



**SOPHIA COLLEGE FOR WOMEN
(EMPOWERED AUTONOMOUS)**

Affiliated to

UNIVERSITY OF MUMBAI

Syllabi for the Common Courses

Based on the National Education Policy 2020

Open Electives

Course Code: OE

S.Y.B.A. & S.Y.B.Sc.

2024-25 (NEP)

**Programme Outline : Open Elective
SYBA & SYBSc (SEMESTER I)**

Course Code	Name of the Course	Credits
OE301	Media and Democracy	2
OE302	Local Self Government in India	2
OE303	United Nations and Specialized Agencies	2
OE304	Into the world of Cheese	2
OE305	Entrepreneurship in Mushroom cultivation and Wine Production	2
OE306	Insights into Animal Behaviour	2

**Programme Outline : Open Elective
SYBA & SYBSc (SEMESTER II)**

Course Code	Name of the Course	Credits
OE401	Media and Democracy	2
OE402	Local Self Government in India	2
OE403	United Nations and Specialized Agencies	2
OE404	Into the world of Cheese	2
OE405	Entrepreneurship in Mushroom cultivation and Wine Production	2
OE406	Insights into Animal Behaviour	2

ASSESSMENT DETAILS:

Continuous Assessment (50 marks)

1. A minimum of two activities will be given in each semester.
2. Each will be for 20 marks.
3. The nature of the activities will be decided by the Examiner and may include Assignment/ MCQs/ Short notes and/or any other type of /combination of objective or descriptive type activity.
4. 10 marks will be given for Class participation.

NAME OF THE COURSE	MEDIA AND DEMOCRACY
CLASS	SYBA & SYBSc
COURSE CODE	OE301 and OE401
NUMBER OF CREDITS	2
NUMBER OF LECTURES PER WEEK	2
TOTAL NUMBER OF LECTURES PER SEMESTER	30
EVALUATION METHOD	CONTINUOUS ASSESSMENT
TOTAL MARKS	50
PASSING MARKS	20

COURSE OBJECTIVES

CO 1.	To examine the role of the media in shaping public opinion on political issues.
CO 2.	To evaluate how the media influences the political process, including the behaviour of political actors, the policy-making process, and the outcome of elections.

COURSE LEARNING OUTCOMES:

CLO 1.	In –depth knowledge and understanding of the issues related to media and politics.
CLO 2.	It will provide necessary expertise to enable learners to function as trainers and Community organizers in addressing these issues.

UNIT 1	Mass Media: Impact and Role
1.1	Electronic and Print Media
1.2	Social and Digital Media
1.3	Cinema

UNIT 2	Media and the government: Issues and Problems
2.1	Freedom of Media, Ownership of Media
2.2	Judicial Interpretation; legislation
2.3	Women in Media

REFERENCES:

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- Bidisha Chaudhuri (2016) "Media and Politics in India".
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- Chandra, K. (2017). Indian Democracy: The Role of Media. *Journal of Asian and African Studies*, 52(4), 476-492.
- Chari, M. (2017). *Indian Media and the Politics of Change*. Cambridge University Press.
- Devadas, V. (2017). Media and politics in India: An overview. *International Journal of Research and Analytical Reviews*, 4(4), 268-273.
- Gamal M. Selim (2006) "Media and Political Conflict: News from the Middle East".
- Golan, G. J., & Yang, S. (2016). Mass media and political agenda setting in India: A longitudinal analysis, 1999–2009. *Asian Journal of Communication*, 26(1), 68-84.
- Gopal, S., & Gupta, S. (2016). *Media, Democracy and Politics in India*. Routledge.
- Goyal, S., & Gupta, S. (2017). Role of Social Media in Indian Politics. *International Journal of Research and Analytical Reviews*, 4(4), 89-91.
- Gupta, A. (2019). Impact of media on Indian politics. *International Journal of Humanities, Arts, Medicine and Sciences*, 7(1), 19-24.
- Gupta, D. (2018). The impact of media on Indian politics. *International Journal of Humanities and Social Science Research*, 8(2), 49-55.
- Kaur, R., & Sandhu, J. S. (2019). Media and Indian Politics. *International Journal of Research and Analytical Reviews*, 6(4), 1293-1298.
- Kulkarni, S. (2015). The role of media in Indian democracy. *International Journal of Advanced Research in Management and Social Sciences*, 4(1), 41-46.
- Kumar, S., & Kumar, A. (2018). Role of Social Media in Indian Politics. *International Journal of Research in Engineering, IT and Social Sciences*, 8(10), 43-50.
- Kumar, S., & Kumar, A. (2018). Role of Social Media in Indian Politics. *International Journal of Research in Engineering, IT and Social Sciences*, 8(10), 43-50.
- Kumar, V. (2014). Media and Indian democracy: An analysis. *Journal of Media and Communication Studies*, 6(1), 1-9.
- Pandey, A. (2018). *Political Communication in India: From National Integration to Contested Identities*. Routledge.
- Paranjyot Guha Thakurta and Shankar Raghuraman (2008) "The Media and Political Process in India".
- Prasad, S. (2013). Media and politics in India. *Journal of Indian Research*, 1(4), 7-14.
- Rai, M. (2019). Media and Indian Politics: An Overview. *International Journal of Current Research*, 11(10), 9368-9371. www.ijcrt.org © 2023 IJCRT | Volume 11, Issue 8 August 2023 | ISSN: 2320-2882 IJCRT2308002 International Journal of Creative Research Thoughts (IJCRT) www.ijcrt.org a20

