

7. ECONOMICS

Microeconomics

Time : 3 Hours)
100

(Total Marks :

Unit-I: Introduction :-

1. Definition of Economics: Adam Smith, Marshall & Robins.
2. Economics Laws: nature, types, characteristics & it's comparison to Physics Laws.
3. Micro & Macro Economics: meaning, Merits & Demerits.
4. Concept of Demand & Supply, Market equilibrium.
5. Working of Price Mechanism.
6. Law of Demand: determinants factors of Demand, Geffen's Paradox, Expansion & Contraction of Demand

Unit-II: Consumer's Behavior:

1. Utility Approach: - Law of Diminishing Marginal Utility, Discussion of Cardinal & Ordinal Utility Approach.
2. Elasticity of Demand: concept & measurement of Price Elasticity of Demand.
3. Price, Income & Cross Elasticity's of Demand.
4. Determinants factor of Elasticity of Demand.
5. Indifference Curve - concept, properties & Consumer Equilibrium.
6. Price, Income & Substitution Effects of Elasticity

Unit- III: Theon of Production Costs & Investment Analsis :

1. Population Theory: Malthus & Optimum Theory of Population
2. Production: concept, features & function of Production.
3. Law of Variable Proportions.
4. Economics Regions & Optimum Factor Combination
5. Internal & External Economics and Diseconomies
6. Revenue: concept of total, average & marginal Revenue.
7. Cost: concepts of fix, variable, actual & opportunity Costs

Unit - IV: Market structure:

1. Meaning & Classification of Markets :
2. Perfect Competition: meaning and features, Price Discrimination, Firm and Industry.
3. Monopoly: determination of price under Monopoly,

equilibrium of a Firm, comparison between Competition & Monopoly.

4. MonopoliStic Competition: meaning and characteriStic, Price Determination under Monopolistic Competition.
5. Oligopoly & Duopoly: concept & features of Oligopoly and Duopoly

Unit- V: Factor Pricinl? & Welfare Economics:

1. Factor Pricing : introduction, Marginal Productivity Theory
2. Wages: concept of Money & Real Wages, exploitation of labours, Modern Theory of Wages.
3. Rent: concept, Recardian & Modem Theory's of Rent, Quasi Rent
4. Interest: concept Gross & Net Interest, Keynes Liquidity Preference Theory of Interest, Loanable Fund Theory of Interest.
5. Profit: concept, Dynamic, Risk Bearing & Innovation Theory of Profit.
6. Welfare Economics: concept,

Books Recommended:-

1. F. Benham : Economics
2. Meyers: Elements of Modern Economics
3. Stonier and Hugue : Text book of Economic Theory
4. Sen and Das: Outline of Price : Theory
5. Caimcross: Introduction to Economic Theory
6. K.K.Dewett: Modern Economic Theory
7. McConnel and Gupta: Economics
8. Joan Rubinson and Eatwell Tata: Introduction to Economics, McGraw Hill, Delhi.
9. Prof. Pimparkar & Bapat : Business Economics, Part-I, Orient Longmans (Eng.Med.)
10. अर्थशास्त्राचे सिद्धांत : ले.डॉ.आर.वाय.माहोरे,हिमालय प्रकाशन गृह.
११. सुक्ष्म अर्थशास्त्र : ले.प्रा.एच.आर.तीवारी, अद्वैत प्रकाशन, अकोला.
१२. सुक्ष्म अर्थशास्त्र : ले.डॉ.पुष्पा तायडे मंगेश प्रकाशन नागपूर.
१३. सुक्ष्म अर्थशास्त्र : ले.डॉ.ग.ना.घामटे, पीपळापुणे प्रकाशन नागपूर.

8. PHILOSOPHY

There will be One Paper of three hours duration carrying 100 marks.

A] Ethics (Indian and Western)

OR

B] General Psychology (Indian and Western)

A] Ethics (Indian and Western)

Section 'A' Indian Ethics

Unit-I A] i) Concept of Purushartha

ii) Dharma, Arth, Kama and Moksha

B] i) Sant Gadge Baba's humanism

ii) Sant Gadge Baba's concept of Karma

C] i) Doctrine of Nishkam Karmayoga in Gita

ii) Gita's Notion of swadharma and Loksangrah.

Unit-II A] i) The Vedic Concept of Rta

ii) The Vedic concept of Rna

B] Buddhist Ethics :

i) Astang Marga

ii) Nirvan

C] Jaina's Ethics :

i) Triratne and Mahavrate

ii) Liberation

D] Yoga's Ethics :

i) Yama

ii) Niyama

E] Charvaka's Ethics

i) Hedonism

ii) Dehatmavada

Section 'B' (Western Ethics)

Unit-IIIA] i) Nature of Ethics

ii) Defination of Ethics

iii) Relation to Ethics of Metaphysics, Psychology

B] The notion of Good, Right and Duty.

Unit-IVA] Object of Moral Judgement

i) Motivism

ii) Intentionism

B] Teleological Ethics:

i) Greek Hedonism

ii) Psychological Hedonism

iii) Egoistic Hedonism (Hobbes)

C] Utilitarianism

i) Bentham

a) Nature of hedonism

b) Hedonic Calculus

c) Sanctions of Morality

ii) Mill

a) Nature of Utilitarianism

b) Logical Arguments

c) Internal Sanctions of Morality.

Unit-VA] Deontological Ethics : Immanual Kant

i) Concept of Good will

ii) Categorical Imperatives

iii) Duty for its own sake

B] Theories of Punishment

i) Punishment and its justification

ii) Crime, Punishment and Capital Sentence

iii) Theory of Punishment.

a) Deterent, (b) Retributive

(c) Reformative

Books Recommended for Reference:

- 1) Mackenzie J.S. : Manual Ethics
- 2) William Lillie : Introduction to Ethics
- 3) Frankena W : Ethics
- 4) Hospers J : Human Conduct.
- 5) Prof.Dr.G.T.Maidamwar : Gadge Maharaj Manand Mission Ch. V, VII
- 6) Vasant Shirvadkar : The Wandering saint Ch.Teaching
- 7) प्रा.पां.दा.चौधरी : नितिमिमांसा
- 8) बाळ गंगाधर टिळक : गीतारहस्य
- 9) डॉ.सु.वा.बखले : नीतिशास्त्राची रूपरेषा
- 10) यदुनाथ सिन्हा : नितिशास्त्र
- 11) डॉ.बी.एम.ठाकरे : चार्वाकाचा देहात्मवाद
- 12) वेदप्रकाश वर्मा : नीतिशास्त्रके मूल सिद्धांत
- 13) श्री पांडुरंग कवडे : कर्मयोगी संतगाडगे बाबा प्रकरण 10 व १३
- 14) प्रबोधनकार ठाकरे : श्री गाडगे बाबा प्रकरण ३व ४
- 15) सुधाकर सामंत : मानवता के महान पुजारी, संत श्री गाडगे बाबा प्रकरण ९,११,१३,११
- 16) प्रा.मनोज तायडे : कर्मयोगी संत गाडगे बाबा
- 17) डॉ. विठ्ठल वाघ : डेबू

