

Sardar Patel University
MA (Journalism and Mass Communication)
(Autonomous)
Semester-II (Syllabus)
(With Effect from June : 2020)
Under Choice Based Credit System

PA02JMCC26: Indian Government and Politics

Credits: 2; Weighting: 100 marks; Continuous Evaluation: 50; Semester Examination: 50

Learning Outcomes

The learners are expected to

- a acquaint students with understanding of the making of Indian Constitution and the structure of the government.
- b attain a fuller understanding of the federal system of governance in India.

Course Content

Unit-1: Indian Constitution and Directive Principles (1 Credit)

- 1.1 Nationalist Movement and Growth of Representative Institutions (1919-1947)
- 1.2 Constituent Assembly: Origin, Composition and character
- 1.3 Sources of influence and Ideological Background
- 1.4 Philosophy of the Constitution
- 1.5 Basic features of Constitution
- 1.6 Preamble and the basic Values
- 1.7 Fundamental Rights and Duties
- 1.8 Directive Principles of State Policy

Unit-2: Indian Federal System (1 Credit)

- 2.1 Union Legislature: Rajya Sabha and Lok Sabha
- 2.2 Union Executive: President, Prime Minister and the Council of Ministers
- 2.3 The Judiciary: Supreme Court of India
- 2.4 Evolution of Indian Federation
- 2.5 Nature and Character of Indian Federal System

Mode of Evaluation

Attainment on the course shall be measured through continuous evaluation as a part of the internal assessment during the semester.

Internal Assessment shall consist of a Mid-Semester Test with a weighting of 20 marks, regular tutorials work/assignment/attendance on the course 10 marks, and a studied seminar/paper/project/presentation of 20 marks.

The format of the paper for Mid-Semester Test shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	15
3.	Short Notes (Any two out of three to be attempted) (5 marks each)	15
4.	Field Work/Practicum Viva	10
Total		50

University Examination: End-Semester Examination shall be conducted by the university and shall carry a weighting of 50 marks.

The format of the paper for University Examination shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	10
3.	Long Question (Internal Option, e.g., 3 or 3)	15
4.	Long Question/Short Notes (Any two out of three to be attempted) (5 marks each)	15
Total		50

Reading List

- 1 Austin Graville, *Indian Constitution and Politics: Cornerstone of a Nation*, New Delhi, 1999.
- 2 S. Narang, *Indian Government and Politics*, Gitanjali Publication, New Delhi, 2004.
- 3 R. L. Hardgrave, *Indian: Government and Politics in a Developing Nation*, H.B. and World, New York, 2000.
- 4 M. V. Pylee, *Our Constitution, Government and Politics*, Universal, Delhi, 2000.
- 5 J. C. Johri, *Indian Government and Politics*, Vols.I and II, Vishal, Delhi, 1998, 1999.
- 6 P. Avasthi, *Indian Political System*, L. N. Agarwal, Agra, 2007.
- 7 Subash C. Kashyap, *Our Constitution: An Introduction*, National Book Trust, New Delhi, 2008.
- 8 M. P. Singh and Rakesh Saxena, *Indian Politics – Contemporary Issues and Concerns*, Prentice Hall, New Delhi, 2008.

PA02JMCE21: Development of Media-II (Radio and Television)

Credits: 4; Weighting: 100 marks; Continuous Evaluation: 50; Semester Examination: 50

Learning Outcomes

The learners are expected to

- a acquaint students with an overview about radio broadcasting and different types of radio broadcasting.
- b attain a fuller understanding of the evolution and growth of broadcasting in India.
- c develop a clear understanding of how Frequency Modulation (FM) broadcasting works on radio sets.
- d widen understanding of TV including the Indian TV industry and how it has been responsible for wider participation of public in the social life in the country.

Course Content

Unit-1: Radio Broadcasting (1 Credit)

- 1.1 Characteristics of Radio: Broadcast spectrum management in India
- 1.2 The Medium: Role of Sound, Characteristics, Strengths and Limits
- 1.3 Radio Broadcasting: Main Characteristics
- 1.4 Different Types of Radio: AM (Medium and short wave), FM, Community Radio, DRM and Internet radio broadcasting.

