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SYBSC Botany Paper III ~~SOP~~ Answer Key

Q 1. A. MCQ

	Marks
a. i) <i>Centella asiatica</i>	1
b. iii) Indian Pharmacopoeia	1
c. ii) Monograph	1
d. i) licorice	1
e. iii) Jute	1
f. i) Style and stigma of <i>Crocus</i>	1
g. ii) Agroforestry	1
h. i) jojoba	1
i. i) bean	1
j. i) papaya	1

Q 1. B. Answer the following in a sentence or two.

a. Primary metabolites- <ul style="list-style-type: none"> • Definition • Examples (Name of any 2 primary metabolite) 	2
b. Forestry- Definition	2
c. Condiments- <ul style="list-style-type: none"> • Definition • Examples (Any 2) 	2
d. Aromatherapy- Definition	2
e. Cellulases- <ul style="list-style-type: none"> • Definition/ Function • Sources (at least one) 	2

Q. 2. Answer any two of the following

A. Indian Herbal Pharmacopoeia- <ul style="list-style-type: none"> • Definition • It's Content/ format- 	1
Indian Ayurvedic Pharmacopoeia- <ul style="list-style-type: none"> • Definition • It's Content/ format- 	4
B. Secondary metabolites- Definition and types	1
<i>Saraca asaca</i> - <ul style="list-style-type: none"> • Biological source • Properties • Uses 	4
C. Definition of Adulterants	2
Different material used for adulteration of herbal drugs	6
Examples	2
D. Regional and seasonal variation in secondary metabolites <ul style="list-style-type: none"> • Geographical distribution • Location of collection, Soil Properties • Seasonal distribution 	10

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Q. 3. Answer any two of the following

- A. Cotton-
- Botanical name
 - Biological source- Lint and Fuzz
 - Processing-
 - > Ginning
 - > Bailing
 - > Picking
 - > Carding

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- B. Cardamom-
- Botanical name
 - Biological source
 - Morphology of fruit
 - Diagrams

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- C. Organic farming
- Definition

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- D. Salient features
Advantages & Disadvantages
Types of forests
Moist Tropical Forests

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8
4
6

Q. 4. Answer any two of the following

- A. Chemical constituents & Uses of
Jasmine
Lemon oil

5
5

- B. Biofuel
- Definition
 - Types of Biofuels

2
8

- C. Kale
- Botanical Source
 - Nutritive value
 - Uses

2
4

- D. Bromelain-
- Definition with biological source
 - Properties
 - Uses

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Q. 5. Write short notes on any FOUR of the following.

- A. Significance of Pharmacopoeia
- B. Substitute and Adulterant- Definition and examples
- C. Aims of urban forestry.
- D. Subtropical montane forests.- Distribution and Plants
- E. Jojoba oil
- F. Vanillin

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