

Write the following information in the first page of Answer Script before starting answer

ODD SEMESTER EXAMINATION: 2020-21

Exam ID Number _____

Course _____ Semester _____

Paper Code _____ Paper Title _____

Type of Exam: _____ (Regular/Back/Improvement)

Important Instruction for students:

1. Student should write objective and descriptive answer on plain white paper.
2. Give page number in each page starting from 1st page.
3. After completion of examination, Scan all pages, convert into a single PDF, rename the file with Class Roll No. (2019MBA15) and upload to the Google classroom as attachment.
4. Exam timing from 10am – 1pm (for morning shift).
5. Question Paper will be uploaded before 10 mins from the schedule time.
6. Additional 20 mins time will be given for scanning and uploading the single PDF file.
7. Student will be marked as ABSENT if failed to upload the PDF answer script due to any reason.

M.Sc. BOTANY
THIRD SEMESTER
PLANT RESOURCES UTILIZATION & CONSERVATION
MSB - 306B MDC

Duration : 3 hrs.

Full Marks : 70

(**PART-A: Objective**)

Time : 20 min.

Marks : 20

Choose the correct answer from the following:

1X20=20

1. The most widely cultivated grain in the world is
 - a. Wheat
 - b. corn
 - c. rice
 - d. hay
2. Which of the following foods is a modified stem
 - a. Cassava
 - b. Sweet potato
 - c. Carrot
 - d. Onion
3. Botanical fibres used for making cloth and paper are found mainly in the
 - a. Vascular tissue
 - b. seeds
 - c. fruit
 - d. cortex
4. Malaria has killed more people than our wars put together, one cure produced from the bark of the Cinchona tree is called
 - a. Morphine
 - b. Belladonna
 - c. Codeine
 - d. Quinine
5. Heartwood is also known as
 - a. Duramen
 - b. Sapwood
 - c. Non porous wood
 - d. Porous wood
6. Pine, the famous timber yielding plant of India belongs to the plant group
 - a. Angiosperm
 - b. Bryophyta
 - c. Gymnosperm
 - d. Monocot
7. Origin of Wheat
 - a. South East Asia
 - b. South west Asia
 - c. America
 - d. India
8. The inflorescence in lentil is
 - a. Raceme
 - b. Spikelet
 - c. Panicle
 - d. Head
9. Tubers appear green in color due to
 - a. Carotin
 - b. Green Paint
 - c. Anthocyanin
 - d. Nothing such

10. Scientific name of Wheat
- a. *Triticum dicocum*
 - b. *Triticum aestivum*
 - c. *Zea mays*
 - d. *Oryza sativa*
11. The fibres which are obtained by blending natural and synthetic fibres are called
- a. Joint fibres
 - b. Mixed fibres
 - c. Real Fibres
 - d. Artificial fibres
12. The variety of organisms living on the earth is referred as
- a. Biodiversity
 - b. Foodweb
 - c. Foodchain
 - d. None of the above
13. Which of the following activities are prohibited in national parks, Sanctuaries and Biosphere
- a. Poaching
 - b. Cutting of trees
 - c. Hunting
 - d. All of the above
14. Protogyny condition is found in
- a. Potato
 - b. Onion
 - c. Cucumber
 - d. Lentil
15. Bitterness of Brinjal is due
- a. Solanine
 - b. Momordacine
 - c. Solasodine
 - d. None of the above
16. *Solanum tuberosum* is a
- a. Haploid
 - b. Diploid
 - c. Tetraploid
 - d. None of these
17. Cultivated species of sugarcane is
- a. *S. spontaneum*
 - b. *S. robustum*
 - c. *S. officinarum*
 - d. *S. obotunam*
18. An example of ex situ conservation
- a. Sacred groves
 - b. Wildlife sanctuary
 - c. Seed bank
 - d. National Park
19. An ecological state of a species being unique to a specific geographic location
- a. Exotic species
 - b. Endemic species
 - c. Ecosystem
 - d. None of the above
20. All are insitu conservation, except
- a. National park
 - b. Zoo
 - c. Sanctuaries
 - d. Biosphere Reserves

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(PART-B : Descriptive)

Time : 2 hrs. 40 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. In what way conservation is important to save biodiversity. 10
2. Write short notes on - 5+5=10
 - a. Wildlife Sanctuaries or National Parks.
 - b. Wetlands.
3. a. What do you understand by exsitu and insitu conservation. 5+5=10
b. Write the activities of BSI and CSIR.
4. Write a note on application of genetic engineering in modern times. 10
5. Write a brief note on geographical distribution of five important medicinal plants of India. 10
6. Write on cultivation and uses of any two fibre yielding plants in India. 10
7. Write short note on- 5+5=10
 - a. Bioremediation and Phytoremediation.
 - b. Protected areas
8. What is mutation and write its application in crop improvement. 2+8=10

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