# M.A. Anth. Linguistics & Pbi. Language (Private Candidates)

## M.A. Part I Syllabi – Semester I, Semester-II Sessions 2018-19 and 2019-20

## M.A. Part I - Semester I

S. No.	Code	Title of the Course	No. of	Core/	Qualifying	Total
			Credits	EC/CF	Marks	Marks
1.	LP18120	General Linguistics	4	Core	35	100
2.	LP18220	Phonetics	4	Core	35	100
3.	LP18320	Morphology	4	Core	35	100
4.	LP18420	Dialectology	4	Core	35	100
5.	LP18520	Notions of Language	4	EC	35	100
6.	LP18620	Language	4	EC	35	100
		Technology-I				
7.	LP18720	History and Structure	4	CF	35	100
		of Punjabi Language				
Total			24			600

<sup>\*</sup> All core courses are compulsory.

### M.A. Part I - Semester II

S. No.	Code	Title of the Course	No. of	Core/	Qualifying	Total
			Credits	EC/CF	Marks	Marks
1.	LP 18820	Phonology	4	Core	35	100
2.	LP 18920	Syntax	4	Core	35	100
3.	LP 181020	Psycholinguistics	4	Core	35	100
4.	LP 181120	Language Families	4	Core	35	100
5.	LP 181220	Language Typology	4	EC	35	100
		and Language				
		Universals				
6.	LP 1813 20	Language	4	EC	35	100
		Technology-II				
7.	LP 181420	Research	4	CF	35	100
		Methodology				
Total			24			600

<sup>\*</sup> All core courses are compulsory.

<sup>\*</sup> The candidate has to choose one course from EC.

<sup>\*</sup> CF (compulsory foundation) course is mandatory.

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<sup>\*</sup> CF (compulsory foundation) course is mandatory.

### M.A. Part 1 - Semester I

## Paper I General Linguistics

Total Marks: 100
Time: 3 hours Pass Marks: 35

### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions respectively. The candidate will attempt two questions from each section. Each question carries 15 marks from each section A and section B respectively. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- 2. In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- 3. The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- 4. The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions each from the sections A and B respectively and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

#### Unit 1

Structure of Language: Levels and their hierarchy- Phonological, Morphological, Syntactic and Semantic; their interrelations. Universal and Specific Properties of Language - Formal and Substantive Universals, Language Relation- Genetic, Areal and Typological; Idiolect and Language

#### Unit 2

Grammatical Analysis: Linguistic Units and their distribution at different levels, Notions of Contrast and Complementation; - etic and - emic categorization; Notions of Word Classes (Parts of Speech) and Grammatical Categories; Grammatical Relations and Case Relations.

#### Section B

#### Unit 3

Some Key Concepts: Diachrony and Synchrony, Syntagmatic and Paradigmatic Relations, Langue and Parole, Competence and Performance, Traditional Grammar, Descriptive Linguistics and Transformational Grammar.

#### Unit 4

Linguistics and Other Fields: Relevance of Linguistics to other Fields of Enquiry-Philosophy, Anthropology, Sociology, Political Science, Psychology, History, Education, Computer Science, Forensic Science, Physics and Literature.

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

M. A. Part I (Sem. I and Sem. II) Anth. Linguistics and Pbi. Language Syllabus for Private Candidates for Sessions 2018-19, 2019-20

#### **Suggested Readings:**

- 1. Akmajian, Adrian; Demers, Richard; Farmer, Ann; Harnish, Robert (2010). *Linguistics: An Introduction to Language and Communication*. Cambridge, MA: The MIT Press.
- 2. Crystal, David (1990). Linguistics. Penguin Books.
- 3. Hockett, C.F. (1970). A Course in Modern Linguistics. York. Macmillan and Co.
- 4. Robins, R. H. (2013) General Linguistics: An Introductory Survey. Routledge.
- 5. Matthews, P. H. (2003). Linguistics: A Very Short Introduction. Oxford University Press.
- 6. Trask, R. L. (1995). Language: The Basics. Routledge. (Indian edition)
- 7. ਪੁਆਰ, ਜੋਗਿੰਦਰ ਸਿੰਘ ਅਤੇ ਹੋਰ (1992) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ.
- 8. ਗੁਪਤਾ, ਬਲਦੇਵ ਰਾਜ (2002) ਭਾਸ਼ਾ, ਸਾਹਿਤ ਤੇ ਸਭਿਆਚਾਰ, ਨੈਸ਼ਨਲ ਬੁਕ ਸ਼ਾਪ, ਦਿੱਲੀ.
- 9. ਹਰਕੀਰਤ ਸਿੰਘ (1991) *ਪੰਜਾਬੀ ਦੀਆਂ ਭਾਸ਼ਾਈ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ*, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 10. ਖਹਿਰਾ, ਸੁਰਿੰਦਰ ਸਿੰਘ (1990) *ਪੰਜਾਬੀ ਭਾਸ਼ਾ: ਵਿਆਕਰਨ ਅਤੇ ਬਣਤਰ,* ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 11. ਚੀਮਾ, ਬਲਦੇਵ ਸਿੰਘ (2005) *ਪੰਜਾਬੀ ਵਾਕ ਪ੍ਰਬੰਧ- ਬਣਤਰ ਅਤੇ ਕਾਰਜ*, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 12. Puar, Joginder Singh (1990). *Punjabi Verb Form And Function*, Publication Bureau, Punjabi University Patiala.
- 13. ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼ ਸਿੰਘ (2002) *ਰੂਪ-ਵਿਗਿਆਨ ਅਤੇ ਪੰਜਾਬੀ ਸ਼ਬਦ-ਰਚਨਾ*, ਮਦਾਨ ਪਬਲੀਕੇਸ਼ਨ, ਪੰਜਾਬੀ ਯਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 14. ਧਾਲੀਵਾਲ, ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼ ਸਿੰਘ (2002) *ਸਿਧਾਂਤਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*, ਮਦਾਨ ਪਬਲੀਕੇਸ਼ਨ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 15. ਆਤਮ ਸਿੰਘ (2011) *ਇਤਿਹਾਸਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 16. ਆਤਮ ਸਿੰਘ (1996) *ਸਮਾਜ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.

## Paper II Phonetics

Total Marks: 100
Time: 3 hours Pass Marks: 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions respectively. The candidate will attempt two questions from each section. Each question carries 15 marks from each section A and section B respectively. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks
- 2. In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- 3. The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- 4. The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions each from the sections A and B respectively and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

#### Unit 1

Phonetics: Definition; Branches of Phonetics- Articulatory (Speech Production), Acoustic (Speech Transmission), Auditory (Speech Perception) Phonetics; Organs of Speech, Air-stream Mechanism and its Types.

### Unit 2

Articulatory Phonetics: Speech Sounds, Classification and Description of Speech Sounds, Consonants & Vowels; Liquids and Glides, Cardinal Vowels, Monophthongs and Diphthongs, Contoids and Vocoids, Coarticulation; Secondary Articulation. (Examples from English and Punjabi language).

#### Section B

#### Unit 3

Acoustic Phonetics: Sound Waves- Frequency, Amplitude, Periodic Complex Harmonics, Fundamental Frequency, Resonance, Filtering, Spectrum, Spectrogram, Pitch, Loudness, Length; Formants, Transition, Burst, Voice Onset Time, Aspiration; Noise Spectra; Cues for Place and Manner.

