

**JYOTI NIVAS COLLEGE AUTONOMOUS
SYLLABUS FOR 2018 BATCH AND THEREAFTER**

Programme: B.A. / B.Sc. / B.C.A. / B.Sc. / B.B.A. / B.Com. / B.Com. (BL) / B.Com. (TM) /

Int. B.Sc.-M.Sc./Int.B.Com.-M.Com.

Semester: V / VI

CULTURAL HERITAGE OF INDIA

Course Code: CH

No. of Hours: 30

COURSE OBJECTIVES

To understand the diverse nature of India's Cultural heritage
To appreciate the uniqueness of India's culture
To expose the students to the India's rich cultural heritage.

UNIT- I: INTRODUCTION

08 HRS

Definition of Cultural Heritage of India- Characteristics of India's Cultural Heritage- Unity in Diversity: Geographical, Religious, Cultural Diversities.

UNIT – II: EDUCATION SYSTEM

08 HRS

Gurukula system,-Agraharas- Mutts,-Madarasas-Universities- Linguistic traditions.

UNIT – III: INDIAN ART AND ARCHITECTURE

14 HRS

A) Major schools of Indian Music-Dance forms of India: Classical and Folk- Festivals.
B) Styles of Architecture- Monuments and Museums-Sculpture- Painting

REFERENCES

1. Basham A.L. (2000). The wonder that was India. Delhi: Rupa &Co.
2. Burton stein. (1998). A History of India. Oxford University Press
3. Gore, M.S. (2002). Unity in Diversity: The Indian Experience in Nation-Building, Rawat Publications
4. Jaya Palan N. Social and Cultural History of India
5. Kosambi.D.D. An Historical Outline of Indian Culture and History: Vikas Publishing House
6. Lunia B.N. (1955). Evolution of Indian Culture
7. Majumdar, R.C.(ed).(1960). History and Culture of Indian People. Bombay: Bharath Vidya Bhavan
8. Pandey, Govind Chandra. (1984). Foundations of Indian Culture. New Delhi: 1984
9. Ray Choudhary.S.C. Social Cultural and Economic History of India. (Earliest Times and Present Times)
10. Romila Thapar (2010). Ancient Indian Social History: Orient Black Swan
11. Srivastava. A.L.(1964). The History of India (1000 A.D-1707 A.D), Agra: Narain Agarwal Publishers
12. Stephen Fuchs, The Origin of Man and His Culture

**JYOTI NIVAS COLLEGE AUTONOMOUS
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Programme: B.Sc.

Semester: VI

CBCS: ORNAMENTAL FISH CULTURE

Course Code: OF

No. of Hours: 30

COURSE OBJECTIVES:

- Emphasis on development of entrepreneurial skills amongst the students.
- To inculcate the importance of ornamental fish culturing in relation with entrepreneurship development
- To give students knowledge about ornamental fish breeding, rearing and marketing.
- To encourage and promote the science of keeping an aquarium

UNIT I

3 HOURS

1. Basics of aquaculture- Definition and Scope. History o/aquaculture: Present global and national scenario.
2. World trade of Ornamental fish and export potential.
3. Different varieties of exotic and indigenous fishes.

UNIT II

6 HOURS

1. Introduction to Ornamental fishes:
2. Ornamental fishes of the world —A brief introduction 1 HOUR
3. Indigenous Indian ornamental Fishes 1 HOUR
4. Breeding of ornamental fish with reference to live bearer species.
5. Breeding of Guppies, Mollies; Sword-tail fish and Platy fish 3 HOURS
6. Hatchery management system and Nursery management of live bearers
7. Rearing or live bearers 1 HOUR

UNIT III

4 HOURS

1. Fish Breeding and rearing in Egg layers
2. Breeding of ornamental fish with reference to selected egg layer species.
3. Breeding of Angel fish, Zebra fish and Neon tetras.
4. Hatchery management system and Nursery management of Egg layers Rearing of egg layers

UNITS IV**3 HOURS**

1. Special emphasis On Breeding of Gold fish and Bettasplendens 2 hours
2. Ornamental Fish -Diseases and their management hour

UNIT V**4 HOURS**

1. Setting up and maintenance of an Aquarium.
2. Introduction to some selected Aquarium plants and its propagation techniques
3. Management of ornamental aquatic plants and its trading.
4. Benefits of an Aquarium

PRACTICALS**EACH UNIT 2 HOURS****10 HOURS**

1. Setting and Maintenance of an Aquarium **2 UNITS**
2. Identification of Live bearers **1 UNIT**
3. Identification of Egg layers **1 UNIT**
4. Fish feed — different forms **1 UNIT**

SUGGESTED FIELD VISITS

- a. Field visits are to be organized to facilitate students to have first- hand experience and exposure to functioning of an unit or a relevant activity.
- b. Visit to an Aquarium.

Guest lecturers can also be organized

REFERENCES:

1. Hand Book of Fresh Water Fishes of India By Beaven C.R. — NarendraPub. House.
2. Fish Biology By C.B.C. Srivastava — Narendra Pub. House
3. Ornamental Fish Culture and Aquarium Management Hardcover —2009 A D Kholakia
4. Goldfish Breeds and Other Aquarium Fishes, Their Care and Propagation: A Guide to Freshwater and Marine Aquaria, Their Fauna, Flora and Management Herman Theodore Wolf(Author)
5. The Complete Book of the Freshwater Aquarium: A Comprehensive Reference Guide to More Than 600 Freshwater Fish and Plants Vincent Hargreaves

JYOTI NIVAS COLLEGE AUTONOMOUS
SYLLABUS FOR 2020 BATCH AND THEREAFTER

Basic German

Course Code: BG

No. of Hours: 30

Text - book : Schritte International Niveau A1/1

Foth Penhtel Publication : Hueber

Unit I

- Begrüßung, Verabschiedung, sich und andere vorstellen
- Herkunftsland erfragen und nennen, Sprachen benennen
- Alphabet, Visitenkarten
- Tage der Woche, Die Monate
- Entsprechende Grammatik

Unit II

- Familienmitglieder und Freunde vorstellen
- Wohnort nennen
- Zahlen.
- Ein Formular ausfüllen
- Entsprechende Grammatik

Unit III

- Das Vokabular
- Preise, Gewichte und Maßeinheiten
- Eine Wohnung/ beschreiben/Möbel / Gegenstände benennen
- Uhrzeit, Tageszeit, Jahreszeit benennen,
- Entsprechende Grammatik