(B) General Psychology (Indian and Western)

A] Psychology and its Methods:

- Unit-I**
- i) Nature, defination and scope
 - ii) S-O-R-Formula
 - iii) Observation Method
 - iv) Experimental Method
- B]** Attention

- i) Nature and defination
- ii) Kinds of Attention
- iii) Factors of Attention (Subjective and objective)

Unit-II Learning, Thinking and Memory

- A]** Learning Process
- i) Nature and defination
 - ii) Theories of learning
 - a) Trial and Error Method
 - b) Conditional Response Method
 - c) Learning by insite
- B]** Thinking Process
- i) Nature and defination
 - ii) Creative Thinking
- C]** Memory and Forgetting
- i) Nature and definition
 - ii) Factors of Memory
 - a) Learning
 - b) Retention
 - c) Recall
 - d) Recognition
 - iii) Causes of Forgetting
 - a) Law of Disuse
 - b) Theory of Interference
 - c) Theory of Repression

Unit-III Motive, Emotion and Unconsciouness.

- A]** Motives
- i) Nature and defination
 - ii) Kinds of motives (Organic, Psychological, Social)
 - iii) Conflicts of Motive
- B]** Emotions

- i) Defination and Nature
- ii) Factors of Emotions
- iii) James Lang and Canon Bards Theory of Emotion

C] Unconsciousness:-

- i) Dream - its nature, meaning and kinds
- ii) Frued's Theory of Dream
- iii) Adler's Theory of Dream

Unit-IV A] Personality

- i) Nature and definition
- ii) factors of personality (Physical and social)

B] Yoga Psychology

- i) Astang Yoga
- ii) Yoga Sadhana

C] States of Mind

- i) Swapna
- ii) Sushupti
- iii) Jagruti

Unit-V A] Frequency Distribution

B] Measures of Central Tendency

C] IQ Method

Reference Books :

- | | | | |
|----|-------------------------------|---|----------------------------|
| 1. | General Psychology | : | Munn |
| 2. | General Psychology | : | Woodworth |
| 3. | Studies in Philosophy Vol. II | : | K.C. Bhattacharya |
| ०४ | सामान्य मानसशास्त्र | : | प्रा.र.बी.पंडीत |
| ०५ | सामान्य मानसशास्त्र | : | प्रा.र.बी.पंडीत |
| ०६ | सामान्य मानसशास्त्र | : | प्रा.गोगटे, प्रा. अकोलीकर |
| ०७ | सुगम मानसशास्त्र | : | प्रा.बोरुडे, प्रा.देशपांडे |
| ०८ | स्वप्न मिमांसा | : | प्रा.आशा परुळेकर |

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|-----|----------------------------|---|-------------------|
| ०९ | मानसशास्त्रातील त्रिमुर्ती | : | प्रा. आशा परुळेकर |
| १० | मनोविकृतीचे मानसशास्त्र | : | चे.ग. देशपांडे |
| ११. | भारतीय तत्वज्ञानाचा इतिहास | : | पी.डी.चौधरी |
| १२. | सिगमंड फ्राइड विचार दर्शन | : | साधना कामत |

9. (A) INDIAN MUSIC (VOCAL AND INSTRUMENTAL)

Time : 3 Hours)

(Full Marks : 100

Theory : 50

Practical : 45

Practical Record Book : 05

One Practical period of 45 minutes in Music shall be counted as equal to one lecture period of 45 minutes.

Notes:1. Attention of the candidates, their guardians and teachers for vacal music will be allowed.

2. Table Teachers are permitted to play on table along with candidate. If their conduct in the examination hall is not upto the satisfaction of the examiner, the examiner may disallow such person as an accompanist.

3. Each candidate must able to sing जन गण मन as approved by the Government of India and वंदेमातरम्.

4. Any one of the following instruments can be offered for examination by those who desire to take examination in Instrumental music.

(a) Violin (b) Dilruba, (c) Israj, (d) Sarangee (e) Bin, (f) Got-bin (g) Sitar (h) Sarod (i)Sanai (J) Flute or (k) Tabla.

(A) Candidate offering Sitar or Sarod should study the practice मसीदखानी in place of विलंबीत ख्याल and रजाखानी in place of द्रुतख्याल Candidates are expected to know the history of that instrument, the method of tuning it, its various parts and various technical terms in connection with the wary of playing it.

(B) Syllabus for Tabla is given separately. at the end the syllabus of all other instruments shall be the same as prescribed for vocal music. A private candidate offering

music shall be required to submit the prescribed certificate from any of the teachers /recognised,registered as competent to impart instruction in vocal Music.

5. Candidate should submit to the examiner the practical record book duly completed and counter signed by Head of the Department or Internal Examiner as the case may be of the college in which instructions are imparted in the subject.
6. Bhatkhande- System of notation will be followed.
Practical Test (Vocal or Instrumental) approximately half an hour.
7. Accompaniment of Tabla is must for practical batches.

Practical Test

(A) रागाभ्यास (Following Ragas are to be studied)

1. अल्हाया बिलावल 2. यमन 3. खमाज 4. काफी 5. आसावरी 6. भूपाली 7. देशकार 8. भैरवी.

- (a) Sargam Geet, Lakshan Geet and Drut khayal in each raga out of which at least one composition should be in Rupak & one in Zaptal
- (b) Bandish of Vilambit khayal in Raga yaman & Raga Bhoopali out of which one should be composed in Ektal & another in Trital.
- (c) One Dhrupad with Dugun and chougun and one Tarana in Saperate Ragas other than yaman & Bhoopali.
- (d) Five Swaralankar in each Raga.
- (e) Any one Patriotic Song.

(B) तालाभ्यास

- (a) Detailed knowledge of following Taals : 1) Dadra 2) Rupak 3) Trital 4) Ektaal 5) Zaptal 6) Choutal 7) Keharva.
- (b) Recognition of above taal as on Table writing and showing the above taal as in original laya and Dugun with their signs. beats and bols.

Division of Marks

(1) Practical Record Book	-	05	Marks
(2) Alankar	-	05	--"
(3) Vilambit khayal	-	04	--"
(4) Drut khayal	-	04	--"

(5) Sargam Geet	-	04	--"
(6) Lakshan Geet	-	04	--"
(7) Dhrupad	-	04	--"
(8) Tarana	-	04	--"
(9) Recognition of Raga & Swar	-	05	--"
(10) Taal	-	05	--"
(11) Patriotic Song	-	03	--"
(12) Tanpura playing	-	03	--"

B.A.Part-I (Theory)

Unit-I (8 Marks)

- 1) Theoretical knowledge of prescribed Raga, for
2) Music - Science and Art
3) Merits and Demerits of Singer.