#### Unit 4

The Syllable: Segments of Syllable; Syllabic and Non Syllabic Sounds, Syllabic Structure of Punjabi; Supra-segmentals: Length, Stress, Tone, Intonation, Juncture; Combinatory Phonetics: Assimilation, Dissimilation, Inversion, Metathesis, Haplology, Sandhi; Principles of the I.P.A.; Transcription of Punjabi Material into I.P.A., I.P.A. and Gurumukhi Orthography

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

#### **Suggested Readings:**

- 1. Malmberg, B. (1963) *Phonetics*. Dove Publication, New York.
- 2. O'Cornor, J. D. (1974) Phonetics. Penguin Books, Harmondsworth.
- 3. Martinet, A. (1973) Function and Segmentation in Prosody. Pakha Sanjam, Vol. VI.
- 4. Gill, H. S. and Gleason, H. A. Jr. (1969) *A Reference Grammar of Punjabi*. Punjabi University, Patiala.
- 5. Gill, H. S. (1960) Punjabi Tonemics, Anthrolpological Linguistics, 2 No. 6
- 6. Joshi, S.S. (1973) Pitch and Related Phenomena in Punjabi, Pakha Sanjam, Vol. VI.
- 7. Palmer, F.R., ed. (1970) Prosodic Analysis. OUP, London.
- 8. International Phonetic Association, 1949 Principles of International Phonetic Association, London.
- 9. Lever, J. (1994) Principles of Phonetics, CUP.
- 10.ਖਹਿਰਾ, ਭੂਪਿੰਦਰ ਸਿੰਘ (2016) *ਨਵੀਨ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*. ਪਟਿਆਲਾ. ਪੈਪਸੂ ਬੁੱਕ ਡਿੱਪੂ
- 11. ਧਾਲੀਵਾਲ, ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼ ਸਿੰਘ (2002) ਸਿਧਾਂਤਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ, ਮਦਾਨ ਪਬਲੀਕੇਸ਼ਨ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 12. ਸਿੱਧੂ, ਪਰਮਜੀਤ ਸਿੰਘ, (1988). ਮਾਨਵ ਵਿਗਿਆਨਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 13. ਸੰਘਾ, ਸ. ਸ., (1997) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ , ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ , ਜਲੰਧਰ.
- 14. ਬਰਾੜ, ਬੂਟਾ ਸਿੰਘ (2008) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿਗਿਆਨ
- 15. Kenneth N. Stevens (1998) Acoustic Phonetics, MIT Press.

### Paper III **Morphology**

Total Marks: 100
Time: 3 hours Pass Marks: 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions respectively. The candidate will attempt two questions from each section. Each question carries 15 marks from each section A and section B respectively. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks
- 2. In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- 3. The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- 4. The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions each from the sections A and B respectively and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

Unit 1

Morphology: Nature and Scope; Concept of Morpheme and its Identification; Morph, Allomorph, Zero-Morph, Empty Morph, Portmanteau Morpheme.

Unit 2

Classification of Morphemes, Types of Morphemes: Free and Bound; Root, Stem, Suffix, Infix, Prefix, Affix, Clitics; Word and Compound; Copulative Compound (Dvandva) and Headedness of Compounds; Types of Compounding: Endocentric (Karmadhaaraya, Tatapurusha), Exocentric (Bahuvrihi),

#### Section B

Unit 3

Derivation and Inflection: Derivational vs Inflectional Processes (Conjugation and Declension): Primary vs Secondary Derivation; Idiom Formation, Types of Idioms; Morphophonemic alternations: Internal and External Sandhi; Reduplication-Morphological, Lexical and Semantic; Non-Concatenative Morphology.

Unit 4

Relationship between Morpheme and Phoneme; Morphophonemic Alternations; Internal and External Sandhi. Automatic and Non-automatic Alternation, Regular and Irregular Alternation; Base Form. Phonologically conditioned Alternation, Morphologically conditioned Alternation; Morphology in Generative Framework.

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

#### **Recommended Books:**

- 1. Bauer, B. (2003) Introducing Linguistic Morphology. Edinburgh: Edinburgh University
- 2. Press.
- 3. Carstairs-McCarthy, A. (2002) Introduction to English Morphology: Words and their
- 4. Structure. Edinburgh: Edinburgh University Press.
- 5. Fabregas, A. and Sergio Scalise (2012) *Morphology: From Data to Theories*. Edinburgh: Edinburgh University Press.
- 6. Katamba, F. 2006 Morphology. Hampshire and London: Palgrave Macmillan.
- 7. Lieber, Rochelle (2010) Introducing Morphology. Cambridge: Cambridge University
- 8. Press.
- 9. ਖਹਿਰਾ, ਭੁਪਿੰਦਰ ਸਿੰਘ (2016) *ਨਵੀਨ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*. ਪਟਿਆਲਾ. ਪੈਪਸੂ ਬੁੱਕ ਡਿੱਪੂ.
- 10. ਗੁਪਤਾ, ਬਲਦੇਵ ਰਾਜ (2002). *ਭਾਸ਼ਾ, ਸਾਹਿਤ ਤੇ ਸਭਿਆਚਾਰ*, ਨੈਸ਼ਨਲ ਬੁਕ ਸ਼ਾਪ, ਦਿੱਲੀ.
- 11. ਸਿੱਧੂ, ਪਰਮਜੀਤ ਸਿੰਘ,(1988). *ਮਾਨਵ ਵਿਗਿਆਨਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 12. ਅਗਨੀਹੋਤਰੀ, ਵੇਦ (1981) *ਪਰਿਚਾਇਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*, ਦੀਪਕ ਪਬਲਿਸ਼ਰਜ਼, ਮਾਈ ਹੀਰਾਂ ਗੇਟ, ਜਲੰਧਰ.
- 13. ਬਰਾੜ, ਬੂਟਾ ਸਿੰਘ. 2004. ਪੰਜਾਬੀ ਭਾਸ਼ਾ : ਸ੍ਰੋਤ ਅਤੇ ਸਰੂਪ. ਅੰਮ੍ਰਿਤਸਰ: ਵਾਰਿਸ ਸ਼ਾਹ ਫਾਉਂਡੇਸ਼ਨ.
- 14. ਬਰਾੜ, ਬੂਟਾ ਸਿੰਘ. 2008. ਪੰਜਾਬੀ ਵਿਆਕਰਨ: ਸਿਧਾਂਤ ਅਤੇ ਵਿਹਾਰ. ਲੁਧਿਆਣਾ: ਚੇਤਨਾ ਪ੍ਰਕਾਸ਼ਨ ਪੰਜਾਬੀ ਭਵਨ.
- 15. ਹਰਕੀਰਤ ਸਿੰਘ. 1980. ਰੂਪਾਂਤਰੀ ਵਿਆਕਰਨ. ਚੰਡੀਗੜ੍ਹ: ਪੰਜਾਬ ਸਟੇਟ ਯੂਨੀਵਰਸਿਟੀ ਟੈਕਸਟ ਬੁੱਕ ਬੋਰਡ.

## Paper IV Dialectology

Time: 3 hours Total Marks: 100
Pass Marks: 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions respectively. The candidate will attempt two questions from each section. Each question carries 15 marks from each section A and section B respectively. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- 2. In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- 3. The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- 4. The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions each from the sections A and B respectively and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

#### Unit 1

Concept of Dialect, Idiolect, Standard Language: Dialect Area, Dialect Boundary, Focal Area, Relic Area and Transitional Area. History and Development of Dialect Studies: Synchronic and Diachronic;

#### Unit 2

Major Linguistic Atlases: German, French, American atlases. Dialect Studies in India and Punjab; Linguistic Survey of India (Punjabi Language), Linguistic Atlas of Punjab.

