

SEAT No. _____

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SARDAR PATEL UNIVERSITY

T.Y.B.Sc. Examination (VI SEMESTER)

Botany-US06CBOT02

Date-28/3/2018,

Marks-70

Wednesday,

Time-10am to 1pm

(Diversity & Systematics of Angiosperms and Ethnobotany)

Q-1 Multiple choice questions.

(10)

(1) Index kewensis is published from:

(a) England (b) Russia (c) India (d) US

(2) Which one of the following is usually a binomial?

(a) Species (b) Genus (c) Family (d) none of these

(3) Study of the evolutionary tendencies of an organism is called as _____.

(a) phylogeny (b) taxonomy (c) both (d) none of these

(4) Synandry in *Coccinia indica* resulted due to:

(a) Elaboration (b) Connation (c) Remoration (d) Reduction of organs

(5) Which one of the following name fully adhere the rules of ICBN?

(a) *Victoria Rregia* (b) *Mangifera indica* (c) *cassia Fistula* (d) all of these

(6) Which one of the following may be responsible for the degradation of forest?

(a) *Viscum* (b) *Ixora* (c) *Azadirachta* (d) *Loranthus*

(7) Which one of the following grows on angiosperm trees?

(a) *Taxus* (b) *Ophioglossum* (c) *Loranthus* (d) none

(8) Botanical garden is a place for:

(a) ex-situ conservation (b) in-situ conservation (c) both (d) none of these

(9) Which of the following is regarded as the abode of Lord Vishnu?

(a) Wild Basil (b) Pudina (c) Holy Basil (d) all of these

①

(P.T.O.)

(10) Who is credited to author a text in medicine and surgery in ancient India?

(a) Charak (b) Shushrut (c) both (a) & (b) (d) Prashar

Q-2 Attempt any ten questions from following.

(20)

(i) Define-Plant systematic.

(ii) What is author citation?

(iii) Define: Herbarium.

(iv) How can computers help in plant identification?

(v) Write any five characters of a primitive angiosperm.

(vi) What are the major components of biodiversity?

(vii) What is an in-situ conservation?

(viii) Define- National park.

(ix) Define: Flora.

(x) Pinpoint the role of ethnobotany in health care programme.

(xi) Explain: Ethnobotany.

(xii) Why the name of a species is underlined while writing?

Q-3 Write notes on: Rules of Nomenclature, Rank and Names.

(10)

OR

Q-3(a) What is the aim of systematic?

(05)

(b) Write about importance of herbarium.

(05)

Q-4 Explain the following in brief: (a) Fusion in the process of evolution.

(05)

OR

Q-4 Give the outline classification of angiosperms proposed by Bentham & Hooker.

(10)

Q-5 Describe the importance of national parks giving examples. OR

(10)

Q-5 Define: conservation and explain in-situ conservation.

(10)

Q-6 How can ethnobotany help India in improving human health care? OR

(10)

Q-6 Ethnobotany is an interdisciplinary science--Discuss.

(10)