Unit-2: Evolution and Growth of Broadcasting (1 Credit)

- 2.1 Airwaves – public or private property, pre-independence and post-independence broadcasting, public service broadcasting, broadcasting policy, broadcasting code and limitations
- 2.2 Roles of AIR and private broadcasters, commercial broadcasting policy, community radio policy, contemporary broadcasting

Unit-3: FM Broadcasting (1 Credit)

- 3.1 Organization and structure, various functionaries and their roles
- 3.2 Planning and organizing the content, Music clock, positioning the channel
- 3.3 Broadcast laws and ethics for music broadcasting

- 3.4 FM technology and software, management of FM radio stations
- 3.5 Community Radio: role of community radio in empowerment, community radio, culture and society, community radio and contemporary issues, management of community radio stations

Unit-4: Understanding TV (1 Credit)

- 4.1 Evolution and development of TV
- 4.2 Television Broadcasting: Characteristics as a medium of communication
- 4.3 History of TV in India: SITE, Terrestrial, Colour TV, Cable and Satellite, Channel Distribution, MSO's, CAS, HITS, DTH, IPTV, TV on Mobile 3G and Notebook, Prospects of 4G
- 4.4 Contemporary trends: Indian TV Industry, Public service TV broadcasting, Commercial TV broadcasting, Economics of TV broadcasting, National and International TV news agencies, ITU, WARC, International Television agreements

Mode of Evaluation

Attainment on the course shall be measured through continuous evaluation as a part of the internal assessment during the semester.

Internal Assessment shall consist of a Mid-Semester Test with a weighting of 20 marks, regular tutorials work/assignment/attendance on the course 10 marks, and a studied seminar/paper/project/presentation of 20 marks.

The format of the paper for Mid-Semester Test shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	15
3.	Short Notes (Any two out of three to be attempted) (5 marks each)	15
4.	Field Work/Practicum Viva	10
Total		50

University Examination: End-Semester Examination shall be conducted by the university and shall carry a weighting of 50 marks.

The format of the paper for University Examination shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	10
3.	Long Question (Internal Option, e.g., 3 or 3)	15
4.	Long Question/Short Notes (Any two out of three to be attempted) (5 marks each)	15
Total		50

Reading List

- 1. C. Fleming, *The Radio Handbook*, Routledge, 2002.
- 2. T. White, *Broadcast News Writing, Reporting and Producing*, Focal Press, 1996.
- 3. H. K. Luthra, *Indian Broadcasting*, Publications Division, GoI, New Delhi, 1987.
- 4. D. Mandy, *Radio in Global Age*, Polity Press, Cambridge, 2000.

PA02JMCE22: Radio Journalism

Credits: 4; Weighting: 100 marks; Continuous Evaluation: 50; Semester Examination: 50

Learning Outcomes

The learners are expected to

- a acquaint students with an overview about radio journalism and its various concerns.
- b attain a fuller understanding of writing for the radio including news snippets, headlines, features etc.
- c develop a clear understanding of radio production including recording formats, sound recording, sound transfer, and editing and post-production.
- d widen understanding of radio newsroom organization and structure and how it works.

Course Content

Unit-1: Writing for Radio (1 Credit)

- 1.1 Thinking audio: Planning and structuring the copy for various audio inputs, Rewriting the printed and agency copy for broadcasting,
- 1.2 Writing for voice dispatches: Bytes and Outside Broadcast (OB) copy, Vox- Pops, Interviews
- 1.3 Compiling Radio news bulletins: Production of different formats of news - 2-minute headline bulletin to one hour news show
- 1.4 Handling of news run down, last minute changes and on air changes in the news
- 1.5 Headline writing: Role and Importance of Headlines, Different types of Headlines, Checking Language, Spelling and Grammar, Following Style Book
- 1.6 Writing for radio programmes: Radio features/documentaries, Radio commentaries, Spotlight/Talks, etc