#### Section B

#### Unit 3

Types of Dialects and Variability; Variation along Social Parameters; Geographical Variation-Intelligibility, Isoglosses, Patterning and Gradation; Notions of Heterogeneity and Variability; Interactional and Co-relational Approaches in Survey Methodology.

#### Unit 4

Dialect Survey Methodology; Preparation of Questionnaire; Data Elicitation Techniques: Mapping of Dialect Variation and Drawing of Isoglosses: Interpretation of Dialect Maps.

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

#### **Suggested Readings:**

- 1. Chambers, J.K. and Trudgil, Peter. 1990. Dialectology. Cambridge. Cambridge University Press.
- 2. Trudgil, Peter. 1983. On Dialect: Social and Geographical perspectives. Oxford. Blackwell.
- 3. Ferguson & Gumperz. : Linguistic Diversity in South Asia. Mouton.
- 4. Francil, W.N. 1987. Dialectology: An Introduction. London. Longman.
- 5. Krishnamurti, Bh. 1962. A Dialect Dictionary of Occupational Vocabulary, Vol. I: Introduction.
- 6. Thomas, Alan R. (1967), "Generative phonology in dialectology", Transactions of the Philological Society 66 (1): 179–203, doi:10.1111/j.1467 968X.1967.tb00343.x
- 7. Dollinger, Stefan (2015). The Written Questionnaire in Social Dialectology: History, Theory, Practice. IMPACT: Studies in Language and Society, 40. Amsterdam & Philadelphia: John Benjamins Pub. Co.
- 8. Grierson, G.A.1955. Linguistic Survey of India, Vol-1 and Vol 1X, Calcutta, 1916
- 9. ਹਰਕੀਰਤ ਸਿੰਘ. 2004. ਸਾਡੀ ਭਾਸ਼ਾ. ਪਟਿਆਲਾ: ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ.
- 10. ਦਨੀ ਚੰਦ. 1959. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਕਾਸ. ਚੰਡੀਗੜ :ਪੰਜਾਬ ਬਕ ਸੇਂਟਰ.
- 11. Gill, H.S..1974. Pakha Sanjam Vol. V. Publication Bureau, Punjabi University, Patiala.
- 12. Gill, H.S..1974. Pakha Sanjam Vol. III. Publication Bureau, Punjabi University, Patiala.

## Paper V Notions of Language

Total Marks: 100

Time: 3 hours
Pass Marks: 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- 2. In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- 3. The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- 4. The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

#### Unit 1

Language as a Written Text- Philological and Literary Notions i.e., norm, purity and their preservation; Writing System – Units of Writing – Sound (alphabetic) or Syllable (syllabic) and Morpheme/Word (logographic)

#### Unit 2

Language as a Marker of Social Identity: Language Boundary, Dialect and Language, Language in Spoken and Written Modes and Relation between them. Language as a Cultural Heritage: Codification and Transmission of Cultural knowledge and Behaviour.

#### Section B

#### Unit 3

Language as a System of Social Behaviour – Use of Language in Family, Community and Country; Language as a System of Communication – Communicative Functions- Emotive, Conative, Referential, Poetic, Metalinguistic and Phatic

#### Unit 4

Interpretation of Sign; Sign Language: Animal Communication System and Formal Language; Design Features of Language – Arbitrariness, Double Articulation, Displacement, Interchangeability and Specialisation

M. A. Part I (Sem. I and Sem. II) Anth. Linguistics and Pbi. Language Syllabus for Private Candidates for Sessions 2018-19, 2019-20

#### Section C

The Section C will have fifteen(15) short-answer type/objective type questions covering the entire syllabus.

#### **Suggested Readings:**

- 1. Agha, Agha (2006). Language and Social Relations. Cambridge University Press.
- 2. Akmajian, Adrian; Demers, Richard; Farmer, Ann; Harnish, Robert (2010). *Linguistics: An Introduction to Language and Communication*. Cambridge, MA: The MIT Press.
- 3. Bloomfield, Leonard (1914). *An Introduction to the Sudy of Language*. New York: Henry Holt and Company.
- 4. Crystal, David (1990). *Linguistics*. Penguin Books.
- 5. Fromkin C. F.; R. Rodman; N. Hyams (2003). An Introduction to Language.
- 6. Hockett, C.F. (1970). A Course in Modern Linguistics. York. Macmillan and Co.
- 7. Mark Aronoff and Janie Rees-Miller (2003). The Handbook of Linguistics. Blackwell.
- 8. Matthews, P. H. (2003). Linguistics: A Very Short Introduction. Oxford University Press.
- 9. Trask, R. L. (1995). Language: The Basics. Routledge. (Indian edition)
- 10. ਖਹਿਰਾ, ਭਪਿੰਦਰ ਸਿੰਘ (2016) *ਨਵੀਨ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*. ਪਟਿਆਲਾ. ਪੈਪਸ ਬੱਕ ਡਿੱਪ.
- 11. ਗਪਤਾ, ਬਲਦੇਵ ਰਾਜ (2002). *ਭਾਸ਼ਾ, ਸਾਹਿਤ ਤੇ ਸਭਿਆਚਾਰ*, ਨੈਸ਼ਨਲ ਬਕ ਸ਼ਾਪ, ਦਿੱਲੀ.
- 12. ਸਿੱਧੂ, ਪਰਮਜੀਤ ਸਿੰਘ,(1988). *ਮਾਨਵ ਵਿਗਿਆਨਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 13. ਅਗਨੀਹੋਤਰੀ, ਵੇਦ (1981) *ਪਰਿਚਾਇਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*, ਦੀਪਕ ਪਬਲਿਸ਼ਰਜ਼, ਮਾਈ ਹੀਰਾਂ ਗੇਟ, ਜਲੰਧਰ.
- 14. ਸੁਖਵਿੰਦਰ ਸੰਘਾ (2003) *ਸਾਹਿਤ, ਭਾਸ਼ਾ ਅਤੇ ਭਾਸ਼ਾ ਵਿਗਿਆਨ,* ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 15. ਪਰਮਜੀਤ ਸਿੰਘ (2005) *ਭਾਸ਼ਾ ਵਿਗਿਆਨ : ਭਾਸ਼ਾਈ ਪੱਧਰ ਤੇ ਸੰਚਾਰ ਮਾਡਲ*, ਸੁੰਦਰ ਬੁੱਕ ਡਿਪੋ, ਮਾਈ ਹੀਰਾਂ ਗੇਟ, ਜਲੰਧਰ.
- 16. ਧਾਲੀਵਾਲ, ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼ ਸਿੰਘ (1988) *ਸਿਧਾਂਤਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*, ਮਦਾਨ ਪਬਲੀਕੇਸ਼ਨ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.
- 17. ਆਤਮ ਸਿੰਘ (1988) *ਸਮਾਜ ਭਾਸ਼ਾ ਵਿਗਿਆਨ*, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.

### Paper VI Language Technology-I

Total Marks: 100

Time: 3 hours Pass Marks: 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- **2.** In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- **3.** The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- **4.** The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

Unit 1

Language Technology and Natural Language Processing; A Brief History- Babbage to Von Neuman; Computing Machines from Abacus to IBM,. PC

Unit 2

Hardware- the Basic Peripherals of a Digital Computer; Software- Machine Language, Compilers; Interpreters- Information Processing; Structuring and Manipulating Data

#### **SECTION-B**

Unit 3

Word Processors: Morphological Process, Word and sentence Tokenisation, Spelling Correction.

