



## XI M.Sc. (Wildlife Science) National Entrance Test

8<sup>th</sup> April, 2007

Time : 2 Hours

Max Marks : 100

1. This paper consists of the following four sections. Candidates should answer all the sections:

Section	Subject	Max. Marks	Time Allotted
I	General Knowledge	10	2 Hours
II	General Science	20	
III	Optional Paper (Life Science/Forestry/ Agricultural Sciences/ Veterinary Science)	30	
IV	Essays	40	

2. Sections I, II, & IV are common for all candidates. In the Optional Paper (Section III), candidates are required to answer questions on any one of the subject opted by them. The subjects are: Life Sciences, Forestry, Agricultural Science and Veterinary Science.
3. Candidates should first answer the objective type questions (Section I, II & III) on the question paper itself and return it to the Invigilator. All questions in section I, II, & III carry equal marks. In Section IV candidates are required to attempt any 2 essays carrying equal marks. Two separate answer books will be provided for essays (Section IV).
4. For the multiple choice objective type questions (Section I, II & III), write the alphabets in capital representing the correct answer in the blank bracket provide on the right hand side. No marks will be awarded for more than one answer and overwriting. Candidates can change answer by simple cutting.
5. Write your Name and Roll Number where indicated.
6. Maintain strict silence during the examination.

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Section III: Optional Subject – Forestry

Max. Marks: 30

1. Name the country with highest forest cover (%)  
A USA  
B Indonesia  
C Japan  
D India [ ]
  
2. At the time of Independence, the forest cover of India was-  
A 90%  
B 70%  
C 30%  
D 10% [ ]
  
3. Total increment of growing stock of Indian forests is  
A 74.42 cubic meter per hectare  
B 4,740 million cubic meter  
C 87.62 million cubic meter  
D None of the above [ ]
  
4. Southern Montane Wet Temperate (*Shola*) forests are present in  
A Western Himalayas  
B Nilgiri and Palni hills  
C Siwalik Hills  
D Khasi Hills [ ]
  
5. \_\_\_\_\_ is a critical endangered tree species in the Western Ghats of India  
A *Tetrameles nudiflora*  
B *Artocarpus hirsutus*  
C *Dipterocarpus bourdilloni*  
D *Azadirachta indica* [ ]

6. Gregarious flowering means; flowering \_\_\_\_\_
- A within one or a few years, and over considerable areas, of all or most of the individuals of a certain species that don't flower annually
  - B within one or a few years, and over considerable areas, of all or most of the species that don't flower annually
  - C of one or a few culms in a clump or a few clumps in a locality
  - D every year [ ]
7. Agar wood tree is
- A *Pterocarpus Santalinus*
  - B *Aquilaria malaccensis*
  - C *Agnus nepalensis*
  - D *Pinus gerardiana* [ ]
8. \_\_\_\_\_ is the principal resin producing pine of India
- A Malabar white pine (*Vateria Indica*)
  - B Chilgosa pine (*Pinus Geradiana*)
  - C Chir pine (*Pinus roxburghii*)
  - D Kail or blue pine (*Pinus wallichiana*) [ ]
9. \_\_\_\_\_ is an example of monopodial (single-stemmed) bamboo
- A *Phyllostachys pubescene*
  - B *Dendrocalamus strictus*
  - C *Bambusa bambos*
  - D *B. textilis* [ ]
10. Which of the following species does not fix atmospheric N<sub>2</sub>
- A *Acacia mangium*
  - B *Casuarina equisetifolia*
  - C *Agnus nepalensis*
  - D *Cassia siamea* [ ]
11. One of the following species usually does not produce coppice growth
- A *Tectona grandis*
  - B *Shorea robusta*
  - C *Pterocarpus marsupium*
  - D *Cedrus deodara* [ ]
12. An example of light demander is
- A *Pinus roxburghii*
  - B *Xylia xylocarpa*
  - C *Toona ciliata*
  - D *Abies pindrow* [ ]

13. What is Hartig net?
- A Growth pattern influenced by climate
  - B Physiological disorder
  - C Interface formed by micorrhizal hyphae inside plant root
  - D Associated with spike disease of Sandal
- [ ]
14. Silvicultural systems in which clear felling are done in the form of strips which progress successively in one direction is known as
- A Alternate strip system
  - B Clear strip system
  - C Shelterwood strip system
  - D Clear-felling with standards
- [ ]
15. Deodar forests of Uttar Pradesh and Himachal Pradesh are generally worked under
- A Clear strip system
  - B Indian Irregular Shelterwood system
  - C Coppice system
  - D Selection system
- [ ]
16. \_\_\_\_\_ is an example of an eco-friendly wood preservative
- A Metal ammonium phosphates
  - B Alkyl ammonium compounds
  - C Copper chrome arsenate
  - D Sodium pentachlorophenoxide
- [ ]
17. Kyoto protocol came into force on
- A 1 December 1997
  - B 27 June 1992
  - C 16 February 2005
  - D None of the above
- [ ]
18. Cold deserts are not found in
- A Lahul and Spiti
  - B Kinnaur
  - C Ladakh
  - D Jaisalmer
- [ ]

- 19 Center for International Forestry Research (CIFOR) is in
- A Nairobi, Kenya
  - B Vienna, Austria
  - C Bogor, Indonesia
  - D Ibadan, Nigeria
- [ ]
20. 'Wattles' are native to:
- A India
  - B Australia
  - C Austria
  - D Greece
- [ ]
- 21 *Lagerstroemia lanceolata* is found widely distributed in:
- A Eastern and Western coastal areas
  - B Khasi hills of Assam
  - C Western Himalaya
  - D Bhabhar areas of Kumaun
- [ ]
22. In Kashmir valley most pollarded species is:
- A Salix
  - B Deodar
  - C Betula
  - D All of the above
- [ ]
- 23 How many essential elements are needed by plants?
- A 5
  - B 9
  - C 16
  - D 20
- [ ]
24. Which one of the following species cultivated for lac?
- A *Ips longifolia*
  - B *Tonica niviferana*
  - C *Laccifier lacca*
  - D *Aprina cinerea*
- [ ]
25. Best species for afforestation of tanks and reservoirs
- A *Acacia catechu*
  - B *Acacia nilotica*
  - C *Cassia siamea*
  - D All of the above
- [ ]

## Forestry

- 26 Tree species best suitable for windbreaks in arid region is.
- A *Shorea robusta*
  - B *Acacia nilotica*
  - C *Bombax ceiba*
  - D *Terminalia arjuna*
- [ ]
- 27 Who started Van Mahotsav, a festival of planting trees?
- A Jack Westoby
  - B K.M. Munshi
  - C A.N. Chaturvedi
  - D K.M. Seth
- [ ]
- 28 Stump planting means:
- A Shoot cutting
  - B Grafted seeding
  - C Root cutting
  - D Seedlings with drastic pruning of both roots and shoots
- [ ]
- 29 Root manipulation in seed bed means:
- A Undercutting
  - B Wrenching
  - C Root pruning
  - D All of the above
- [ ]
- 30 The term Acicular is related to:
- A Leaf shape
  - B Inflorescence
  - C Leaf margin
  - D Flower shape
- [ ]

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