question # 16 of 30 (Start time: 09:41:37 PM, 29 December 2020)

To

Activated charcoal may adsorb the _____ substances present in the medium

Select the correct option



Cytokinin



Auxin



Inhibitory



Stimulatory

Question # 17 of 30 (Start time: 09:42:51 PM, 29 December 2020)

To

Plant breeding can be conveniently separated into _____ activities: manipulating genetic variability and plant evaluation.

Select the correct option



Three



Two

Question # 17 of 30 (Start time: 09:42:51 PM, 29 December 2020)

To

Plant breeding can be conveniently separated into _____ activities: manipulating genetic variability and plant evaluation.

Select the correct option



Three



Two

Question # 18 of 30 (Start time: 09:44:13 PM, 29 December 2020)

To

Biotechnology-derived vaccines are used in_____.

Select the correct option



animals



plants



animals and humans



microbes

Question # 19 of 30 (Start time: 09:45:31 PM, 29 December 2020)

Total

About _____% of crop yield in Pakistan is effected by the wind stress

Select the correct option



30



40



60



50

Question # 19 of 30 (Start time: 09:45:31 PM, 29 December 2020)

To

About _____% of crop yield in Pakistan is effected by the wind stress

Select the correct option



30



40



60



50

Question # 20 of 30 (Start time: 09:46:44 PM, 29 December 2020)

To

_____ refers to the state of being able to take up exogenous DNA from the environment.

Select the correct option



competence



transformation



microinjection



Biolistics

Question # 21 of 30 (Start time: 09:48:05 PM, 29 December 2020)

To

The young sporophyte of a seed plant usually comprising a rudimentary plant with _____, _____, and _____.

Select the correct option



Plumule



Radicle



Cotyledons



All of the given

Question # 22 of 30 (Start time: 09:49:12 PM, 29 December 2020)

To

Which of the following methods are used to make Bacterial cells competent to take the foreign plasmid DNA. _____ ?

Select the correct option



Calcium chloride method



Electroporation



Heat shock method



All of these

Question # 22 of 30 (Start time: 09:49:12 PM, 29 December 2020)

To

Which of the following methods are used to make Bacterial cells competent to take the foreign plasmid DNA. _____ ?

Select the correct option



Calcium chloride method



Electroporation



Heat shock method



All of these

Question # 23 of 30 (Start time: 09:50:44 PM, 29 December 2020)

To

Pluck _____ fruits from the field and wash thoroughly in running water for about an hour.

Select the correct option



Healthy and mature



Unhealthy and immature

Question # 24 of 30 (Start time: 09:51:47 PM, 29 December 2020)

To

Which of the physiological damage is caused by salt stress?

Select the correct option



Water deficiency



Ion cyto-toxicity



Osmotic stress



All of these

Question # 25 of 30 (Start time: 09:53:07 PM, 29 December 2020)

To

In a world where 7 Billion people, living mostly in rural areas, go hungry every day, Food demand is set to _____ in the next thirty years to deal with this situation.

Select the correct option



Triple



• Triple
Double



Reduced



Increased

Question # 25 of 30 (Start time: 09:53:07 PM, 29 December 2020)

To

In a world where 7 Billion people, living mostly in rural areas, go hungry every day, Food demand is set to _____ in the next thirty years to deal with this situation.

Select the correct option

☐

Triple

☒

• Triple
Double

☐

Reduced

☐

Increased

Question # 26 of 30 (Start time: 09:54:34 PM, 29 December 2020)

To

Transformation can also be effected by artificial means.

Select the correct option

Yes



No



Question # 27 of 30 (Start time: 09:55:36 PM, 29 December 2020)

To

_____ induces crown gall disease in Plants?

Select the correct option



A. tumefaciens



A. rhizogenes



E.coli



All of these

Question # 28 of 30 (Start time: 09:56:53 PM, 29 December 2020)

To

Which condition is the outcome of drought in plants_____?

Select the correct option



Reduced availability of water for vital cellular function



Reduced Turgor pressure.



Osmotic pressure.



All given

Question # 28 of 30 (Start time: 09:56:53 PM, 29 December 2020)

To

Which condition is the outcome of drought in plants_____?

Select the correct option



Reduced availability of water for vital cellular function



Reduced Turgor pressure.



Osmotic pressure.



All given

Question # 29 of 30 (Start time: 09:58:33 PM, 29 December 2020)

To

Molecular _____are used in agriculture to more accurately diagnose crop/livestock diseases.

Select the correct option



Diagnostics



Chemistry



Genetics



Markers

Question # 30 of 30 (Start time: 09:59:36 PM, 29 December 2020)

Tot

_____ and _____ are utilized by *A. tumefaciens* as sources of carbon and energy.

Select the correct option



opines, agropines



auxin, cytokinin



Ti plasmid, T-DNA



amino acids, sugar derivatives

Question # 30 of 30 (Start time: 09:59:36 PM, 29 December 2020)

Tot

_____ and _____ are utilized by *A. tumefaciens* as sources of carbon and energy.

Select the correct option



opines, agropines



auxin, cytokinin



Ti plasmid, T-DNA



amino acids, sugar derivatives