N Gram Language Modelling Toolkit, Modern methods of POS-tagging, Bigram and Trigram,

Spell-Checker; Morphological (Recognizer, Analyser and Generator); POS Tagger; Word Processor; ASR, DSP, Parse and KIMMO Parser, OCR.

#### **SECTION-C**

The section C will have fifteen (15) short-answer type/objective questions covering the entire syllabus.

#### **Suggested Readings:**

Allen.James.1995. Natural Language Understanding.Benjamin / Cumming.

Antworth, E.L. PC-KIMMO: A Two-level Processor for Morphological analyser.

Basu A. and U.N.Singh. 2005. Simple '05, Proceedings of Second Symposium on Indian, Morphology, Phonology & Language Engineering; Central Institute of Indian Languages, Mysore, India.

Rajapurohit, B.B. 1994. *Technology and Languages*. Central Institute of Indian Languages, Manasgangotri, Mysore.

Chaitanya, V. and R. Sangal.andAkshar Bharti.1995. *Natural Language Processing: A Paninian Perspective*. New Dehli: Prentice Hall of India.

Charniak, E.1993. Statistical Language Learning. MIT Press.

Garvin, P.L. 1963. *Natural Language and the Computer*. McGraw: Hill Book Company Inc.

Grzybek, P. 2006. Contribution to the Science of Text and Language: Word Length Studies and Related Issues. Springer.

Manning, C. and S. Heinrich. 1999. *Foundation of Statistical Natural language Processing*. MIT Press.

MITKOV and NICOLOV. 1997. *Recent Advances in Natural Language Processing;* John Benjamins Publishing Company, Amsterdam/ Philadelphia.

Niyogi.----.The Computational Nature of Language Learning and Evaluation. Cambridge: MIT Press.

Noble, H.M.1988 *Natural Language Processing*. Oxford: Blackwell Scientific Publications.

Rajaraman. 2003. Fundamentals of Computers. Prentice Hall, India Pvt.

Ram.B.2000. Computer Fundamentals Architecture and Organisation. New age International Publication.

Sangal, Rajeev and Others.(ICON - 2003). Recent Advances in Natural Language Processing.

Sprot, R.1992. Morphology and Computation. Cambridge: MIT Press.

Saxena, Sanjay. 2013. Introduction to Information Technology, Vikas Publication House Pvt. Ltd., New Delhi

Peter Dyson, 1994. The PC User's Pocket Dictionary, BPB Publications, New Delhi.

Gazdar, G. and Mellish, C.S. 1989 Natural Language Processing in Prolog. Massachusetts Addisonweslay

Grishman.R.1980 Computational Linguistics: An Introduction, Cambridge, Cambridge University Press

Colin Beardon, David Lumsden & Geoff Holmer, 1991 Natural Language and Computational Linguistics: An Introduction. Ellis Horwood, Ltd.

Richard Sproat, 2000, A Computational Theory of Writing System, Cambridge University Press.

ਜੁਨੇਜਾ, ਜਗਮੋਹਨ ਸਿੰਘ, 2008 ਕੰਪਿਊਟਰ: ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਅਤੇ ਉਪਯੋਗ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

ਜੈਤੇਗ ਸਿੰਘ, 2014, ਕੰਪਿਊਟਰ: ਸੰਰਚਨਾ ਅਤੇ , ਮਦਾਨ ਪਬਲਿਸ਼ਰਜ਼, ਪਟਿਆਲਾ

Christopher D. Manning, Prabhakar Raghavan & Hinrich Schütze, 2008 Introduction to Information Retrieval, Cambridge University Press, Cambridge.

Martin Wynne 2005. Developing Linguistic Corpora: A Guide to Good Practice, Oxford: Oxbow Books

Michael W. Berry, 2003. Survey of Text Mining: Clustering, Classification and Retrieval, Springer Verlag.

Gerald J. Kowalski & Mark T.Maybury 2000 Information storage and Retrieval Systems, Kluwer, Academic Publishers.

Dash, Niladari Sekhar 2007 Language Corpora and Applied Linguistics, Kolkata: Sahitya Samsad

Dash, Niladari Sekhar 2005 Linguistics and Language Technology: With Reference of Indian Languages, New Delhi, Mittal Publications

Dash, Niladari Sekhar 2008 Corpus Linguistics: An Introduction, New Delhi, Pearson Education, Longman

Dash, Niladari Sekhar 2002 Corpus Generation and Text Processing, International Journal of Dravidian Linguistics

Dash, Niladari Sekhar 2009 Language Corpora: Past, Present and Future, New Delhi, Mittal Publications.

## Paper VII History and Structure of Punjabi Language

Total Marks: 100

Time: 3 hours

Pass Marks: 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- **2.** In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- **3.** The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- **4.** The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

#### Unit 1

- (i) Origin of Punjabi Language; An Overview of the Theories about the Origin of Punjabi.
- (ii) The Impact of Oriental Languages on Punjabi Language;
- (iii) Comparative Study of Punjabi with other Modern Indo-Aryan Languages.
- (iv) The Development of Punjabi Language in India and Abroad; Old Punjabi Text: Sri Guru Granth Sahib Ji.

#### Unit 2

- (i) Phonetic Structure of Punjabi Language.
- (ii) Phonological Structure of Punjabi Language.
- (iii) Word Formation in Punjabi; Inflection and Derivation; Affixation; Compounding Conjunctive, Genitive, and Attributive
- (iv) Indeclinables: Adverbs, Prepositions Conjunctions, Interjections.

#### Section B

#### Unit 3

- (i) Sentences: Simple, Complex and Compound
- (ii) Phrase; Noun Phrase (NP)
- (iii) Verb Phrase (VP) Causative, Conjunctive and Compound Verbs
- (iv) Borrowings in Punjabi; Gurmukhi Script and Shahmukhi Script: Their Characteristics.

#### Unit 4

- (i) Punjabi Language and its Dialects.
- (ii) Distinctive Features of Punjabi Dialects.
- (iii) Linguistic Survey of Punjabi Language with specific reference to Grierson.
- (iv) Standard form of Punjabi Language- Salient Characteristics.