Unit-II (9 Marks)

Notation writing of songs/ gate (Vilambit khayal; Drut khayal, Dhrupad etc)

Unit-III (9 Marks)

- 1) Writing of prescribed taals with their bols matra khand etc. 2) Writing of taals in Dugun. Tigon and chougun Recognition & completion of given taal.

Unit-IV (8 Marks)

Definitions of technical terms vis naad, shruti, Swar, Saptak, Purvang Uttarang varnas, Alankar, Vadi, Samvadi, anuwadi, viwadi, varjya, swar, vakr swar, Aalaap, taan, laya, Matra, Avartan, Taals, Kaal, Theka, Sam taali, Aaroh, Awarah, Pakad, Sthayee, Antara, sargam, Lakshan Geet, Gran, Ansh, Nyas, Raag, Thaata, Meend, Ghaseet, krintan Jamjama, khatka, Murki.

Unit-V (8 Marks)

- 1) General knowledge of following Musical compositions.
1) Dhrupad, Dhamar, khayal, Tarana, Tappa, Thumri, Hori, Chaturang, Geet, Bhajan, Gazal.
2) Contribution of following Musicals - Amir khusro Gopal Nayak, Nayak Baiju, Jaidev, Tyagraj.
3) Introduction of music its origin and scope Relation of Music with other fine arts.

Unit-VI (8 Marks)

- 1) Mathematical derivation of "72" thaatas from a saptak and 484 Raagas from one Thaata by pt. Vyankatmakhi
2) Classification of Raag according to Swar samay
१) रेघ कोमल २) रेघ शुद्ध ३) ग.नि. कोमल)

- 3) Time theory & Raag
- 4) Sandhi Prakash Raag.

Tabla

(Theory)

- Unit-I Simple History of Tabla Volution its transformation in the present from (दायाँ बायाँ) knowledge of different part of Tabla.
- Unit-II Knowledge of the following system of vocal Music. गायन-शैलियों-ख्याल, विलंबीत-द्रुत, भजन, ठुमरी, धृपद, धमार) Writing of Tals in different Layakaris.
- Unit-III Importance of Sam, Kal, Bhari, Vibhag-etc in Tal Definition of the following terms Peshkar, Kayda Laggi Ladi, Paran, Utthan, Kala Kriya, Anga, Tisra and Chatsra Jati.
- Unit-IV Solo playing- General idea and simple rules. Accompanimen General idea and simple rules.
- Unit-V Hastasadhana (हस्त साधना) Material and Method required from a good combination of both the hands and production of different bols melodiously; simple method applied to the preparation of a good hand.
A through knowledge of the Notation systems of Pt. Paluskar and Pt.Bhatkhande.
- Unit-VI Writing in notations Parans, Tukadas, Mukhadas, Mohara etc. in the prescribed Talas.

Tabla (Practical)

Thekas of the following Talas:

- Tilwada Ektal (Vilambit and Drut) Roopak, Zaptal (Vilambit)
- a. Vistar of the following Talas.
 - (i) Trital (Additional material) Two kayadas and Four Paltas, Peshkar (Simple) One Rela and Three Paltas. Three Tukadas. Three Mukhadas. Two Parans.
 - (ii) Zaptal : Roopak and Ektal: Two Kayadas, One Rela, One Paran, Three Tukadas, Three Tihais and Three Mukhadas in each of the above Talas.
 - (iii) Dadra and Iajarval

Three simple Laggis and Tihai.

- b. Playing along with "Lahara" independently at least for 15 minutes in all the above Talas. Recognizing the sum of a Tal and Song. Playimng of all the above Talas in Dugun and Trital in Chaugun Laya.

Book Recommended:

1. पंडीत वि.ना.भातखंडे: हिन्दुस्थानी संगीत क्रमिक पुस्तक मालिका भाग २ ते ४
2. पं.व्ही.एम.पटवर्धन : राग विज्ञान भाग १ ते ५
3. पंडीत वि.ना.भातखंडे : हिन्दुस्थानी संगीत पध्दती भाग २ ते ४ विष्णुशर्मा.
4. शांती श्रीखंडे : संगीत शास्त्र दर्पण १ ते २
5. महेश नारायण सक्सेना : संगीत शास्त्र भाग १ व २
6. Prof.C.H.Ranade : Hindustani Music. an Outline of its Physical and Aesthetics.
7. Bandhopadhyaya : Sitar and Marga, Part-I and II
8. Pt.Rajabhaya Poochwale : Dhrupad, Dhamar, Gayaki.
9. Dr.S.K.Kelkar : शानकोश Vol.20.
10. Dr.S.K.Chaubey : Indian Music today.
11. पंडीत भातखंडे (चतुर पंडित) लक्ष्यसंगीतम (संस्कृत)
12. Pandit Bhatkhande : A short Historical survey of Northern Indian Music.
13. Pandit Bhatkhande : A comparative Study of Indian Music of 16th 17th and 18th Century.
14. श्री कृष्णराव फुलंब्रीकर राग संग्रह भाग १ ते ३
15. Shri Vasantrao Rajopadhye : Sangit Shastra.
16. प्रा.व्ही.आर.देवधर : रागबोध, भाग १ ते ४
17. गौ.तु.पांडे : तबलाशास्त्र
18. गोडबोले : तालदीपिका.
19. संगीत कार्यालय, हाथरस : तालअंक
20. सत्यनारायण वशिष्ठ : कायदा और पेशकर
21. सत्यनारायण वशिष्ठ : तबलेपर दिल्ली और पूरब.
22. सत्यनारायण वशिष्ठ : ताल मार्तंड
23. श्री व.गो.पेंढारकर : तबला वादन, भाग १ व २
24. Dr.G.H.Tarlekar : History of Indian Musical Instruments.
25. श्री ना.वि.पंडीत : व्हायलीन (महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती मंडळ)
26. श्री अ.वि.बेडेकर : हार्मोनियम (महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती मंडळ)
27. श्री अरविंद मुळगांवकर : तबला (महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती मंडळ)

28. कै.चैतन्य देसाई : संगीत विषयक संस्कृत ग्रंथ (म.वि.ग्रं.नि.मं.)
29. बळवंतराव भट्ट : भावरंग भाग १ ते ५

Reference Book

१. डॉ.रुपा कुळकर्णी : गान सोपान
२. अभिनव गीतांजली भाग १ ते ६ रामरंग - रामाश्रय झा लिखित
३. लक्ष्मण गीते - गोविंदराव टेंभे.
४. अनुपराग विलास - भाग १ व २ पं कुमार गंधर्व
५. रसराज - पं. पी.एन.बर्वे
६. उपज आणि बंदिश - उस्ताद म.हुसेन खॉ.साहेब
७. स्वरागीनी - डॉ.प्रभा अत्रे

Note : Candidates must obtain minimum pass marks in the Theory Paper and the Practical Examination seperately.

