

Signature of Invigilator .....	To be filled in by candidate by ball-point pen only	OMR Sl. No. _____
	Roll No. _____	_____
Time of Examination .....	<b>Declaration : I have read and understood the instructions given below.</b>	
Date of Examination .....	Full Signature of Candidate .....	<b>Full Marks : 80/50</b> <b>Time : 1 hour</b>
	Name of Candidate .....	

Number of Questions  
in the Booklet } **50/40**

## **UU 6th Semester Examination, 2020**

### **INSTRUCTIONS TO CANDIDATES**

- Immediately after getting the booklet read instructions carefully mentioned on the front and back page of the Question Booklet. Do not open the seals unless asked by the Invigilator.
- Write your Roll No., OMR Response Sheet No., in the specified places given above and put your signature.
- Write the subject code of the booklet in your OMR Sheet.
- Make all entries in the OMR Response Sheet as per the given instructions; otherwise OMR Response Sheet will not be evaluated.
- After opening the seals, ensure that the Question Booklet contains total no. of pages as mentioned above and printing of all the **50 / 40** questions are proper. If any discrepancy is found, inform the invigilator within **15** minutes and get the correct Question Booklet.
- For each question in the Question Booklet choose the correct option from the given four alternatives and darken the same circle in the OMR Response Sheet with Black or Blue ball-point pen.
- Darken the circle of correct answer properly; otherwise answers will not be evaluated. The candidate will be fully responsible for it.
- If more than one option is darkened for a particular question, then it will be treated as wrong answer.
- After completion of the examination, only OMR Response Sheet is to be handed over to the invigilator.

**THERE IS NO NEGATIVE MARKING FOR WRONG ANSWER**

# Rough Work

## BOTANY (DSE-III)

(Answer any 25 questions)

- 1 Who is the father of Horticulture
  - (A) Dr M.S.Swaminathan
  - (B) Liberty H. Bailey
  - (C) Dr M. Attavar
  - (D) M.H. Marigowda
- 2 When it is Golden revolution, it relates to:
  - (A) Production of gold
  - (B) Production of honey
  - (C) Production of sunflower
  - (D) Production of marrigold
- 3 One of the best ecotourism place of Odisha is
  - (A) Daringibadi,Kandhamal
  - (B) Gopalpur,Ganjam
  - (C) Black pagoda,Puri
  - (D) Ghatagaon,Keonjhar
- 4 Carnation flower belongs to family
  - (A) Caryophyllaceae
  - (B) Amaryllidaceae
  - (C) Asteracea
  - (D) Combretaceae
- 5 Velamen is a tissue found in which ornamentals
  - (A) Gladiolus
  - (B) Indian laburunum
  - (C) Members of Orchids
  - (D) Coral Trees
- 6 Ornamental Jacaranda belongs to the family
  - (A) Juglandaceae
  - (B) Bignoniaceae
  - (C) Magnoliaceae
  - (D) Anacardiaceae
- 7 Gladiolus vegetative propagation takes place by
  - (A) Stem cutting
  - (B) Corm cuttings
  - (C) Root cuttings
  - (D) Leaf cuttings
- 8 What is the botanical name of Areca palm
  - (A) Areca catechu
  - (B) Chrysalidocarpus lutescens
  - (C) Fragaria ananassa
  - (D) Anacardium occidentale
- 9 Which of the following is an Urban horticulture
  - (A) Social forestry
  - (B) Plantation in the big Colleges
  - (C) Rooftop kitchen garden
  - (D) Plantation in Road sides
- 10 Hapus is a variety popularly known as
  - (A) Ratnagiri mango
  - (B) Alphonso mango
  - (C) Banganapalli mango
  - (D) Chausa mango