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

#### **Recommended Books:**

- 1. Bahri, U.S. 1973. A Course in Spoken Punjabi. New Delhi, Bahri Publications.
- 2. Bhatia, M. 1985. An Intensive Course in Punjabi. Mysore, CIIL.
- 3. ਬਰਾੜ, ਬਟਾ ਸਿੰਘ. 2008. ਪੰਜਾਬੀ ਵਿਆਕਰਨ. ਪਟਿਆਲਾ, ਸੋਹੀ ਪਬਲੀਕੇਸ਼ਨਜ਼.
- 4. ਚੀਮਾ, ਬਲਦੇਵ ਸਿੰਘ.2000. ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਅਤੇ ਭਾਸ਼ਾ ਵਿਗਿਆਨ: ਤਕਨੀਕੀ ਸ਼ਬਦਾਵਲੀ ਵਿਸ਼ਾ ਕੋਸ਼. ਪਟਿਆਲਾ, ਪੰਜਾਬੀ ਯਨੀਵਰਸਿਟੀ.
- 5. ਦੂਨੀ ਚੰਦ੍ਰ. 1959. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਕਾਸ. ਚੰਡੀਗੜ੍ਹ, ਪੰਜਾਬ ਬੁੱਕ ਸੈਂਟਰ.
- 6. ਦਨੀ ਚੰਦ੍ਰ. 1964. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਣ. ਚੰਡੀਗੜ੍ਹ, ਪੰਜਾਬ ਯਨੀਵਰਸਿਟੀ.
- 7. Dulai, Narinder K. 1990. A Pedagogical Grammar of Punjabi. Patiala, Indian Institute of Language Studies.
- 8. Gill, H.S. & H.A. Gleason. 1969. A Reference Grammar of Punjabi. Patiala, Punjabi University.
- 9. ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼ ਸਿੰਘ.1976.ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਪਿਛੋਕੜ. ਪਟਿਆਲਾ. ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ
- 10. ਸੰਘਾ, ਸੁਖਵਿੰਦਰ ਸਿੰਘ. 2014. ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ: ਸਿਧਾਂਤ ਤੇ ਵਿਹਾਰ. ਅੰਮ੍ਰਿਤਸਰ: ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯਨੀਵਰਸਿਟੀ.
- 11. ਅਗਰਵਾਲ, ਚਮਨ ਲਾਲ. 1979. ਪੰਜਾਬੀ ਰੂਪ ਵਿਗਿਆਨ. ਚੰਡੀਗੜ੍ਹ: ਪੰਜਾਬ ਸਟੇਟ ਟੈਕਸਟ ਬੁੱਕ ਬੋਰਡ.
- 12. ਸਿੱਧ, ਪਰਮਜੀਤ ਸਿੰਘ. 1991. ਪੰਜਾਬੀ ਵਾਕੰਸ਼-ਜਗਤ.ਅੰਮ੍ਰਿਤਸਰ: ਲਾਲ ਐਂਡ ਸੰਨਜ਼.
- 13. Buddha Prakash. 1966. Glimpses of Ancient Punjab. Patiala, Punjabi University.
- 14. ਹਰਕੀਰਤ ਸਿੰਘ ਤੇ ਗਿਆਨੀ ਲਾਲ ਸਿੰਘ. 1983. ਕਾਲਜ ਪੰਜਾਬੀ ਵਿਆਕਰਨ. ਚੰਡੀਗੜ੍ਹ: ਪੰਜਾਬ ਸਟੇਟ ਯਨੀਵਰਸਿਟੀ ਟੈਕਸਟ ਬਕ ਬੋਰਡ.
- 15. ਹਰਕੀਰਤ ਸਿੰਘ. 1980. ਰੂਪਾਂਤਰੀ ਵਿਆਕਰਨ. ਚੰਡੀਗੜ੍ਹ:ਪੰਜਾਬ ਸਟੇਟ ਯੂਨੀਵਰਸਿਟੀ ਟੈਕਸਟ ਬੁੱਕ ਬੋਰਡ.
- 16. ਹਰਕੀਰਤ ਸਿੰਘ. 2004. ਸਾਡੀ ਭਾਸ਼ਾ. ਪਟਿਆਲਾ: ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ.
- 17. ਕਾਂਗ, ਕੁਲਬੀਰ ਸਿੰਘ. 1992. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਗੁਰਮੁਖੀ ਲਿਪੀ. ਅੰਮ੍ਰਿਤਸਰ:ਕਸਤੂਰੀ ਲਾਲ ਐਂਡ ਸੰਨਜ.
- 18. ਕਾਂਗ, ਕੁਲਬੀਰ ਸਿੰਘ. ਮਿਤੀਹੀਣ. ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਗੁਰਮੁਖੀ ਲਿਪੀ. ਅੰਮ੍ਰਿਤਸਰ: ਨਾਨਕ ਸਿੰਘ ਪੁਸਤਕ ਮਾਲਾ.

- 19. ਖਹਿਰਾ, ਸੁਰਿੰਦਰ ਸਿੰਘ (ਸੰਕਲਨ ਕਰਤਾ). 1990. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਅਕਰਨ ਤੇ ਬਣਤਰ. ਪਟਿਆਲਾ: ਪੰਜਾਬੀ ਯਨੀਵਰਸਿਟੀ.
- 20. ਖਹਿਰਾ, ਸੁਰਿੰਦਰ ਸਿੰਘ. 1990. ਪੰਜਾਬੀ ਭਾਸ਼ਾ: ਵਿਆਕਰਨ ਅਤੇ ਬਣਤਰ. ਪਟਿਆਲਾ: ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ.
- 21. ਗਣੇ, ਪੀ.ਡੀ. ਡਾ. 1970. ਤਲਨਾਤਮਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ. ਪਟਿਆਲਾ: ਭਾਸ਼ਾ ਵਿਭਾਗ ਪੰਜਾਬ.
- 22. ਗੁਪਤਾ, ਬਲਦੇਵ ਰਾਜ. 1981. ਭਾਸ਼ਾ ਵਿਗਿਆਨ ਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਬਣਤਰ. ਪਟਿਅਲਾ : ਪੈਪਸੂ ਬੁੱਕ ਡਿਪੋ.
- 23. Gill, H. S., and H. A. Gleason. 1969. A Reference Grammar of Punjabi. Patiala.
- 24. Bailey, Grahame T. 1912. Punjabi Manual and Grammar.
- 25. Grierson, G.A. Linguistic Survey of India
- 26. Dulai, Narinder Kaur. 1980. Punjabi Phonetic Reader. Mysore, CIIL.
- 27. Gill, H.S. & H.A. Gleason. 1972. A Start in Punjabi. Patiala, Punjabi University.
- 28. Gill, H.S..1974. Pakha Sanjam Vol. V. Publication Bureau, Punjabi University, Patiala.
- 29. Gill, H.S.. 1974. Pakha Sanjam Vol. III. Publication Bureau, Punjabi University, Patiala.
- 30. ਮਨਮੋਹਨ. 2009. ਗਰਮਖੀ ਦੀ ਜਗਤ. ਲਧਿਆਣਾ: ਚੇਤਨਾ ਪ੍ਰਕਾਸ਼ਨ.

### M.A. Part 1 - Semester II

## Paper VIII Phonology

Total Marks: 100

Time: 3 hours
Pass Marks: 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- **2.** In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- **3.** The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- **4.** The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

#### Unit 1

Phonology: Phonetics vs Phonology; The Concept of Phoneme, Phone and Allophone. Principles of Phonemic Analysis - Phonetic Similarity, Contrast, Complementary Distribution, Free Variation, Economy, Pattern Congruity; Alternation and Neutralization, Inventory, Phonotactics, Minimal Pairs

#### Unit 2

Prague School- Neutralization and Archiphoneme; Trubetzkoy's Distinctive Oppositions Bilateral, Multilateral, Proportional Oppositions; Isolated, Privative, Gradual, Equipollent Oppositions

#### Section B

Unit 3

Concept of Distinctive Features; Distinctive Features of Chomsky and Halle; Laryngeal Features; Stricture Features

Unit 4

Introduction to Prosodic Phonology; Introduction to Auto-Segmental Phonology: Tone, Nasal Spread, Vowel Harmony; C-V Tier Introduction to Optimality Theory: Main Theoretical Assumptions

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

#### **Suggested Readings:**

Clark, J. 1990. Introduction to Phonetics and Phonology. Basil Blackwell.
Fromkin, V. 2000. Linguistics: An introduction to Linguistics. Cambridge, Blackwell.
Goldsmith, J. 1999. Phonological Theory: Essential Readings. Cambridge, Blackwell.
Goldsmith, J. 1996. The Handbook of Phonological Theory. Cambridge, Blackwell.
Arun, V.B.1997. A Comparative Phonology of Hindi and Punjabi, Patiala, Punjabi University.
Bahri, U.S. 1973. A Course in Spoken Punjabi. New Delhi, Bahri Publications.
Bhatia, M. 1985. An Intensive Course in Punjabi. Mysore, CIIL.
ਪੁਆਰ, ਜੋਗਿੰਦਰ ਸਿੰਘ ਅਤੇ ਹੋਰ (1992) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ.
Gill, H.S. & H.A. Gleason. 1969. A Reference Grammar of Punjabi. Patiala, Punjabi University.