10. HOME ECONOMICS**Family Resource Management, Housing and Interior Decoretation**

Full Marks - 100 (Theory-70 + Practical - 30)

Periods of instruction per week - Theory-4
Practical-2

Time 3 Hours for Theory
3 Hours for Practical

Objectives:-

- 1) To inroduce the students to the field of Home Economics
- 2) To creat an awareness among the students about resources and management in the family.
- 3) To provide comprehensive knowledge of housing
- 4) To provide knowledge and develop skills regarding Principles and methods of interior decoration.
- 5) To learn to apply various methods and techniques of work simplification.
- 6) To train the students for self employment.

Unit-I 1.1 Introduction to Home Economics

- 1.2 The meaning defination and branches of Home Economics
- 1.3 The scope of Home Economics.
- 1.4 Home Economics as education for life.
- 1.5 Role of Home-Economics in the moral and material programs of the nation.

- Unit-II
- 2.1 Meaning and process of Home-Management
 - 2.2 Classification and characteristic of resources
 - 2.3 Ways of improving the use of resources and factors affecting family resource Management.
 - 2.4 Defination and process of decision making
 - 2.5 Types of decision making Role of decision making in Home Management Decision tree.

- Unit-III
- 3.1 Concepts of Housing and principles of house planning
 - 3.2 Choice of site for house
 - 3.3 Internal arrangement and storage facilities in different rooms for different in come level.
 - 3.4 Lighting and ventilation in the house.
 - 3.5 House drainage and waste disposal.

- Unit-IV
- 4.1 Elements of Art
 - 4.2 Principles of Art
 - 4.3 Study of colours, classfication, dimension and efect of colour
 - 4.4. Color schemes and their use and effect in different rooms.
 - 4.5 Selection and care of different types of furniture.

- Unit-V
- 5.1 Meaning importance, principles and classification of work simplification.
 - 5.2 Techniques and improving methods of work simplification
 - 5.3 Importance and types of flower arrangement material requirment for flower arrangement application of art principles in flower arrangement.

- 5.4 Job opportunities-employment and self employment in Home Economics guiding principles for self employment.
- 5.5 Govt agency and scheme for women development.
 * Mahila Arthik Vikas Mahamandal Ltd. (MAVIM)
 * Swarajayanti Gram Swaraj Rojgar Yojana (SGSY)
 * Practical.

Practical

- 1) Class Work
- a) Selection of design pattern, thread needle and color scheme for embroidery, methods of embroidering, methods of embroidering different stitches mentioned below. Embroidering any three articles from the following using all the stitches. Articles— Apron, table cloth, Bed spread Children wear, sari, kamiz yoke lead cover, cushion cover, pillow cover, fancy bag, wall hanging scarf.
- Stiches-stem, Lazy-dazy-magic chain open work, Bulton-hole, feather, sippy Haringbone, Hedabow, Karnataki, kasuti, bullion knots, glasswork, beadwork, patch work, cross stitch, shadow work, backslitch, jardozy, Arywork.
- b) Articles of crochet-Dining set/Dressing table set.
- c) Different classes of colour and colour schemes in designs(Greeting card envelop)
- 2) Project Work
- a) Organizing demonstration on any one of the following.
 Rangols, Toy making, floral carpet, preparation of bouquet, fresh or dry flower arrangement, Making artificial flowers from different material.
- b) Arrange any one visit from the following and write report on it
- # Well constructed house
 # Woman entrepreneurs establishment
 # Exhibition cum sale.

Distribution of marks for different practicals

Practicals Marks

- a) Embroidering Sample 05
- b) Preparing crochel Sample 03
- c) Preparing colour scheme 04
- Preparing colour scheme viva 03
- Record book 03
- Class-work and Project work 12

30

For record book—

One record book shall be maintained by each student.
 Record book shall contain the followings-

- a) Method of embroidering the stitches with the help of diagrams, designs and small sample of stitches.
- b) Small sample of crochet and write the procedure of making it.
- c) Illustration of colors and colors schemes through different designs/Patterns.
- d) Report writing of demonstration and visit

The record book should be duly certified by the head of the Department of Home Economics and should be signed by the teacher after every practical and certified also .

Instraction to private candidates-

Private candidate should apply to the Principal concerned in July for the March/April sesion and pay the fees meant for practicals. They should be instructed to complete the practicals as per time table of the college.

Their record book and album should be duly signed by Head of the Department of Home Economics.

Books Recommended.

1. Goldsmith "Art in everyday life" - MacMillan, New York
2. Anna G.Ruth, "Home Furnishing, John Willy and Sons, New York
3. Deshpande R.S.-Build your own home, United book corporation, Pune
4. Deshpande R.S.-Modern Ideal houses for India, United Book

- corporation Pune.
5. Neelam and strong- Better Homes.
 6. Kathelenn Mann-Embroidery Design and stitches encyclopidia of Needle Work.
 7. Journal Needle work, Needle craft Journal inside out side.
 8. Indian journal of Home Science-Home Science. Association of India Shri Avinash Shillingam Home Science college for women coibatore (India)
 9. Rogers J- Flower Arranging.
 10. Baramusa Ramala M And Subramaniam Hema: Assistance for women's Development from National Agencies Employment Programmes, Popular Prakashan, Bombay.
 11. मुन्शी आणि जठार - गृहअर्थशास्त्र भाग-१, पिंपळापुरे एन्ड कं. पब्लीशर्स, नागपुर.
 12. लिमये क्षमा - गृहव्यवस्थापन आणि गृहकला, विद्या प्रकाशन, रूईकर मार्ग, नागपुर दुसरा आवृत्ती ऑगस्ट १९८३, तृतीय आवृत्ती १९८७.
 13. वसू आणि महाजन - आधुनिक गृहव्यवस्थापन, मंगेश प्रकाशन नागपुर.
 14. पुरब प्रभावती - भरतकला, मॅजेस्टिक बुक डेपो, मुंबई.
 15. कोकड अ.वि. अभिनय भरतकला
 16. शेरी जे.पी. गृहकला एवं गृहप्रबंध
 17. कांडलकर लिना - गृहअर्थशास्त्राची मुलतत्वे, विद्या प्रकाशन रूईकर पथ नागपुर
 18. शिवटे वैशाली, गोडसे जयश्री - सजावटीतील सप्तरंग; शिवम प्रकाशन.
 19. वसु सुनंदा मेहरे रजना - गृहव्यवस्थापन आणि आंतर सजावट
 20. फरकाडे त्रिवेणी, गोंगे, सुलभा - गृहविज्ञान विस्तार
 21. श्रीधर आशा : ऍंकर नीडल एन्ड ब्रेड, प्रकाशन मदुरा कोट्स, लि.एच ८५ , ओल्ड मद्रास रोड, पो.बॉ.न.१६००, दुरवानी नगर बैंगलोर - ५६००१६.
 22. स्वर्ण जयंती ग्राम स्वयंरोजगार योजना - मार्गदर्शक तत्वे महाराष्ट्र शासन ग्रामविकास व जलसंधारण विभाग. मुंबई.