Unit-2: Radio Production (1 Credit)

- 2.1 Basic concepts of audio production: microphones – designs, categories and applications.
- 2.2 Digital studio mixer, portable audio mixers, recording formats, understanding sound recording/perspective of sound, sound transfer, editing and post-production
- 2.3 Editing softwares, ob recording equipment, audio workstations – nuendo, avid pro tools and others, studio recording, off-air/on-air studios and their working
- 2.4 Online sound editing: online sound editing software, newsroom software- dalet, phone-in and radio bridge, FM broadcast softwares – RCS, etc.

Unit-3: Broadcast News (1 Credit)

- 3.1 Radio newsroom organization and structure: newsroom organization and structure and functions
- 3.2 Different editorial positions in newsroom and their roles and responsibilities
- 3.3 Editorial vision: generating ideas, ensuring creativity and innovation, managing and allocating editorial resources, team work, editorial co-ordination: managing different desks

Unit-4: Radio News-Practical (1 Credit)

- 4.1 Types of news bulletins: 15-minute bulletin, 5 minute, news-on-phone, headlines
- 4.2 Radio News Magazine, New Format News

Mode of Evaluation

Attainment on the course shall be measured through continuous evaluation as a part of the internal assessment during the semester.

Internal Assessment shall consist of a Mid-Semester Test with a weighting of 20 marks, regular tutorials work/assignment/attendance on the course 10 marks, and a studied seminar/paper/project/presentation of 20 marks.

The format of the paper for Mid-Semester Test shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	15
3.	Short Notes (Any two out of three to be attempted) (5 marks each)	15
4.	Field Work/Practicum Viva	10
Total		50

University Examination: End-Semester Examination shall be conducted by the university and shall carry a weighting of 50 marks.

The format of the paper for University Examination shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	10
3.	Long Question (Internal Option, e.g., 3 or 3)	15
4.	Long Question/Short Notes (Any two out of three to be attempted) (5 marks each)	15
Total		50

Reading List

5. E. Elwyn, *Radio: A Guide to Broadcasting Techniques*, Barrie and Jenkins, 1977.
6. C. Fleming, *The Radio Handbook*, Routledge, 2002.
7. A. Boyd, *Broadcast Journalism*, OUP, 1999.
8. T. White, *Broadcast News Writing, Reporting and Producing*, Focal Press, 1996.
9. Y. Ivor, *Television News*, Focal Press, Oxford, 1995.
10. K. M. Srivastava, *Broadcast Journalism in the 21st Century*, Sterling Publications, New Delhi, 2005.
11. R. Thompson, *The Broadcast Journalism Handbook: A Television News Survival Guide*, Oxford, 2004.
12. M. Rober, *An Introduction to Writing for Electronic Media: Script Writing Essentials across the Genres*, Focal Press, Oxford, 2000.
13. H. K. Luthra, *Indian Broadcasting*, Publications Division, GoI, New Delhi, 1987.
14. D. Mandy, *Radio in Global Age*, Polity Press, Cambridge, 2000.

PA02JMCE23: TV Journalism

Credits: 4; Weighting: 100 marks; Continuous Evaluation: 50; Semester Examination: 50

Learning Outcomes

The learners are expected to

- a acquaint students with an overview the organisational structure of TV news channels.
- b attain a fuller understanding of writing process for visuals, writing anchor leads etc.
- c develop appreciation of TV report and what is involved, in it: field work, interviews etc.
- d widen understanding of gate keeping, run downs, leads, bunching, kickers, rhythm and flow, and how this works.