Gill, H.S. & H.A. Gleason. 1972. A Start in Punjabi. Patiala, Punjabi University.

### Paper IX Syntax

Total Marks : 100
Time: 3 hours Pass Marks : 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- 2. In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- **3.** The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- **4.** The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

Unit 1

Word Classes; Parts of Speech and Grammatical Categories-Indian Classification: naama, akhyata, upsarga, nipaata; Structural Syntactic Categories (word, phrase, clause etc.); Functional Syntactic Categories (Subject, Object, etc.)

Unit 2

Item and Process, Item and Arrangement, Word and Paradigm; Immediate Constituents (IC): Morphological and Syntactic. Types of ICs and Markers, Construction Types: Endocentric and Exocentric

#### Section B

#### Unit 3

Universal Grammar, Innateness Hypothesis, Meaning of the term 'Generative'; Transformational Generative Grammar; Criteria for Determining Constituents; Aspects Model, Problems with the Aspects Model; Ross Constraints; Principles and Parameters

#### Unit 4

Structure and Structure-Dependence, Diagnostics for Structure; Reference, Co-reference and anaphoric reference; Deixis- Demonstratives, Tense, Pronominals; Context; Topic, Focus, Focusing Devices; Mood; Thematic roles(agent, patient, etc.); grammatical relations(subject, object etc.); Case (nominative, accusative etc.) – their interrelationships

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

- 1. ਅਗਰਵਾਲ, ਚਮਨ ਲਾਲ. 1979. ਪੰਜਾਬੀ ਰਪ ਵਿਗਿਆਨ. ਚੰਡੀਗੜ੍ਹ: ਪੰਜਾਬ ਸਟੇਟ ਟੈਕਸਟ ਬੱਕ ਬੋਰਡ.
- 2. ਸਿੱਧ, ਪਰਮਜੀਤ ਸਿੰਘ. 1991. ਪੰਜਾਬੀ ਵਾਕੰਸ਼-ਜਗਤ.ਅੰਮ੍ਰਿਤਸਰ: ਲਾਲ ਐਂਡ ਸੰਨਜ਼.
- 3. ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼ ਸਿੰਘ. 2002. ਰੂਪ ਵਿਗਿਆਨ ਅਤੇ ਪੰਜਾਬੀ ਸ਼ਬਦ ਰਚਨਾ. ਪਟਿਆਲਾ:ਮਦਾਨ ਪਬਲੀਕੇਸ਼ਨਜ਼.
- 4. ਬਰਾੜ, ਬਟਾ ਸਿੰਘ. 2008. ਪੰਜਾਬੀ ਵਿਆਕਰਨ. ਪਟਿਆਲਾ, ਸੋਹੀ ਪਬਲੀਕੇਸ਼ਨਜ਼.
- 5. ਚੀਮਾ, ਬਲਦੇਵ ਸਿੰਘ.2000. ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਅਤੇ ਭਾਸ਼ਾ ਵਿਗਿਆਨ: ਤਕਨੀਕੀ ਸ਼ਬਦਾਵਲੀ ਵਿਸ਼ਾ ਕੋਸ਼. ਪਟਿਆਲਾ, ਪੰਜਾਬੀ ਯਨੀਵਰਸਿਟੀ.
- 6. ਦੂਨੀ ਚੰਦ੍ਰ. 1959. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਕਾਸ. ਚੰਡੀਗੜ੍ਹ, ਪੰਜਾਬ ਬੁੱਕ ਸੈਂਟਰ.
- 7. ਦਨੀ ਚੰਦ. 1964. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਣ. ਚੰਡੀਗੜ, ਪੰਜਾਬ ਯਨੀਵਰਸਿਟੀ.
- 8. Dulai, Narinder K. 1990. A Pedagogical Grammar of Punjabi. Patiala, Indian Institute of Language Studies.
- 9. Gill, H.S. & H.A. Gleason. 1969. A Reference Grammar of Punjabi. Patiala, Punjabi University.
- 10. ਹਰਕੀਰਤ ਸਿੰਘ. 1980. ਰੂਪਾਂਤਰੀ ਵਿਆਕਰਨ. ਚੰਡੀਗੜ੍ਹ:ਪੰਜਾਬ ਸਟੇਟ ਯਨੀਵਰਸਿਟੀ ਟੈਕਸਟ ਬੱਕ ਬੋਰਡ.
- 11. Elson, B. & Pickelt, V. 1969. *An Introduction to Morphology and Syntax*. California, Summer Institute of Linguistics.
- 12. Chomsky, N. 1965. Aspects of the Theory of Syntax. Cambridge. MIT Press
- 13. Verma, S. K. and Krishnaswamy, N. 1998. *Modern Linguistics: An Introduction*. New Delhi. Oxford University Press.
- 14. Isaac, Chechamma. 1974. An Introduction to the Theory of Transformational Grammar. Trivandrum. College Book House.
- 15. Raford, A. Transformational Grammar: A first course.
- 16. Radford, A. Transformational syntax.
- 17. Brown, Keith; Jim Miller (eds.) (1996). *Concise Encyclopedia of Syntactic Theories*. New York: Elsevier Science.
- 18. Carnie, Andrew (2006). *Syntax: A Generative Introduction* (2nd ed.). Oxford: Wiley-Blackwell.

## Paper X Psycholinguistics

Time: 3 hours Total Marks : 100
Pass Marks : 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- **2.** In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- **3.** The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- **4.** The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

Unit 1

Psycholinguistics: Introduction and Scope; Biological Basis of Human Language – Experimental Studies of Teaching Language to Primates; Language in Evolutionary Context

Unit 2

Models of Brain – Language Relationship; Cerebral Dominance; Lateralization and Headedness

#### Section B

Unit 3

Aphasia and its Classification; Dyslexia and its Classification; Critical Period Hypothesis

#### Unit 4

Language Disorders: Stuttering, Schizophrenic Language, Anomia, Agrammatism Language in Mental Retardation

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

#### **Suggested Readings:**

Chomsky, Noam. (2000) *New Horizons in the Study of Language and Mind*. Cambridge: Cambridge University Press.

Harley, Trevor A. (2014) *The Psychology of Language: From Data to Theory*, 4th edition. Hove, East Sussex: Psychology Press.

Lakoff, George. (1987) Women, fire, and dangerous things: what categories reveal about the mind. Chicago: University of Chicago Press.

Piattelli-Palmarini, Massimo. (ed.) (1980) Language and learning: the debate between Jean Piaget and Noam Chomsky. Cambridge, Mass.: Harvard University Press.

Pinker, Steven. (1994) The Language Instinct. New York: William Morrow.

Rayner, K. and Pollatsek, A. (1989) *The Psychology of Reading*. New York: Prentice Hall.

Scovel, Thomas (2010) Psycholinguistics, Oxford: Oxford University Press.

Steinberg, Danny D. & Sciarini, Natalia. (2006) *Introduction to Psycholinguistics 2nd edition*. London: Longman.

Field, John.(2004) Language and the Mind. Routledge.