11. SOCIOLOGY INTRODUCTION TO SOCIOLOGY

Time : 3 Hours)

(Full Marks : 100)

Unit- I Nature of Sociology

- (a) Meaning and Scope of Sociology.

- (b) Sociology as a science with humanistics Orientations
- (c) Relations of Sociology with Economics, Political Science, and Psychology.
- (d) Sociological perspective-(i) Structural Functional.
(ii) Dialectic
- (e) Sociology as a applied science
 - (i) Sociology & Social problems
 - (ii) Sociology & Social policy
 - (iii) Sociology & Development
 - (iv) Sociology & Professions.

Unit-II Basic Concepts

- (a) Society-meaning and characteristics
- (b) Community-meaning and characteristics
- (c) Social group-meaning and types-primary and secondary
- (d) Social structure -meaning and its elements
- (e) Status & Role.

Unit-III Social Institutions- meaning.

- (i) Family and Kinship-meaning, characteristics and functions.
- (ii) Religion-meaning, characteristics and functions.
- (iii) Polity-meaning, characteristics and functions.

Unit-IV Individual & Society-

- (i) Culture-meaning, characteristics and elements
- (ii) Socialisation- meaning stages and agencies.
- (iii) Social control- meanin, norms and values.

Unit-V (a) Social Stratification & mobility-

- (i) Social stratification-meaning and its functional significance.
- (ii) Social Mobility- Meaning and Types Vertical and Horizontal.
- (b) Social Change-

- (i) Meaning of social change
- (ii) Factors of social change-cultural, technological, demographic
- (iii) Processors-evolution, revolution, progress, development.

Book for Reference-

1. Bottomore, T.B. 1972, Sociology : A guide to problems & literature, Bombay: George Allen & Unwin (India)
2. Harlampos M. 1998 Sociology: Themes & perspective New Delhi, Oxford University Press.
3. Johnson Harry M 1995, Sociology- A systematic introduction, New Delhi. Allied Publishers.
4. Vidyabhushan and D.R. Sachadeo: Introduction to Sociology.
5. Kingsley Davis : Human Society.
6. समाजशास्त्र परिचय : रा.ज.लोटे, - पिंपळपुरे अॅन्ड पब्लिशर्स, नागपूर
7. समाजशास्त्राची रुपरेषा प्रा. भारू दायदार - अंशूल प्रकाशन, नागपूर
८. समाजशास्त्र - डॉ.प्रदिप आगलावे, साईनाथ प्रकाशन, नागपूर
९. समाजशास्त्र - परिचय डॉ.डी.एस.मनवर, अरुणा प्रकाशन, लातूर

General Reading

1. Encyclopedia of Social Sciences

12. PSYCHOLOGY

Time : 3 Hours)

(Full Marks : 100

1. The Examination in Psychology will comprise of one theory paper and one practical . Theory Paper shall carry 70 marks. Theory examination shall be of three hours duration. Practical examination shall be three hours duration and shall carry 30 marks.
2. There will be Five theory periods and three practical periods in a week, per batch of maximum 16 students.
3. No student will be allowed to appear for the practical examination if he/she fails to produce duly certified record book at the time of examination

4. This paper carrying a total of 100 Marks will consists of two parts.
 - i) Fundamentals of Psychology (theory): 70 Marks
 - ii) Practicals : 30 Marks.

FUNDAMENTALS OF MODERN PSYCHOLOGY**(SECTION:A)**

- Unit-I (A) Introduction:-Definition, goals of psychology, History scope of modern psychology. Methods of psychology- case study, survey, observation, experimental school of psychology Structuralism, Functionalism, Behaviourism, Gestalt, Psychoanalysis.
- (B) Biological basis of behavior: Basic units of nervous system, neuron, and synapse, transmission of neural impulse. C.N.S. structure and functions of spinal cord and brain.
- (C) Psycho-physics:-Definitions, and basic concept of psycho-physics, sensitivity, Limen. Types of limen. R.L., D.L., Errors, and P.S.E. Methods of psycho-physics:- method of minimal changes, method of constant stimuli, method of average error.
- Unit-II (A) Attention:-Definition:- Types of Attention. Subjective and objective determinants of Attention; span of attention, Division of attention, Distraction of attention.
- (B) Perception:- Definition, Factors influencing perception, perceptual organization, figure and ground, illusion and hallucination, Perceptual constancies Brightness constancy, Colour constancy. Size constancy.
- (C) Learning :- Difinition, Types of learning, Imitation, Conditioning, Verbal learning, Motor learning, Problem solving, Discrimination in learning, Transfer of training Methods of learning. Trial and Error, Insight, Conditioning.
- Unit-III A) Memory and Forgetting: Memory, Three stages of memory, Encoding, Storage, Retrieval. Short term and Long term Memory. Three ways of Testing: Retention Recall, Recognition, and Relearning.
- Forgetting:-Definition, Nature, Theories of forgetting, Interference theory, Reconstruction Theory, Decay theory.

- B) Emotion:-Definition Differences between feeling and emotion. Theories of emotion, James Lange theory, Cannon Bard theory, Cognitive theory, Physiological changes in emotion, Role of A.N.S. in emotion.

Motivation:-Definition, Motivational cycle. Types of Motives. Hierarchy of motives. Physiological motives-Social motives. Psychological motives.

Unit-IV A) Individual differences:-Heredity and Environment.

- B) Intelligence:-Defination. Role of heredity and aenvironment in the development of intelligence, Types of Intelligence. Theories of intelligence. Measurement of intelligence. History of intelligence tests. I.Q., Types of intelligence tests. Normal, Mentally retarded, Gifted person.

- C) Personality:-Nature and Defination. Biogenic and Socio-cultural determinants of personality. Trait and type approaches. Theories of personality-Freud, Carl Jung. Adler and Roger's approaches. Assesment of Personality- Personality inventories, Interview, Observational method, Projective techniques, and situational tests.

SECTION-B (STATISTICS)

Unit V (A) Nature of measurement:Categorical and continuous variable. Application of statistics in Psychology.

- (B) Frequency Distribution:Graphical representation of grouped data, Frequency polygon, Histogram Ogive.

- (C) Measures of central tendency:-Mean, Median and Mode.

Text Books:

1. Lefton L.A. (1985) Psychology. Boston Allyn & Bacon
2. Baron R.A.(1995) Psychology. The essential science. New York, Allyn & Bacon
3. Hillgard-Atkinson & Atkinson (1979) Introduction to Psychology-Harcourt Bracs, New York
4. Kegan and Haremann:- Psychology An Introduction.
5. Dr.G.D.Boaz:- General Psychology.
6. Garrett: Fundamental Statistics In Psychology And Education.
7. Lahey B.B.Psychology. An Introduction Mc-Graw Hill publishing

company Ltd.New Delhi.