- 11 Chini Champa is a variety of which fruit
- (A) Banana
  - (B) Cucurbits
  - (C) Mango
  - (D) Lemon
- 12 The function of fruit marketing cooperatives is
- (A) To benefit grower in marketing
  - (B) To benefit the management
  - (C) To curb the independence of grower
  - (D) To provide profit to the brokers
- 13 Which of the following is the best source of Vitamin A
- (A) Lemon
  - (B) Orange
  - (C) Chili
  - (D) Banana
- 14 Which of these bacteria is not an example of biofertiliser
- (A) Azotobacter
  - (B) Rhodospirillum
  - (C) Archaeobacteria
  - (D) Cyanobacteria
- 15 More amount of nutrition and water can be made available to the crop through
- (A) Surface irrigation
  - (B) Sprinkler irrigation
  - (C) Spraying with sprayers
  - (D) Drip irrigation
- 16 Bridge grafting is adapted where
- (A) Scion is healthy but portion of root near collar is damaged
  - (B) Both scion and root is damaged
  - (C) Scion is inserted to root stock
  - (D) Slanting cut is made to scion and root stock
- 17 Technique of forming adventitious root from a plant part is called
- (A) Rooting
  - (B) Layering
  - (C) Trenching
  - (D) Grafting
- 18 Which of the following are the components of residential landscaping
- (A) Mowing the lawn
  - (B) Trimming hedges and plants
  - (C) Planting flowers and ornamentals
  - (D) All of the above
- 19 Florists use to preserve the cut flowers by using
- (A) Auxins
  - (B) Florigens
  - (C) Cytokinins
  - (D) Ethylene
- 20 Truck gardening is practiced to produce
- (A) Vegetables for local market yard
  - (B) Large quantity of vegetable for distant place
  - (C) To carry in a truck to market
  - (D) Crops beyond its growing season

- 21 In orchard planning, the wind break is carried out by
- (A) Planting tall trees along its boundary
  - (B) Planting dwarf trees in the boundary
  - (C) Planting tall trees in the middle
  - (D) Planting dwarf trees in the middle
- 22 Meadow orcharding concept was originated from
- (A) Israel
  - (B) Phillipines
  - (C) Nigeria
  - (D) Canada
- 23 Concept of Mughal gardens was introduced by which Mughal Emperor in India
- (A) Jahangir
  - (B) Babar
  - (C) Mughal Begum Nur Jahan
  - (D) Shah Jahan
- 24 Which garden styles teach the lesson of 'how to think big'
- (A) English garden
  - (B) Japanese garden
  - (C) French garden
  - (D) European garden
- 25 Why people prefer Bonsai in their houses
- (A) Point of attraction
  - (B) For getting fruits and flowers
  - (C) A new technology of growing plants
  - (D) Respected as an ancient art of Feng shui which derives life energy in to a house
- 26 "Surface pitting " is a characteristic chilling injury in
- (A) Banana
  - (B) Pineapple
  - (C) Citrus
  - (D) Apple
- 27 Which organic acid is more found in a cultivated apple
- (A) Pyruvic Acid
  - (B) Malic Acid
  - (C) Oxalic Acid
  - (D) Citric Acid
- 28 Most suitable material for packing of cut flowers is
- (A) Plastic Boxes
  - (B) Card Board Boxes
  - (C) Wooden Boxes
  - (D) Iron Boxes
- 29 First commodity for which grading and marketing rules were framed is
- (A) Tomato
  - (B) Mango
  - (C) Grape
  - (D) Apple
- 30 Integrated pest management aims at
- (A) keeping the pest population below injurious level
  - (B) strengthening the host
  - (C) increasing natural enemies of the pest
  - (D) billing the pests
- 31 Which of the following is a bio control agent
- (A) Sanjeevani
  - (B) Trichoderma
  - (C) Azolla
  - (D) Anabaena

- 32 Exclusion of plant diseases by legislation is called
- (A) disease resistance
  - (B) biological control
  - (C) plant quarantine
  - (D) cultural control
- 33 Citrus canker disease of lemon is caused by
- (A) *Xanthomonas citri*
  - (B) *Xanthomonas campestris*
  - (C) *Colletotrichum falcatum*
  - (D) *Colletotrichum lindemuthianum*
- 34 Micropropagation involves
- (A) Vegetative multiplication using microorganisms
  - (B) Vegetative multiplication using small plant parts
  - (C) Vegetative multiplication using microspores
  - (D) Vegetative multiplication using embryos
- 35 The term WIPO stands for
- (A) World investment policy organization
  - (B) World intellectual property organization
  - (C) World intelligence property organization
  - (D) Wildlife investigation and policing organization
- 36 The rights of the owner of a patent include
- (A) License
  - (B) Sell or distribute
  - (C) Assign the property to others
  - (D) All of the above
- 37 How long do patents usually last for
- (A) 10 years
  - (B) 30 years
  - (C) 20 years
  - (D) 25 years
- 38 Genetic diversity in horticultural crops is threatened by
- (A) Introduction of high yielding varieties
  - (B) Intensive use of fertilizers
  - (C) Extensive intercropping
  - (D) Extensive use of pesticides
- 39 Which of the following is a best method of germplasm conservation
- (A) Herbarium
  - (B) Seed bank
  - (C) Botanical garden
  - (D) Zoological park
- 40 International Society of Horticultural Science is headquartered at
- (A) Germany
  - (B) France
  - (C) Belgium
  - (D) Netherlands