Steinberg, Danny D., Hiroshi Nagata and David P. Aline (2001) *Psycholinguistics: Language, Mind and World.* Routledge.

Cutler, Anne, ed. 2005. Twenty-first century psycholinguistics: Four cornerstones. Routledge.

Fernández, Eva M., and Helen Smith Cairns. 2010. Fundamentals of psycholinguistics. Malden, MA: Wiley- Blackwell.

Garnham, Alan. 1985. Psycholinguistics: central topics. London: Methuen.

Gazzaniga, M. 1995. The Cognitive Neurosciences. Cambridge, MIT press.

Gilles, F. 1977. Mappings in Thought and Language. Cambridge, Cambridge University Press.

Harley, Trevor A. 2008. The psychology of language: From data to theory . Hove, UK: Psychology Press.

MacWhinney, Brian, and Elizabeth Bates, eds. 1989. The cross-linguistic study of sentence processing. New York: Cambridge Univ. Press.

Miller, J.L. and Eimas, P.D. 1995. Speech, Language and Communication. New York, Academic press.

Pinker, Steven. 1997. How the mind works. New York: Norton.

Spivey, Michael, Ken McRae, and Marc Joanisse. 2012. The Cambridge handbook of psycholinguistics. New York: Cambridge Un iv. Press.

Walker, E. (ed) 1999. Exploration in the Biology of Language. Waldron, T.P. 1995.

Principles of Language and Mind

## Paper XI Language Families

Total Marks : 100

Pass Marks: 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- **2.** In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- **3.** The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- **4.** The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

## Section A Unit 1

Language families of World, Language families of India; Areal Features of South Asia: South Asia as a linguistic Area: Phonological, Morphological, Syntactical and Morphemic Structure Rules; Reduplication.

#### Unit 2

Introduction to language families of South Asia: Indo-Aryan, Dravidian, Austro-Asiatic, Tibeto-Burman, language isolates- Burushaski, Nahali -their geographical distribution, enumeration; characteristics.

#### Section B

#### Unit 3

Indo-Aryan language family: Historical Context and Stages of Development of Indo-Aryan Languages; Sub groups and special features of Indo-Aryan languages. Classification of Modern Indo Aryan Languages.

#### Unit 4

Dravidian language family: Proto-Dravidian, Sub-groups of Dravidian, literary and non-literary languages. Special Characteristics of Dravidian languages.

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

#### **Suggested Readings:**

- 1. Emeneau, M.B. 1980. Language and Linguistic Area. Stanford, California, Stanford University Press.
- 2. Krishnamurthi, Bhadriraju. 2003. **The Dravidian Languages**. New York. Cambridge University Press. ISBN 052177110
- 3. George Cordona and Dhanesh Jain. Indo Aryan Languages
- 4. "Indo-Aryan languages". **Encyclopædia Britannica Online.** Retrieved10 December 2014.
- 5. "Dravidian languages". **Encyclopædia Britannica Online**. Retrieved10 December 2014.
- 6. Ruhlen, Merritt. (1987). A Guide to the World's Languages. Stanford: Stanford University Press
- 7. ਦਨੀ ਚੰਦ. 1959. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਕਾਸ. ਚੰਡੀਗੜ੍ਹ: ਪੰਜਾਬ ਬਕ ਸੇਂਟਰ.
- 8. ਆਤਮ ਸਿੰਘ. 1985. ਇਤਿਹਾਸਿਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ. ਚੰਡੀਗੜ੍ਹ: ਪੰਜਾਬ ਸਟੇਟ ਯਨੀਵਰਸਿਟੀਟੈਕਸਟ- ਬੱਕ ਬੋਰਡ

## Paper XII Language Typology and Language Universals

Time: 3 hours Total Marks : 100
Pass Marks : 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- 2. In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- **3.** The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- **4.** The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

Unit 1

Language Typology and Language Universals; Genetic, Areal and Typological Classification.

Unit 2

Types of Universals: Formal, Substantive, Absolute, Statistical, Implicational, Non-Implicational. Morphological types of Languages: Agglutinative, Analytical (Isolating), Synthetic, Fusional (Inflecting), Infixing and Polysynthetic (Incorporating) Languages.

#### Section B

#### Unit 3

Approaches for the Study: Inductive and Deductive Approaches. Chomsky's concept of Universals and Parametric Variation. Word Order Typology. Greenberg's Universals.

#### Unit 4

India as a Linguistic Area: Phonological and Morphological Typology, Retroflexion, Vowel Harmony, Aspiration, Reduplication, Echo Formation, Onomatopoeia, Morphological, Lexical and Periphrastic Causatives.

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

#### **Suggested Readings:**

Croft, W. 1990. Typology and Universals. Cambridge, Cambridge University Press. Shopen, T.1985. Language Typology and Syntactic Description. Cambridge, Cambridge University Press.

Mukherjee, A. 1989. Language Variation and Change. Hyderabad, Osmania University. Masica, C. 1976. Defining a Linguistic Area: South Asia. Chicago, University of Chicago Press. Malinson, G. and Blake, B.J. 1981. Language Typology: Cross Linguistic Studies in Syntax. Amsterdam, North Holland.

Shibatani, M. and Bynon, T. (eds). 1995. Approaches to Language Typology. Oxford, Clarendon. Song, J.J. 2001. Linguistic Typology, Morphology and Syntax. England, ਆਤਮ ਸਿੰਘ. 1985. ਇਤਿਹਾਸਿਕ ਭਾਸ਼ਾ ਵਿਗਿਆਨ. ਚੰਡੀਗੜ: ਪੰਜਾਬ ਸਟੇਟ ਯਨੀਵਰਸਿਟੀਟੈਕਸਟ-ਬੱਕ ਬੋਰਡ.

### Paper XIII

### Language Technology-II

Total Marks: 100

Time: 3 hours

Pass Marks: 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- **2.** In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- **3.** The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- **4.** The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### **SECTION-A**

#### Unit1

Language Technology and Computational Linguistics, History of Computational Linguistics- its relation to allied disciplines in Cognitive Science- Mathematics, Psychology, Philosophy and Artificial intelligence etc.;

#### Unit 2

Natural Language Processing in India; Corpus Building and Corpus Processing; Corpus Tagging and Tree banks, Corpus Projects: The Brown Corpus and Lancaster-Oslo Berger(LOB) Corpus; The Survey of English Usage; London-Lund Corpus of Spoken English(LLC); The Kolhapur Corpus of Indian English; the TDIL Corpus project of the DEITY.

#### **SECTION-B**

#### Unit 3

Computational Phonology: Phonological and Morphological Learning, Other Models Articulatory and Acoustic Phonetics for Speech Processing: Foundational tools APRABET, wave file formats, Phonetic Dictionary and PRAAT, Speech Synthesis.

#### Unit 4

Automatic Speech recognition, Text to Speech and Speech to Text; Computer Aided Language Teaching, HMM, Hidden Markov Model, (HMM) HMM based Speech recognition; Machine Aided Translation; Computer Aided Language Teaching.

#### **SECTION-C**

The section C will have fifteen (15) short-answer type/objective questions covering the entire syllabus.

#### **Suggested Readings:**

Allen.James.1995. Natural Language Understanding.Benjamin / Cumming.

Antworth, E.L. PC-KIMMO: A Two-level Processor for Morphological analyser.

Basu A. and U.N.Singh. 2005. Simple '05, Proceedings of Second Symposium on Indian, Morphology, Phonology & Language Engineering; Central Institute of Indian Languages, Mysore, India.