- Sanjay Kumar and Praveen Rai (2005). "Television and Political Advertising in India: A Study of the 2004 General Elections"
- Shakuntala Rao (2012). "Media and Politics in Post-Independence India"
- Shanto Iyengar and Gaurav Sood (2014). Media and Politics in India: The Impact of Television News"
- Sharma, A. (2011). Role of media in Indian politics. *International Journal of Business and Management Tomorrow*, 1(1), 1-5.
- Sharma, R. (2015). Impact of media on Indian politics: A critical analysis. *International Journal of Scientific Research and Management*, 3(3), 2435- 2440.
- Singh, K. (2017). Impact of social media on Indian politics. *International Journal of Research and Analytical Reviews*, 4(3), 143-148.
- Singh, M. (2016). Role of media in Indian democracy. *International Journal of Engineering Technology Science and Research*, 3(5), 309-316.
- Singh, R. (2012). The media and political process in India. *Journal of Asian and African Studies*, 47(3), 257-271.
- Singh, R. P. (2014). Media, politics and democracy in India. *International Journal of Scientific Research*, 3(4), 244-246.
- Singh, V. (2017). Influence of Media on Indian Politics. *International Journal of Humanities and Social Science Research*, 6(3), 50-55.
- Srivastava, R., & Singh, A. (2019). Impact of Social Media on Indian Politics: An Overview. *Journal of Critical Reviews*, 6(5), 267-269.
- Suri, S. (2018). Media's Influence on Indian Politics. *Journal of Political Science and Public Affairs*, 6(1), 316.
- Vijay Laxmi Pandit and Vibert C. Cambridge (2009) "Media and Political Process in India".
- Yadav, K. (2018). Role of media in Indian politics. *International Journal of Research in Economics and Social Sciences*, 8(7), 120-127.
- Yadav, Y. (2019). Media and Politics in India: Issues and Trends. *South Asian Journal of Political Science*, 1(1), 59-77.

NAME OF THE COURSE	LOCAL SELF GOVERNMENT IN INDIA
CLASS	SYBA & SYBSc
COURSE CODE	OE302 and OE402
NUMBER OF CREDITS	2
NUMBER OF LECTURES PER WEEK	2
TOTAL NUMBER OF LECTURES PER SEMESTER	30
EVALUATION METHOD	CONTINUOUS ASSESSMENT
TOTAL MARKS	50
PASSING MARKS	20

COURSE OBJECTIVES

CO 1.	Learners will develop the ability to critically analyze the dynamics of local self-government and the role of decentralization in addressing the diverse needs of rural and urban populations.
CO 2.	Learners will be able to evaluate the effectiveness of constitutional amendments, such as the 73rd and 74th, in promoting local self-governance and examine their implications on rural and urban development.
CO 3.	By studying urban and rural local government systems, learners will acquire the skills to suggest innovative solutions to address issues like inefficiency, corruption, and underrepresentation within these systems.
CO 4.	Students will gain a comparative understanding of rural and urban local governance and appreciate the distinct challenges that each sector faces.

COURSE LEARNING OUTCOMES:

CLO 1.	Learners will be able to define political decentralization, explain its key features, and comprehend its significance in democratic governance.
CLO 2.	Learners will explore the historical development of local self-government structures in India and their gradual evolution, especially focusing on the significance of the 73rd and 74th Constitutional Amendments.
CLO 3.	Learners will understand the organizational structure of the Bombay Municipal Corporation, its administrative functions, and its role in urban governance.