Course Content

Unit-1: TV News (1 Credit)

- 1.1 Organizational structure of TV news channels
- 1.2 Modern TV newsroom: Input/output and Assignment Desks, TV news production desk and its functions, Visual sources: servers, graphics, archives, MSR and OB

Unit-2: Writing to Visuals (1 Credit)

- 2.1 Writing to visuals: The writing process
- 2.2 Thinking audio and video, Planning and structuring the copy for various audio visual inputs,
- 2.3 Editing bytes, procuring and editing visuals – archives, graphics and other sources,
- 2.4 Writing Anchor Leads, Writing for Astons, subtitles, scrawls and other TV screen value addition, instruments.
- 2.5 Broadcast styles and techniques of writing: Handling information overload and allowing visuals to breathe
- 2.6 Rewriting agency copy, writing for Bytes and Outside Broadcast (OB) copy, Understanding the pitfalls of broadcast punctuation and presentation

Unit-3: TV Reporting (1 Credit)

- 3.1 TV Reporters Tools and techniques: Locating TV stories, Developing TV stories, Structuring a TV news report, V/O's, packages and story formats
- 3.2 PTC: Opening, Bridge and closing, The equipment, Field work, TV news interviews, shooting, recording and editing, Live reporting: organizing thoughts and adlibbing, DSNG, Multiple OB locations and Split screen, V/O from field and technical challenges
- 3.3 Major International events and TV coverage, Satellite link for News reporting from abroad, Satellite bookings and co-ordination with local TV channels, booking local editing
- 3.4 Facilities, Planning news stories of cultural and social interest on the side lines, Satellite phones, broadband, optical fibre and internet and 3G based solutions

Unit-4: Production of TV news program (1 Credit)

- 4.1 The production team and the process: Line producers, field producers and their role
- 4.2 The production process, gate keeping, the run downs, leads, bunching, kickers, rhythm and flow, back timing and going on air, news analysis and experts, commercials and promo breaks
- 4.3 Headlines, discussions and talk shows, organizing the studio for TV news programmes

Mode of Evaluation

Attainment on the course shall be measured through continuous evaluation as a part of the internal assessment during the semester.

Internal Assessment shall consist of a Mid-Semester Test with a weighting of 20 marks, regular tutorials work/assignment/attendance on the course 10 marks, and a studied seminar/paper/project/presentation of 20 marks.

The format of the paper for Mid-Semester Test shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	15
3.	Short Notes (Any two out of three to be attempted) (5 marks each)	15
4.	Field Work/Practicum Viva	10
Total		50

University Examination: End-Semester Examination shall be conducted by the university and shall carry a weighting of 50 marks.

The format of the paper for University Examination shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	10
3.	Long Question (Internal Option, e.g., 3 or 3)	15
4.	Long Question/Short Notes (Any two out of three to be attempted) (5 marks each)	15
Total		50

Reading List

1. E. Elwyn, *Radio: A Guide to Broadcasting Techniques*, Barrie and Jenkins, 1977.
2. G. Saksena, *Television in India: Changes and Challenges*, Vikas Publishing, 1996.
3. T. White, *Broadcast News Writing, Reporting and Producing*, Focal Press, 1996.
4. Y. Ivor *Television News*, Focal Press, Oxford, 1995.
5. A. Boyd, *Broadcasting Journalism: Techniques of Radio and television News-* 5th Edition, Focal Press, New Delhi, 2000.
6. K. M. Srivastava, *Broadcast Journalism in the 21st Century*, Sterling Publications, New Delhi, 2005.
7. R. A. Papper, *Broadcast News Writing Style Book*, 5th Edition, Pearson Education, London, 1995.
8. M. Rober, *An Introduction to Writing for Electronic Media: Script Writing Essentials across the Genres*, Focal Press, Oxford, 2000.
9. H. K. Luthra, *Indian Broadcasting*, Publications Division, GoI, New Delhi, 1987.
10. R. Hirsch, *Light and Lens: Photography in the Digital Age*, Taylor and Francis, 2008.

PA02JMCE24: Basic Photography and Photo-Journalism

Credits: 4; Weighting: 100 marks; Continuous Evaluation: 50; Semester Examination: 50

Learning Outcomes

The learners are expected to

- a help students understand the principles and practice of photography.
- b attain a fuller understanding of writing process for visuals, writing anchor leads etc.
- c develop appreciation of TV report and what is involved, in it: field work, interviews etc.
- d enable students to enjoy photography as an art.