Rajapurohit, B.B. 1994. *Technology and Languages*. Central Institute of Indian Languages, Manasgangotri, Mysore.

Bird, S. 1995. *Computational Phonology: A Constraint – based approach*; Cambridge University Press.

Chaitanya, V. and R. Sangal.andAkshar Bharti.1995. *Natural Language Processing: A Paninian Perspective*. New Dehli: Prentice Hall of India.

Charniak, E.1993. Statistical Language Learning.MIT Press.

Chen, F.Jokinen, K. 2010. Speech Technology: Theory and Practice. Springer.

David G. Hays 1967. *Introduction to Computational Linguistics*. American Elsevier Publishing Company, Inc. New York

Garvin, P.L. 1963. *Natural Language and the Computer*. McGraw: Hill Book Company Inc.

Grzybek, P. 2006. Contribution to the Science of Text and Language: Word Length Studies and Related Issues. Springer.

Jurafsky, D. and J. Martin. 2008. 2nd Edition, *Speech and Language Processing*. Prentice Hall.

Manning, C. and S. Heinrich. 1999. Foundation of Statistical Natural language Processing. MIT Press.

MITKOV and NICOLOV. 1997. *Recent Advances in Natural Language Processing;* John Benjamins Publishing Company, Amsterdam/ Philadelphia.

M. A. Part I (Sem. I and Sem. II) Anth. Linguistics and Pbi. Language Syllabus for Private Candidates for Sessions 2018-19, 2019-20

Niyogi.---.The Computational Nature of Language Learning and Evaluation. Cambridge: MIT Press.

Noble, H.M.1988.. Natural Language Processing. Oxford: Blackwell Scientific Publications.

Ram.B.2000. Computer Fundamentals Architecture and Organisation. New age International Publication.

Sangal, Rajeev and Others. (ICON - 2003). Recent Advances in Natural Language Processing.

Sprot, R.1992. Morphology and Computation. Cambridge: MIT Press.

Saxena Sanjay, 2013. Introduction to Information Technology, Vikas Publication House Pvt. Ltd., New Delhi

Peter Dyson, 1994 The PC User's Pocket Dictionary, BPB Publications, New Delhi.

Gazdar, G. and Mellish, C.S. 1989 Natural Language Processing in Prolog. Massachusetts, Addisonweslay.

Grishman.R.1980 Computational Linguistics: An Introduction, Cambridge: Cambridge University Press.

Colin Beardon, David Lumsden & Geoff Holmer, 1991 Natural Language and Computational Linguistics: An Introduction. Ellis Horwood, Ltd.

Richard Sproat, 2000, A Computational Theory of Writing System, Cambridge University Press.

ਜੁਨੇਜਾ, ਜਗਮੋਹਨ ਸਿੰਘ, 2008 ਕੰਪਿਊਟਰ: ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਅਤੇ ਉਪਯੋਗ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ ਜੈਤੇਗ ਸਿੰਘ, 2014, ਕੰਪਿਊਟਰ: ਸੰਰਚਨਾ ਅਤੇ , ਮਦਾਨ ਪਬਲਿਸ਼ਰਜ਼, ਪਟਿਆਲਾ

Christopher D. Manning, Prabhakar Raghavan & Hinrich Schütze, 2008 Introduction to Information Retrieval, Cambridge University Press, Cambridge.

Martin Wynne 2005. Developing Linguistic Corpora: A Guide to Good Practice, Oxford: Oxbow Books

Michael W. Berry, 2003. Survey of Text Mining: Clustering, Classification and Retrieval, Springer Verlag.

Gerald J. Kowalski & Mark T.Maybury 2000 Information storage and Retrieval Systems, Kluwer, Academic Publishers.

Dash, Niladari Sekhar 2007 Language Corpora and Applied Linguistics, Kolkata: Sahitya Samsad Dash, Niladari Sekhar 2005 Linguistics and Language Technology: With Reference of Indian Languages, New Delhi, Mittal Publications

Dash, Niladari Sekhar 2008 Corpus Linguistics: An Introduction, New Delhi, Pearson Education, Longman

Dash, Niladari Sekhar 2002 Corpus Generation and Text Processing, International Journal of Dravidian Linguistics

Dash, Niladari Sekhar 2009 Language Corpora: Past, Present and Future, New Delhi, Mittal Publications.

## Paper XIV Research Methodology

Total Marks : 100
Time: 3 hours
Pass Marks : 35

#### INSTRUCTIONS FOR THE PAPER SETTER

- 1. Each question paper will consist of three sections A, B, and C. Section A and B will contain four questions each. The candidate will attempt two questions from each section. Each question carries 15 marks from section A and 15 marks from section B. Section C will consist of ten (10) short answer type/objective type compulsory questions covering the entire syllabus. Each question will carry four (4) marks.
- 2. In case there are parts, in a question, separate marks for each part should be indicated in the question paper.
- **3.** The paper setter should use simple and precise language while setting the question paper and should avoid the ambiguous Punjabi vocabulary. The Standard English translation of Punjabi vocabulary should be given in brackets wherever required.
- 4. The question paper should be set strictly as per given syllabus.

#### INSTRUCTIONS FOR THE CANDIDATES

- 1. Candidates are required to attempt two questions from the sections A and B each and the entire Section C is compulsory.
- 2. Candidates can attempt the questions in Punjabi, Hindi or English language.

#### Section A

#### Unit 1

Research: its Meaning, Purpose and Scope - Methods and Tools in Research - Scientific Objectivity - Inductive and Deductive Procedures. Research Methods in Social Sciences, Humanities, Language and Literature.

#### Unit 2

Stages in Linguistics and Language Research, Identifying the Problem Statement, Elaborating the Research Design, Organisation of Research, Collection, Analysis and Interpretation of Research Data: Elaborating Conclusions and Recommendations

#### Section B

#### Unit 3

The Nature of Language Data; Modes and Methods of Collecting Language Data: Introspection, Questionnaires, Interviews; Coding and Evaluating Data: Saving Data, Annotating Data; Need of Language Documentation; Sapir-Whorf Hypothesis

M. A. Part I (Sem. I and Sem. II) Anth. Linguistics and Pbi. Language Syllabus for Private Candidates for Sessions 2018-19, 2019-20

#### Unit 4

Structure and Form of a Research Paper and Presentation: Writing the Introduction and Abstract of a Research Paper, Formatting a Research Paper: Quotation, Footnotes, and Bibliography; How to Give a Good Presentation

#### Section C

The Section C will have fifteen (15) short-answer type/objective type questions covering the entire syllabus.

#### **Suggested Readings:**

Gopal, M. H. Introduction to Research procedure in social sciences.

Margerett Stracy. Methods of Research.

Cambel, W. B. Form and style in thesis writing.

Tharmalingom, N. Research Methodology. Mumbai. Himalaya Publishing House. Kothari, C. R. Research Methodology (Methods and Techniques). New Delhi.New Age International Publishers. Longcker, Ronald W. 1972. Fundamentals of Linguistic Analysis. New York. Barcourt Brace Jovanovich. Inc.

Blume, Maria and Barbara C. Lust. Research Methods in Language Acquisition: Principles, Procedures, and Practices.

Orfanidou, Eleni, Bencie Woll and Gary Morgan. 2015. Research Methods in Sign Language Studies: A Practical Guide

Robert J. Podesva, Devyani Sharma. 2013. Research Methods in Linguistics. Cambridge University Press.

Phil, Scholfield. *Quantifying Language: A Researcher's and Teacher's Guide to Gathering Language Data and Reducing it to Figures.* 1995.