UNIT 1	Introduction
1.1	Political Decentralisation: Meaning, scope, Importance
1.2	Evolution of Local Self Government; 73 rd and 74 th Amendments Acts
1.3	Rural Local Self Government
UNIT 2	Urban Local Self Government
2.1	Bombay Municipal Corporation (BMC)
2.2	Issues and Challenges in Urban Local Self Government

REFERENCES:

Political Decentralisation: Meaning, Scope, Importance

- Reference 1:
Sharma, M. (2013). *Political Theory and Practice*. New Delhi: PHI Learning Pvt. Ltd.
This book provides insights into political decentralisation and its role in democratic governance, with a special focus on India's political structure.
- Reference 2:
Pradeep, S. (2008). *Decentralisation and Local Governance*. New Delhi: Oxford University Press.
This book offers an in-depth analysis of the concept, importance, and scope of decentralisation, particularly in the context of India's governance model.

Evolution of Local Self Government: 73rd and 74th Amendment Acts

- Reference 3:
Government of India. (1992). *The Constitution (Seventy-Third and Seventy-Fourth Amendments) Acts, 1992*. New Delhi: Ministry of Law and Justice.
This is the original text of the 73rd and 74th Constitutional Amendments, which provide a clear understanding of the legal and structural changes in local governance.
- Reference 4:
Bhargava, R. (2004). *Political Theory and Political Institutions in India*. New Delhi: SAGE Publications.
This book explores the evolution of local governance, particularly focusing on the 73rd and 74th Amendments and their significance.

2. Rural Local Self Government

- Reference 5:
Mahajan, V. D. (2016). *Indian Political System*. New Delhi: S. Chand & Company.

This book includes chapters that examine rural local self-government institutions, particularly Panchayati Raj, and their functioning and challenges.

- Reference 6:
M.A.O. (2017). *Rural Development in India: The Role of Local Governance*. New Delhi: Deep and Deep Publications.
This book discusses the evolution of rural governance, especially focusing on the role and challenges of Panchayati Raj institutions.
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Unit 2: Urban Local Self Government

4. Bombay Municipal Corporation (BMC)

- Reference 7:
Bhide, M. (2010). *Bombay Municipal Corporation and its Role in Urban Governance*. Mumbai: TISS Press.
This reference covers the history, structure, and functions of the Bombay Municipal Corporation, along with its role in urban management.
- Reference 8:
Desai, M. (2009). *Urban Local Government and Governance in India*. New Delhi: Concept Publishing Company.
This text discusses urban local governance, using the BMC as an example to explore urban governance challenges.

5. Issues and Challenges in Urban Local Self Government

- Reference 9:
Kundu, A. (2007). *Challenges of Urban Local Governance*. New Delhi: SAGE Publications.
This book highlights the issues faced by urban local bodies, including inefficiency, financial constraints, and urbanization-related challenges.
- Reference 10:
Gupta, R. (2012). *Urbanization and Local Governance in India*. New Delhi: Academic Foundation.
This work provides a comprehensive analysis of the emerging challenges of urbanization and the difficulties faced by urban local bodies in India.

General References for Local Self Government

- Reference 11:
Ramesh, M. (2009). *Local Government in India: A Comparative Perspective*. New Delhi: Indian Institute of Public Administration.
A general text on the history, evolution, and current state of local governance across rural and urban sectors.
- Reference 12:
Shukla, S. (2015). *Decentralisation and Local Self-Government in India: Trends and Developments*. New Delhi: Orient Blackswan.
This book traces the trends in local governance and decentralisation in India, with a focus on rural and urban areas and the key legislative amendments.

NAME OF THE COURSE	UNITED NATIONS AND SPECIALIZED AGENCIES
CLASS	SYBA & SYBSc
COURSE CODE	OE303 & OE403
NUMBER OF CREDITS	2
NUMBER OF LECTURES PER WEEK	2
TOTAL NUMBER OF LECTURES PER SEMESTER	30
EVALUATION METHOD	CONTINUOUS ASSESSMENT
TOTAL MARKS	50
PASSING MARKS	20

COURSE OBJECTIVES

CO 1.	To familiarize the students with the concept of International Organization, its nature, scope, evolution, and significance.
CO 2.	To appreciate the significance of the work done by International Organizations.

COURSE LEARNING OUTCOMES:

CLO 1.	In-depth knowledge and understanding of International Organizations.
CLO 2.	It provides necessary expertise to enable learners to take the topic for further studies.