Course Content

Unit-1: Basic Principles (1 Credit)

- 1.1 Properties of light electromagnetic spectrum, reflection, transmission, refraction and polarization of light. Different types of light sources and their properties
- 1.2 Controlling light, pinhole camera, concave and convex lenses and mirrors, real and virtual image formation.
- 1.3 Photosensitive material, image formation, latent image development as fixing

Unit-2: Camera/ Digital Camera (1 Credit)

- 2.1 Mechanism of aperture, shutter, camera body view finds, transport, lenses
- 2.2 Classification of cameras and their relative comparison
- 2.3 Camera operation, exposure light tables

Unit-3: Basic Photography (1 Credit)

- 3.1 Various parts of the camera
- 3.2 Loading and shooting on black and white film
- 3.3 Effect of aperture, and effect of shutter speed
- 3.4 Use of camera accessories, and care and maintenance of camera equipment

Colour Photography

- 3.5 Introduction to colour film, and chemistry of colour development and enlargement
- 3.6 Contact and projection printing
- 3.7 Colour and light – basic principles of colour sensitive colour temperature, colour reversal film, colour negative film
- 3.8 Light and lighting – outdoor, night, indoor lighting, indo

Unit-4: Introduction to photo-journalism (1 Credit)

- 4.1 What is photojournalism?
- 4.2 Distinguishing photojournalism from photography
- 4.3 Elements of photojournalism: objectivity, fairness, professionalism, ethics
- 4.4 Rights and responsibilities of photojournalists

Identifying and selecting events and scenes for photojournalism coverage

4.5 Using journalistic newsworthiness as criterion for identifying events for photojournalism

4.6 Using human interest as criterion for identifying events for photojournalism

4.7 Using artistic, aesthetic, and cultural factors as criteria for identifying events for photojournalism

Mode of Evaluation

Attainment on the course shall be measured through continuous evaluation as a part of the internal assessment during the semester.

Internal Assessment shall consist of a Mid-Semester Test with a weighting of 20 marks, regular tutorials work/assignment/attendance on the course 10 marks, and a studied seminar/paper/project/presentation of 20 marks.

The format of the paper for Mid-Semester Test shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	15
3.	Short Notes (Any two out of three to be attempted) (5 marks each)	15
4.	Field Work/Practicum Viva	10
Total		50

University Examination: End-Semester Examination shall be conducted by the university and shall carry a weighting of 50 marks.

The format of the paper for University Examination shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	10
3.	Long Question (Internal Option, e.g., 3 or 3)	15
4.	Long Question/Short Notes (Any two out of three to be attempted) (5 marks each)	15
Total		50

Reading List

1. Michael Freeman, *The Colour Photography Field Guide*, Octopus Publishing Group Ltd, London, 2013.
2. Michael Freeman, *The Colour Photography Field Guide*, Octopus Publishing Group Ltd, London, 2013.
3. John Hedgecoe, *John Hedgecoe's Creative Photography*, Revised edition, Collins and Brown Ltd, 1999.
4. John Hedgecoe, *John Hedgecoe's Workbook of Darkroom Techniques*, Revised and Updated edition, Butterworth-Heinemann, Woburn, MA, 1997.
5. Steve Bavister, *Digital Photography*, Collins and Brown Ltd, 2000.
6. John Hedgecoe, *John Hedgecoe's Basic Photography*, Sterling Publishers, New Delhi, 1996.

PA02JMCE25: Field Work Practicum (Electronic Media: Radio/TV/Production House)

Credits: 8; Weighting: 300 marks; Continuous Evaluation: 150; Semester Examination: 150

Learning Outcomes

The learners are expected to

- a gain exposure to hands-on experience of the chosen field: electronic media – either radio, TV or production house.
- b present a mini-report showing the amount of field work done as a part of the practicum.