8. Fernald L.D. & Fernald P.S.(1999): Introduction to Psychology : 5 th edition A.I.T.B.S.Publishers & Distributors New Delhi.

9. सामान्य मानसशास्त्र : र.वि.पंडीत

10. मानसशास्त्र : प्रा.दाभाडे, प्रा.हिरवे, प्रा.तडसरे

11. सामान्य मनोविज्ञान : प्रा.रामनाथ शर्मा

12. सामान्य मानसशास्त्र : बडगुजर, बच्छाव, शिंदे

13. शिक्षा एवं मनोविज्ञान मे सांख्यकी : गॅरेट एच.ई. ग्यारहवा संस्कारण, न्यु दिल्ली.

14. सामान्य मानसशास्त्र : कुळकर्णी, गोरे, पंडीत

Practicals (Any Ten)

Minimum two from each section i.e. from A.B.C.D., And E group.

A. Psychophysics

1. D.L.for lifted weights
2. Galton Bar
3. Colour preference - Method of paired comparison.

B) Attention and Perception.

1. Span of Attention
2. Division of Attention
3. Fluctuation of attention.

C Learning

1. Maze learning
2. Substitution learning
3. Habit Interference.

D Memory and Forgetting.

1. Recall and Recognition.
2. Memory span.
3. Rectroactive Inhibition.

E Personality, Emotion, and Intelligence.

1. Introversion- Extroversion Personality Inventory.
2. Judgement of Emotions.
3. Alexander Pass Along Test.

Note: (1) Separate Passing in Theory and Practical Examination is essential.

(2) Distribution of Marks of the Practical Exam is as follows.

[1] Record Book	5 marks
[2] Conduct of experiment	8 marks
[3] report of experiment	7 marks
[4] Viva-voce	10 marks

Total 30 marks

13. STATISTICS

(Effective from the session 2003-2004)

(Effective from the Session 2003-2004)

The examination in Statistics will comprise of two theory papers and a practical examination. Each theory paper will be of three hours duration and carry 60 marks. The practical examination will be of three hours duration and carry 30 marks. The distribution of marks for practical will be as follows :

Practical	5 marks
Viva voce	5 marks
Practical problems	20 marks
Total	30 marks

The following syllabus is prescribed on the basis of three lectures per week per paper and 6 practical periods per batch per week. Each theory paper has been divided into 5 units. There shall be one question on every unit with internal choice for each. Out of five questions three shall be of the short answer type and two shall be of long answer type. Each short answer type question should contain three to four questions each carrying not more than four marks. Long answer type questions should consist of questions each carrying more than four marks.

The college imparting instructions in Statistics should provide a

12 digit desk model electronic calculator to every student for the practical work. The calculator should not have any trigonometric, exponential, logarithmic or statistical function.

PAPER-I

PROBABILITY AND DISTRIBUTIONS

Unit-I: Important concepts in probability : Definition of probability. Classical and relative frequency approach to probability. Cramer and Kolmogorov's approach to probability. Merits and demerits of these approaches - (only general ideas be given)

Random experiment : Trial, sample point and sample space, definition of event, operations of events, mutually exclusive and exhaustive events. Discrete sample space, properties of probability based on axiomatic approach, conditional probability, independence of events, Baye's theorem and it's applications.

Unit-II: Random variables : Definition of discrete random variables, probability mass function, idea of continuous random variable, probability density function. Numerical problems on probability mass function and probability density function, illustration of random variable and it's properties, expectation of random variable and its properties, moments, variance, covariance. Chebyshev's inequality and its applications.

Unit-III: Probability generating function (if it exists), moment generating function & cumulant generating function, their properties and uses. Bivariate probability distributions (discrete and continuous), marginal and conditional distributions, stochastic independence. Standard univariate distributions and their properties : Discrete Uniform and Bernoulli Binomial distribution.

Unit IV : Discrete distributions : Poisson, Hypergeometric, Geometric Negative binomial distribution.

Unit V : Continuous Univariate distributions : Uniform, Normal, Exponential, Gamma and Beta distribution of both kinds.

References :

1. Bhat B.R. Srivenkatramana T and Rao Madhava K.S. (1997); Statistics : A Beginner's Text Vol.II, New Age international (P) Ltd.
2. Edward P.J., Ford J.S. and Lin (1974) : Probability for Statistical Decision making, Prentice Hall.
3. Goon A.M., Gupta M.K., Das Gupta B (1999) : Fundamentals of Statistics Vol.II : World Press Calcutta.
4. Mood A.M., Graybill F.A. and Boes D.C. (1974) : Introduction to theory of Statistics. McGraw Hill.
5. Brase and Brase : Understandable statistics.

6. S.C.Gupta, V.K.Kapoor : Fundamentals of Mathematical Statistics, Sultan Chand & Sons.
7. J.Medhi : Statistical methods, an introductory text.
8. Hoel P.A. : Introduction to mathematical statistics.
9. Meyer P.L. : Introduction to probability and Statistics.

PAPER-II
DESCRIPTIVE STATISTICS

Unit-I: Types of data : Concepts of statistical population and sample from a population. Qualitative and quantitative data. Nominal and Ordinal data, cross sectional and time series data, discrete and continuous data, frequency and non-frequency data. Different types of scales - nominal, ordinal, ratio and interval.

Collection and scrutiny of data : Primary data- designing a questionnaire and schedule, checking their consistency, secondary data - it's major sources, including some government publications, complete enumerations, controlled experiments, observational studies and sample surveys, scrutiny of data for internal consistency and detection of errors of recording. Ideas of cross validation.

Unit-II: Presentation of data : Construction of tables with one or more factors of classifications. Diagrammatic and graphical representation of data, Frequency distributions, cumulative frequency distributions and their graphical representation, Histogram, frequency polygon and ogive, stem and leaf chart, Box plot.

Unit-III: Analysis of Quantitative data : Univariate data, concept of central tendency. Measures of location and dispersion, absolute and relative dispersion. Skewness and Kurtosis and their measures including those based on quantiles and moments. Sheppard's corrections for moments for grouped data (without derivation).

Unit-IV: Bivariate data : Scatter diagram. Product moment correlation coefficient and it's properties. Coefficient of determination. Correlation ratio. Concept of error in regression. Principle of least squares. Fitting of linear regression and related results. Fitting of curves reducible to Polynomials by transformation, Rank correlation - Spearman's and Kendall's measures.

Unit-V: Multiple regression, multiple correlation, partial correlation in three variable.

Analysis of categorical data : Consistency of categorical data. Independence and association of attributes. Various measures of association for two-way and three-way classified data.