UNIT 1	United Nations
1.1	United Nations - Evolution and Purpose
1.2	United Nations- Principles and membership
1.3	Main Organs of United Nations
UNIT 2	United Nations and Specialized Agencies
2.1	FAO, WHO and WTO

2.2	ILO and IMF
2.3	World Bank and UNESCO

REFERENCES:

- Archer, Clive (1983), International Organisation: Key Concepts in International Relations, London, George and Unwin.
- Barros, James (ed.)(1972), The UN :Past, Present and Future, New York, The Free Press
- Madan, Sabina, Dev Praveen, Sebastian, Kranti, Rajaram Kalpana (2013) International Organisations, Conferences and Treaties, Spectrum Publications
- Roger Charles B (2020), The Origins of Informality: Why Legal foundations of Global Governance are shifting and Why it Matters, Oxford University Press.
- Draft articles on the responsibility of international organizations, with commentaries, Yearbook of the International Law Commission, 2011, Vol. II, Part Two.
- Vabulas, Felicity and Snidal, Duncan. "Organization without delegation: Informal intergovernmental organizations (IIGOs) and the spectrum of intergovernmental arrangements," The Review of International Organizations, Springer, vol. 8(2), pages 193-220, June, 2013
- Kondoch Boris, Basu Rumaki (2019), The United Nations-Structure and functions of an International Organisation, Sterling Publications.
- Gans Joshua: Economics in the Age of Covid-19, Penguin
- Ivers, Louise (2015) Food Insecurity and Public Health, CRC Press
- Masys Anthony, J., Ortiz, Ricardo Izurieta Miguel Reina (2020) Global Health Security; Springer
- Parthasarathy R, Neeru Bansal (2020), Are SDGs a Myth? Industrial Development and Water Pollution in India, Routledge Publisher.
- Sachs Jeffrey D. (2015) The Age of Sustainable Development, Columbia University Press
- Sachs Jeffrey D. (2005) The End of Poverty, Penguin Books
- The State of Food and Agriculture 2016 (SOFA) Climate change, agriculture and food security published by FAO
- Bilgrami, SJR, (1977) International Organizations, Vikas Publicaions.
- Chandra, Prakash and Arora, Prem (2015), Comparative Politics and International Relations, Cosmos Bookhive (P) Ltd.
- Fadia, Dr. Kuldeep (2021), International Organizations, Sahitya Bhawan Publications
- Ghosh, Peu, (2020), International Relations, PHI Learning Private Ltd.
- Ghai, U R (2017), International Politics: Theory and Practice, New Academic publishing Company.

NAME OF THE COURSE	INTO THE WORLD OF CHEESE
CLASS	SYBA & SYBSc
COURSE CODE	OE304 and OE404
NUMBER OF CREDITS	2
NUMBER OF LECTURES PER WEEK	2
TOTAL NUMBER OF LECTURES PER SEMESTER	30
EVALUATION METHOD	CONTINUOUS ASSESSMENT
TOTAL MARKS	50
PASSING MARKS	20

COURSE OBJECTIVES

CO 1.	Provide an understanding of the key concepts related to CHEESE.
CO 2.	Explore the cheese varieties available worldwide.
CO 3.	Outline the process of cheese making.
CO 4.	Introduce the students to the useful microorganisms and apply the knowledge for practical use.

COURSE LEARNING OUTCOMES:

CLO 1.	Define and cite examples of each variety of cheese.
CLO 2.	Describe the general steps in cheese making and factors affecting cheese quality.
CLO 3.	Differentiate among characteristics of popular varieties of cheese and cheese products.
CLO 4.	Outline the role of microorganisms in cheese making.

UNIT 1	Basics of Cheese making
1.1	Definition, History of Cheese making, Composition And Nutritional Value of Cheese.
1.2	Basic Principles and steps in cheese manufacture a. Ingredients b. Role of starter cultures and types of starter cultures c. Renneting, Cutting, Salting d. Ripening

1.3	Factors affecting cheese quality a. Fat content of milk b. Salt concentration c. Temperature d. Time Cheese defects and control measures
UNIT 2	Cheese worldwide
2.1	Types: Ripened, Unripened, Soft, Semisoft, Hard
2.2	Characteristics of popular cheese varieties a. Cottage cheese b. Cream cheese c. Cheddar cheese. d. Gouda cheese. e. Swiss cheese. f. Mozzarella cheese. g. Roquefort cheese
2.3	Processed cheese products : Spread, Slices, cubes, powder

REFERENCES:

1. Cheese Production | MilkFacts.info
2. Cheese Benefits & Nutrition Facts | U.S. Dairy
3. Cheeses from around the world - Cheese Encyclopedia – igourmet.com E book
4. Dairy Science and Technology EBook Chapter 29 -Cultured Dairy Products and Cheese
5. Technology of Cheese Manufacture –II: Soft and Hard cheeses ebooks.inflibnet.ac.in
Textbook / Review
6. Jana, A., Gokhale, A., Mallik, J. M., & Kumar, H. (2023). Textbook on cheese technology. Indian Council of Agricultural Research/Bio-Green Books.
7. Kindstedt, P. S. (2013). The basics of cheese making. Microbiology Spectrum, 1(1).
<https://doi.org/10.1128/microbiolspec.CM-0002-2012>

NAME OF THE COURSE	ENTREPRENEURSHIP IN MUSHROOM CULTIVATION AND WINE PRODUCTION
CLASS	SYBA & SYBSc
COURSE CODE	OE305 and OE405
NUMBER OF CREDITS	2
NUMBER OF LECTURES PER WEEK	2
TOTAL NUMBER OF LECTURES PER SEMESTER	30
EVALUATION METHOD	CONTINUOUS ASSESSMENT
TOTAL MARKS	50
PASSING MARKS	20

COURSE OBJECTIVES

CO 1.	Understand the importance of mushrooms in agriculture and their role in food security.
CO 2.	Identify commonly cultivated mushroom species and their nutritional benefits
CO 3.	Master substrate preparation and spawn production techniques for successful mushroom cultivation
CO 4.	Gain knowledge of indoor and outdoor mushroom cultivation methods
CO 5.	Learn proper harvesting and post-harvest handling practices to maintain mushroom quality
CO 6.	Understand the historical origins and cultural significance of fruit wine making
CO 7.	Identify the different types of fruits used in fruit wine making and their unique characteristics
CO 8.	Apply traditional methods and techniques in the fruit wine making process, including harvesting, fermentation, clarification, and aging.
CO 9.	Evaluate the sensory qualities of fruit wines and identify common wine faults
CO 10.	Develop a business plan for a fruit wine-related venture, considering market analysis, production strategies, and marketing techniques

COURSE LEARNING OUTCOMES:

CLO 1.	Analyze the economic and environmental significance of mushroom farming.
CLO 2.	Compare and contrast different mushroom species based on their nutritional value and health benefits
CLO 3.	Apply appropriate substrate preparation and spawn production methods for specific mushroom species.
CLO 4.	Implement suitable cultivation techniques for indoor and outdoor mushroom production
CLO 5.	Demonstrate effective harvesting and post-harvest handling practices to ensure mushroom quality and shelf life.
CLO 6.	Understand the history and cultural significance of fruit wine making around the world.
CLO 7.	Identify suitable fruits for wine making and apply proper harvesting and preparation techniques.
CLO 8.	Demonstrate knowledge of the fermentation and aging process, including yeast selection and temperature control
CLO 9.	Apply clarification and bottling techniques to produce high-quality fruit wines.
CLO 10.	Evaluate fruit wines using sensory analysis and identify common wine faults.

UNIT 1	Mushroom Cultivation
1.1	Entrepreneurship a. Entrepreneurship in the context of Biotechnology b. Profiling the Bioentrepreneur c. Intellectual Property Rights d. Marketing strategies e. Funding opportunities and incentives f. Government initiatives for startups g. Preparing a business idea
1.2	Introduction to Mushroom Cultivation a. Importance of mushrooms in agriculture and food security b. Economic and environmental significance of mushroom farming

