

Shivaji University, Kolhapur  
Summer Examination 2020

Course Name : 65843-Botany Paper XIV  
Subject Name : (65843)Botany Paper XIV  
Paper Name : 65843-Botany Paper XIV

Paper Code :  
65843  
Max. Marks :  
50

Date : 31/10/2020  
Time : 11:00AM - 12:00PM

महत्वाची सूचना : विद्यार्थ्यांनी 30 पैकी 25 प्रश्न सोडवावेत (प्रत्येकी 2 मार्कस) अथवा 60 पैकी 50 प्रश्न सोडवावेत (प्रत्येकी 1 मार्क)

- Q.1  
Gram staining used to stain the .....
- (1)Algae (3)Bacteria  
(2)Fungi (4)Viruses
- Q.2  
In Gram stain..... primary stain
- (1)Crystal violet (3)Eosin  
(2)Light green (4)Safranin
- Q.3  
Acid fast staining is used to stain.....
- (1)Penicillium (3)Xanthomonas  
(2)Rhizobium (4)Mycobacterium
- Q.4  
..... is the primary stain in the Acid Fast stain
- (1)Light green (3)Eosin  
(2)Carbol Fuchsin (4)Safranin
- Q.5  
After the Gram stain the gram positive bacteria appears in .....colour.
- (1)purple (3)Orange  
(2)green (4)black
- Q.6  
After the Gram stain the gram negative bacteria appears in .....colour.
- (1)white (3)pink  
(2)green (4)black
- Q.7  
After the Acid fast stain the bacteria appears in .....colour.
- (1)orange (3)black  
(2)red (4)green
- Q.8  
.....is the process to kill the microorganisms completely from the surface of the objects.
- (1)Incubation (3)Hypertrophy  
(2)Inoculation (4)Sterilization
- Q.9

In Stain Chromospheres gives the ..... to biological objects.

- |             |           |
|-------------|-----------|
| (1)granules | (3)shape  |
| (2)energy   | (4)colour |

Q.10

Oven is the .....type of sterilization.

- |                |               |
|----------------|---------------|
| (1)hot air     | (3)flame      |
| (2)moist steam | (4)filtration |

Q.11

In gram stain the mordant stain is.....

- |                   |            |
|-------------------|------------|
| (1)Carbol Fuchsin | (3)Iodine  |
| (2)Light green    | (4)alcohol |

Q.12

In bacteria sexual reproduction takes place by .....

- |                   |                |
|-------------------|----------------|
| (1)Binary fission | (3)Conjugation |
| (2)Endospore      | (4)Budding     |

Q.13

The donar strain of bacteria contains .....

- |                 |                    |
|-----------------|--------------------|
| (1)F' factor    | (3)Y-chromosome    |
| (2)X-chromosome | (4)XY- chromosomes |

Q.14

The F plasmid is involved in the process of .....

- |                 |                   |
|-----------------|-------------------|
| (1)Transduction | (3)Transformation |
| (2)Conjugation  | (4)Transposition  |

Q.15

Capsid of viral genome is made up of .....

- |                      |                 |
|----------------------|-----------------|
| (1)Lipid coat        | (3)Protein coat |
| (2)Carbohydrate coat | (4)Starch coat  |

Q.16

A process of horizontal gene transfer, by which some bacteria take up foreign DNA as genetic material during recombination is known as .....

- |                 |                   |
|-----------------|-------------------|
| (1)Transduction | (3)Transformation |
| (2)Conjugation  | (4)Transmission   |

Q.17

Infectious or parasitic biotic pathogen is .....

- |                  |                 |
|------------------|-----------------|
| (1)Fungi         | (3)N deficiency |
| (2)Zn deficiency | (4)P deficiency |

Q.18

On the basis of natural perpetuation and mode of infection the diseases are classified into.....

- |                                      |   |
|--------------------------------------|---|
| (1)Air borne diseases                | (3)Air borne, Soil borne and Seed borne diseases              |
| (2)Air borne and Soil borne diseases | (4)Air borne, Soil borne, Seed borne and Water borne diseases |

Q.19

..... is an example of classification of crop diseases based on symptoms.

- |                      |                       |
|----------------------|-----------------------|
| (1)Canker            | (3)Seed borne disease |
| (2)Air borne disease | (4)Soil borne disease |

Q.20

A malfunctioning process that is caused by continuous irritation and produce symptoms is known as .....

- (1)Pathogen
- (2)Plant disease

- (3)Pathology
- (4)Phytopathology

Q.21

.....is the science that studies the causes of plant diseases, the mechanism of disease development in plants and disease management.

- (1)Plant pathology
- (2)Parasitology
- (3)Mycology
- (4)Microbiology

Q.22

A disease caused by non living organisms is known as .....

- (1)Total infectious disease
- (2)Infectious disease
- (3)Non infectious disease
- (4)Semi infectious disease

Q.23

A disease that is caused by living organisms is known as .....

- (1)Semi infectious disease
- (2)Non infectious disease
- (3)Infectious disease
- (4)Total infectious disease

Q.24

..... prefer to live within the soil, generally causing root diseases.

- (1)Soil-borne pathogens
- (2)Air-borne pathogens
- (3)Seed-borne pathogens
- (4)Water-borne pathogens

Q.25

Yellow vein Mosaic of Bendi, caused by Begomovirus and is transmitted through .....

- (1)White flies
- (2)White grubs
- (3)Grass hoppers
- (4)Aphids

Q.26

Grassy shoot disease of Sugarcane is caused by .....

- (1)Fungi
- (2)Bacteria
- (3)Virus
- (4)Mycoplasma like organisms

Q.27

Heat treatments have been used to control certain ..... Pathogens, while maintaining seed viability.

- (1)Soil-borne
- (2)Seed-borne
- (3)Air-borne
- (4)Water-borne

Q.28

..... prefer to live within the soil, generally causing root diseases.

- (1)Water-borne pathogens
- (2)Seed-borne pathogens
- (3)Air-borne pathogens
- (4)Soil-borne pathogens

Q.29

Citrus canker disease is caused by .....

- (1)Bacillus
- (2)Xanthomonas
- (3)Azotobacter
- (4)Rhizobium

Q.30

The pathogen which causes Downy mildew of Bajara is .....

- (1)Puccinia
- (2)Taphrina
- (3)Spacelotheca
- (4)Sclerospora