Course Requirement

- 1 The students will be attached to a electronic media organization: radio, TV, or production house for hands-on training in the field
- 2 They shall present a mini-report showing the amount of field work done as a part of the practicum

Mode of Evaluation

Attainment on the course shall be measured through continuous evaluation as a part of the internal assessment during the semester.

Internal Assessment shall consist of a Mid-Semester Test with a weighting of 150 marks, involving regular reporting/drafting/attendance, and a studied presentation.

The format of the paper for Mid-Semester Test shall be as under:

Particulars	Marks
Field Work/Practicum Viva	150

University Examination: End-Semester Examination shall be conducted by the university and shall carry a weighting of 150 marks.

Particulars	Marks
Field Work/Practicum Viva	150

PA02JMCF27: Development Communication

Credits: 4; Weighting: 100 marks; Continuous Evaluation: 50; Semester Examination: 50

Learning Outcomes

The learners are expected to

- a introduce the students to the evolution of Development debate – Global and Indian and sensitize them on development issues.
- b attain a fuller understanding of International Developmental agencies like UNESCO, UNICEF etc, and development communication agencies like DAVP, Prasar Bharti etc.

Course Content

Unit-1: Development Communication (1 Credit)

- 1.1 Understanding Development: Concepts and Process, History of Development
- 1.2 Dependency Theory: Critique of Dominant Paradigm, Development and Underdevelopment
- 1.3 Role of Government in Development: Evolution of Planning Process and New Approaches

Unit-2: Development Communication Agencies (1 Credit)

- 2.1 International Developmental Agencies like UNESCO, UNICEF, ILO, World Bank, WHO, FAO etc.
- 2.2 Indian Development Agencies like DAVP, Song and Drama Division, DFP, Prasar Bharti, Private Channels, Print Media, Social Sector, Corporate Sector
- 2.3 Community Radio: Role, Aims and Scope; CR in India

Mode of Evaluation

Attainment on the course shall be measured through continuous evaluation as a part of the internal assessment during the semester.

Internal Assessment shall consist of a Mid-Semester Test with a weighting of 20 marks, regular tutorials work/assignment/attendance on the course 10 marks, and a studied seminar/paper/project/presentation of 20 marks.

The format of the paper for Mid-Semester Test shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	15
3.	Short Notes (Any two out of three to be attempted) (5 marks each)	15
4.	Field Work/Practicum Viva	10
Total		50

University Examination: End-Semester Examination shall be conducted by the university and shall carry a weighting of 50 marks.

The format of the paper for University Examination shall be as under:

Question	Particulars	Marks
1.	10 Multiple Choice Questions (MCQs)	10
2.	Long Question (Internal Option, e.g., 2 or 2)	10
3.	Long Question (Internal Option, e.g., 3 or 3)	15
4.	Long Question/Short Notes (Any two out of three to be attempted) (5 marks each)	15
Total		50

Reading List

1. J. Dreze and A. Sen, *India: Economic Development and Social Opportunity*, Oxford University Press, Delhi, 1995.
2. N. G. Jayal and S. Pai, *Democratic Governance in India: Challenges of Poverty, Development and Identity*, SAGE, Delhi, 2001.
3. G. Mahajan, *Democracy, Difference and Social Justice*, Oxford University Press, Delhi, 1998.
4. J. E. Stiglitz, *Globalization and its Discontents*, W.W. Norton and Company, USA, 2002.
5. J. Dreze and A. Sen, *An Uncertain Glory: India and its Contradictions*, Princeton University, USA, 2013.
6. B. Tankha (ed), *Communications and Democracy*, Southbound, Cendit, 1995.
7. P. Sainath, *Everybody loves a good drought: stories from India's poorest districts*, Penguin Books, Delhi, 1996.
8. M. Traber, *The Myth of the Information Revolution: Social and Ethical Implications of Communication Technology*, Sage, London, 1986.
9. A. M. Khan, *Shaping Policy: Do NGOs Matter?: Lessons from India*, PRIA, Delhi, 1997.
10. S. Kaviraj and S. Khilnani, *Civil Society: History and Possibilities*, Cambridge University Press, Delhi, 2002.