1.3	<p>Mushroom Species and Nutritional Benefits</p> <ul style="list-style-type: none"> a. Commonly cultivated mushroom species b. Nutritional value and health benefits of mushrooms
1.4	<p>Substrate Preparation and Spawn Production</p> <ul style="list-style-type: none"> a. Selection of suitable substrates for mushroom cultivation b. Techniques for preparing substrates c. Methods of spawn production and inoculation
1.5	<p>Cultivation Methods</p> <ul style="list-style-type: none"> a. Indoor cultivation techniques (e.g., bags, trays, shelves) b. Outdoor cultivation methods (e.g., beds, logs, compost piles)
1.6	<p>Mushroom Harvesting and Post-Harvest Handling</p> <ul style="list-style-type: none"> a. Determining readiness for harvest b. Techniques for harvesting mushrooms c. Post-harvest handling and storage practices
UNIT 2	Fruit Wine Production: From Tradition to Entrepreneurship
2.1	<p>History and Culture of Fruit Wine Making</p> <ul style="list-style-type: none"> a. Origins of fruit wine making b. Fruit wine making traditions around the world c. Cultural significance of fruit wines
2.2	<p>Fruit Selection and Preparation</p> <ul style="list-style-type: none"> a. Types of fruits suitable for wine making b. Harvesting and preparing fruit c. Crushing and destemming
2.3	<p>Fermentation and Aging</p> <ul style="list-style-type: none"> a. The fermentation process b. Yeast selection and management c. Temperature control d. Aging techniques, including oak aging
2.4	<p>Clarification and Bottling</p> <ul style="list-style-type: none"> a. Clarifying fruit wine b. Filtration and stabilization techniques c. Bottling and labeling
2.5	<p>Sensory Evaluation and Common Wine Faults</p> <ul style="list-style-type: none"> a. Sensory evaluation of fruit wines b. Identifying common wine faults c. Troubleshooting techniques
2.6	<p>Entrepreneurship in Fruit Wine Making</p> <ul style="list-style-type: none"> a. Market analysis and target audience identification

	b. Production strategies and capacity planning c. Marketing and sales techniques d. Legal and regulatory considerations
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REFERENCES:

1. Bioentrepreneur development - A Resource book. (2018). Compiled by: Ms. Shreya Sanghvi Malik and Dr. Shiv Kant Shukla, Biotech Consortium India Limited, New Delhi.
2. Kashangura, C., & Kutsaga Research Station. (2003). Mushroom Cultivation Book (Preprint version).
3. ICAR-ATARI Zone IX. Training on Cultivation of Tropical Mushrooms.
4. Matei, F. (2017). Chapter 14 - Technical Guide for Fruit Wine Production. In M. R. Kosseva, V. K. Joshi, & P. S. Panesar (Eds.), Science and Technology of Fruit Wine Production (pp. 663-703). Academic Press. <https://doi.org/10.1016/B978-0-12-800850-8.00014-4>

NAME OF THE COURSE	INSIGHTS INTO ANIMAL BEHAVIOUR
CLASS	SYBA & SYBSc
COURSE CODE	OE306 and OE406
NUMBER OF CREDITS	2
NUMBER OF LECTURES PER WEEK	2
TOTAL NUMBER OF LECTURES PER SEMESTER	30
EVALUATION METHOD	CONTINUOUS ASSESSMENT
TOTAL MARKS	50
PASSING MARKS	20

COURSE OBJECTIVES

CO 1.	To gain knowledge about the learned behaviour and its types
CO 2.	To gain knowledge about the innate and social behaviour and its types

COURSE LEARNING OUTCOMES:

CLO 1.	Analyze and evaluate different types of learned behaviour with examples
CLO 2.	Analyze and evaluate different types of innate and social behaviour with examples

UNIT 1	Learned Behaviour
1.1	Definition, History and Scope of Animal Behaviour
1.2	Types of Animal behaviour - Innate and Learned behaviour
1.3	Learned Behaviour: 1.3.1 - Habituation 1.3.2 - Sensitization 1.3.3 - Imprinting 1.3.4 - Classical Conditioning 1.3.5 - Operant conditioning 1.3.6 - Insight learning
UNIT 2	Innate and Social Behaviour

2.1	2.1.1: Introduction to innate behaviour 2.1.2: Types of innate behaviour a) Fixed Action pattern b) Reflexes c) Taxis d) Instincts
2.2	Introduction to social behaviour in animals: 2.2.1- Aggression 2.2.2 - Schooling in fishes 2.2.3 - Flocking in birds 2.2.4 - Herding in mammals 2.2.5.- Social organization in Insects and Primates

REFERENCES:

1. Arora M. (2019). *Animal Behaviour*. (8th ed.). Himalaya Publications.
2. Eibl-Eibesfeldt, I. (1970). *The biology of Behaviour. Ethology*. Holt, Rineheart & Winston Publication, New York.
3. Manning A. and Dawkins M.S. (2012). *An introduction to Animal Behaviour* (6th ed.). Cambridge University Press.
4. McFarland D. (1999). *Animal Behaviour Psychobiology, Ethology and Evolution*. (3rd ed.). Longman Publication.
5. Vessey S., Jacob E., Vessey S. H. and Drickamer L. C. (2002). *Animal Behaviour: Mechanisms, Ecology and Evolution*. (5th ed.). McGraw-Hill.