References :

1. Bhat B.R., Srivenkatraman T and Rao Madhava K.S. (1996) : Statistics : A Beginner's text Vol.I, New Age International (P) Ltd.
2. Goon A.M., Gupta M.K., Dasgupta B. (1999) Fundamentals of Statistics Vol.I, World Press Calcutta.
3. Croxton F.E. Cowden D.J. and Kelin S. (1973) : Applied General Statistics, Prencie Hall of India.
4. Gupta S.C., Kapoor V.K. : Fundamentals of Mathematical Statistics.
5. D.N.Elhance : Fundamentals of Statistics.
6. Spiegel, M.R. (1967) : Theory and Problems of Statistics, Schaum's Publishing Series.
7. Snedecor, G.W. and Cochran W.G (1967) : Statistical methods, Iowa State University Press.

List of Practicals :

- 1] Evaluation of probabilities using addition and multiplication Theorem.
- 2] Evaluation of conditional probabilities and Baye's Theorem.
- 3] Calculation of mean, variance, coefficient of skewness and Kurtosis for Binomial distribution.
- 4] Calculation of mean, variance, coefficient of skewness and Kurtosis for Poisson distribution.
- 5] Calculation of mean, variance, coefficient of skewness and Kurtosis for Geometric distribution.
- 6] Calculation of mean, variance, coefficient of skewness and Kurtosis for Hypergeometric distribution.
- 7] Fitting of Binomial distribution.
- 8] Fitting of Poisson distribution.
- 9] Fitting of normal distribution.
- 10] Problems on Area property of Normal Distribution.
- 11] Presentation of data by frequency table.
- 12] Diagramatic Representation of data.
- 13] Graphical Representation of data.
- 14] Calculation of measure of central tendencies : Mean, median, mode, geometric and harmonic mean.
- 15] Calculation of measures of dispersion.
- 16] Problems on skewness and Kurtosis.
- 17] Problems on product moment Correlation.
- 18] Spearman and Kendall Rank correlation coefficient.
- 19] Fitting of straight line, second degree parabola by the method of least square.
- 20] Fitting of exponential curve by the method of least square.
- 21] Problems on regression of two variable.
- 22] Problems on Multiple correlation and partial correlation.
- 23] Testing Association of Attribute by
 - i) Frequency method.

- ii) Proportion Method.
 iii) Yule's Coefficient Association.
 iv) Yule's Coefficient of Colligation.
 [Total 30 practicals]

List of equipments and instruments required for a batch of students in the Under graduate Statistics Laboratory :

1] Twelve digits desk model electronic calculator.	25
2] Biometrika tables Vol.I, Vol.II	05 each
3] Seven figure logarithmic table.	10
4] Statistical tables (compiled)	10
5] Random number tables.	10
6] A mathematical typewriter	01
7] A duplicating machine	01
8] Personal Computer	01
9] Statistical Poster and Chart	01
10] Statistical pastures and charts	01
11] Software Packages, like ststat, stat lab., SPSS/OR other useful packages may be provided in Laboratory for practical purposes.	

15. POLITICAL SCIENCE

Paper-I Indian Government and Politics

Time : 3 Hrs.

Full Marks : 100

Unit-I	A brief survey of the sources of Indian constitution including the Indian Council Act of 1909, 1919 and 1935 Formation and working of the constituent Assembly and inauguration of the Indian constitution. Salient features of the Indian constitution preamble, Fundamental Rights and Duties and the Directive Principles of state policy.
Unit-II	The Union Government: President, Vice President, Parliament Cabinet and the Prime Minister. The Supreme Court of India, its powers, functions and jurisdiction.
Unit-III	The State Government, Governor, Council of Ministers, The State Legislature, The Chief Minister. The High Court- Its powers, functions and jurisdiction.

Unit-IV	The Nature of Indian Federation, Division of powers between the union and the state. Centre, State Relations; Administrative, Legislative and Financial. National Political Parties in India and their ideologies. The Regional Political Parties in Maharashtra. The Problem of coalition politics.
Unit-V 1)	The Election Commission and the Electoral Reforms
2)	Major issues in Indian politics Viz, Caste, Religion, Languages.
3)	The Panchayat Raj System in Maharashtra, Women's participation in it.

Books Recommended

- 1) D.D. Basu: "An introduction to the constitution of India: New Delhi Prentice Hall, 1994.
- 2) A. Chanda : Federalism in India— A study of Union State Relations, London, George Allen & Irwin 1965.
- 3) Joshi G.N.: The Constitution of India.
- 4) N.C. Sahur : Coalition politics in India—Jullunder, New Academic Publishing Comp. 1971.
- 5) PyLee M.V.: Indian Constitution.
- 6) D.C. Gupta : Indian Government and Politics : Vikash Publication, Bombay.
- 7) प्रा.बी.टी.देशमुख : भारतीय संविधान
- 8) डॉ.प.ल.जोशी : भारतीय संविधान
- 9) प्रा.भ.श्रृंगारपुरे : भारतीय संविधान
- 10) प्रा.भ.पांगरेकर : भारतीय राज्यघटना, स्वरूप आणि राजकारण
- 11) डॉ.भा.ल.भोळे : भारतीय राज्यव्यवस्था
- 12) प्रा.राम मुठाळ : भारतीय राजकीय व्यवस्था (अंशुल प्रकाशन, नागपुर)
- 13) प्रा.रा.ज.लोटे : भारतीय शासन आणि राजकारण (पिंपळापुरे अँड कं पब्लिशर्स)
- 14) प्रा.बी.टी.देशमुख : भारतीय संविधान व स्वातंत्र्य आंदोलन
- 15) शांताराम भोसले : भारतीय स्वातंत्र्य आंदोलन

- १६) भारताचे शासन आणि राजकारण : प्रा.शे.हाशम, डॉ.जोगेंद्र गवई
 १७) भारतीय शासन आणि राजकारण : प्रा.डॉ. अल्का देशमुख.
 १८) भारतीय राजकारणांची संवैधानिक मिमांसा - ले. डॉ.वामन गवई.

16. PUBLIC ADMINISTRATION

State and Local Administration in Maharashtra

(From the Session 2004-2005)

- Unit I : State Government in Indian Administrative System and Pattern of Executive and Policy Formulation.
1. Historical Background : Formation of Maharashtra and the problems of integration of different regions of the erstwhile States, Constitutional status of the State Government.
 2. Executive Administrative functions of the governor, Role in emergency, Chief Minister, Council of Ministers.
 3. Legislature - Structure, Policy making and Legislative control, Important Committees.
 4. Judiciary - Structure, working and Control over Administrations, Advocate General.
- Unit-II Secretariat, Field Organization and Civil Service.
1. Secretariat Goal and Structure, Chief Secretary, Departments of General Administration, Home and finance, Directorates.
 2. Advisory Bodies and Autonomous Bodies, Machinery of Planning.
 3. Divisional and District Administration Structure, powers and Functions, District Collector.
 4. Field-Head Quarters Relations, Public Service Commission, IAS and State Civil Service, State Finance Commission, State Election Commission.
- Unit-III Local Government and Administration
1. Definition, Place and Importance, Very brief History of Local Govt. in British India, After, Independence.
 2. Zilla Parishad - Structure, Functions, Finance, Personnel and Relations with State Govt.
 3. Panchayat Samiti - Structure, Functions, Finance, Personnel and Relations.
 4. Gram Sabha and Gram Panchayat, Structure and

Functions.

