

11. *Illicium griffithii* is a medicinal plant found in the forests of:
 - a. Northeast India
 - b. Western Ghats
 - c. Nilgiri hills
 - d. Jammu & Kashmir
12. Which country is a major consumer of seaweed products?
 - a. India
 - b. USA
 - c. Japan
 - d. Australia
13. Which of the following is NOT a root vegetable?
 - a. Sugar beets
 - b. Carrot
 - c. Bamboo shoots
 - d. Cassava
14. Which of these industries could benefit most from untapped plant resources?
 - a. Pharmaceutical research
 - b. Software development
 - c. Automotive engineering
 - d. Textile manufacturing
15. Longest cells in the plant kingdom belong to:
 - a. Vessel
 - b. Tracheid
 - c. Fibers of Ramie
 - d. Cotton fiber
16. Which of the following plants is commonly used to make essential oils?
 - a. Lavender
 - b. Potato
 - c. Tomato
 - d. Cactus
17. Which environmental benefit is associated with using bioenergy compared to fossil fuels?
 - a. Increased greenhouse gas emissions
 - b. Higher air pollution
 - c. Reduced carbon dioxide emissions
 - d. Depletion of natural resources
18. Which region is known for its rich biodiversity of untapped plant species?
 - a. Arctic tundra
 - b. Amazon rainforest
 - c. Sahara Desert
 - d. Australian Outback
19. Which of the following is not a type of seaweed?
 - a. Kelp
 - b. Nori
 - c. Dulse
 - d. Clam
20. Which type of seaweed is commonly known as kelp and forms large underwater forests?
 - a. Green seaweed
 - b. Red seaweed
 - c. Brown seaweed
 - d. Blue-green seaweed

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(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

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

1. Write short notes on: 5+5=10
 - a) Aloe vera
 - b) Basil
2. Write in detail about different herbal preparations methods of extraction. 10

Or

Define Resin. Describe briefly about different types of resin. 2+8=10
3. Write a brief note on timber yielding plants citing two examples and their uses. 6+4=10
4. Name the scientific name, family and part used of Henna or Amla plant. Write its medicinal uses. 6+4=10
5. What are foodplants? Write origin, botany and uses of Potato. 2+2+3+3=10
6. Discuss the following: 5+5=10
 - a) Advantages and disadvantages of Bioenergy
 - b) Uses of cotton
7. What is bioprospecting, and how does it relate to the exploration of biodiversity for potential commercial applications? 2+8=10
8. What will be the future role of seaweeds in addressing global challenges related to food security, public health, and sustainable agriculture? 10

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