5. Municipality - Area, Structure, Functions, Finance, Personnel and Relations with State Government. Municipal Corporation.

Unit-IV Office Management

1. Concept and Functions of Office, Office Services, Scientific Office Management, Duties and Responsibilities of Office Manager.
2. Record Management - Objectives, Classification, Disposal etc. Note Sheets, Features of Filing System.
3. Public Relations - Scope and Objectives, Press relations, Role of Public Relations Officer.

Books recommended :

1. Pylee : Constitutional Government of India (Selected)
2. Maheshwari, S.R. : State Government in India.
3. M.P.A. Regional Branch : Organization of Government of Maharashtra.
4. S.S.Khera : District Administration in India.
5. Maheshwari, S.R. : Local Government in India.
6. Patil, D.R. : Maharashtra Nave Panchayat Rajya (Marathi)
7. Sharma, M.P. : Local Self-Government in India (Selected)
8. Dr.Kapandnis, D.G. Panchayat Rajya Prakashan (Marathi)
9. (a) The Bombay Village Panchayat Act, 1958 (Act No.111 w.e. 1959 Amended upto date)
(b) The Maharashtra Zilla Parishad and Panchayat Samiti Act, 1961 (Act, No.V of 1962 Amended upto date).
10. George Terry : Office Administration
11. Johnson and Savage : Administrative Office Management
12. Ramchandra Singh Sagar : karyalaya Karya Vidhi (Hindi)
13. Dwivedi, Manulal : Adarsha Karyalaya Padhati (Hindi)
14. Wally, B.H. : Office Administration Hand Book
15. Sam Blace : Practical Relations
16. P.B. Patil : लोकप्रशासन (मराठी)

18. COMMUNITY DEVELOPMENT AND EXTENSION
(From 2005-2006 Session)

Time 3 Hours]

[Marks 100

- Unit-I 1. Definition, objectives, scope and philosophy of community development.
2. Processes of Community Development
a) Community Organisation-Meaning, Steps
b) Social education- Concept, Need
- Unit-II 1. Brief history of Community Development work with special reference to: i) Shriniketan ii) Sevagram iii) Ralegaon Siddhi
Project iv) Hiware Bazar Project v) Jamkhed Project vi) Hemalkasa Project.
2. Organisational and Administrative setup of community development programme in India and the responsibilities of the following.
i) National Planning Commission
ii) National Development Council
iii) State Planning Committee
iv) District Planning Committee
v) Zilla Parishad
vi) Panchayat Samiti
vii) Gram Panchayat
viii) Gramsabha
- Unit-III 1. Review of the working of Panchayat Raj in Maharashtra State
2. Meaning, Objectives and Philosophy of Extension Education
3. Compare with formal and Nonformal education.
- Unit-IV 1. Methods of Extension education, classification
2. Process of Communication; Meaning, Characteristics and Elements of Communication, Adoption of Innovation & Categories of Adopters.
- Unit-V 1. Programme Planning: Meaning, Objectives, steps in programme planning; programme evaluation; Need Types of Evaluation.
2. Duties & qualities of an Extension worker

3. Participatory Rural Appraisal Technique- Needs- Important sources, project circle.

Books Recommended

1. Village Community Projects in India — Dr. V.P. Pande
2. A Guide to Community Development— Douglas Insminger
3. Evolution of Community Development-Ministry of C.D. Cooperation and Agriculture
4. Extension & Rural Welfare— O.P. Dhama
5. Extension in Planned social change — B. Rudramurthy
6. Extension Education in Community Development—Ministry of Food & Agriculture.
7. Jamkhed— Comprehensive Rural Health Project—Dr. Mabelle & Rajanikant Arole.
8. Community Development and Panchayati Raj in India—Sugan Chand Jain
9. Community Organisation Theory & Practice— M.G.oss & Murrey.
10. समाज विकास कार्य आणि पध्दती – डलस इन्सार्मीगर
11. सामुदायीक विकास व विस्तार शिक्षण - प्रा.बा.वि.तिजारे
12. कृषी विस्तार शिक्षण पध्दती व स्थान - द.रा.जाधव
13. विस्तार प्रशासन - व.बा.जोशी /म.भ.देशमुख
14. समुदाय संघटन विकास प्रकल्प दिशादर्शन - डॉ.वसमतकर /प्रा.रुपेश कावळे
15. राळेगणसिध्दी एक कायाकल्प - अण्णा हजारे
16. प्रसार एवं ग्रामकल्याण - ओ.पी.दाहमा
17. सहकारीता एवं सामुदायीक विकास - आर.बी.उपाध्याय
18. ग्रामीण पुर्नरचना व शिक्षण - बा.कर्णिक व गोखले.

19. CO-OPERATION

(From the session 2005-06)

One Paper of 3 Hours duration :
Full Marks : 100 for written Paper.

- Unit-I :- i) Meaning & Definition of Co-operation.
ii) Characteristics of Co-operation.

- iii) Basic and General Principles of Co-operation
- iv) Importance and need of Co-operation.

- Unit-II :-
- i) Various forms of Business Organisations such as:- Sole Trader, Partnership Firms, Joint stock Company and Co-operative Society.
 - ii) Difference between Private firms and co-operative societies

Unit-III :- A brief History of Co-operative movement in India.

- i) Progress of Co-operative movement.
- ii) Advantages of Co-operative movement.
- iii) Role of Co-operative movement in rural development
- iv) Difficulties in the development of Co-operative movement.
- v) Measures to overcome the difficulties of the Co-operative movement.

Unit-IV:- Co-operative movement in foreign countries—

- i) England - Industrial Revolution and its effects, Robert Owen and Communistic Colonies,:Dr. William King Ruschadale Equitable Pioneers Society.
- ii) Germany- Development of Co-operative Credit: Raiffeisen and Schulzze Delitzsch model,
- iii) Comparative study of Raiffeisen and schulzze Societies.

- Unit-V :-
- i) Denmark- Development of Co-operative movement relating to production of agricultuare, special features of Danish Co-operative Dairy, Poultry, Cattle Breeding societies, Co-operative Bacon Society.
 - ii) Russia:- Collective farming, Labour Artels and Centrosoyus.
 - iii) Israel- Co-operative farming - Kibbutz, Moshav Onidam, Moshav olim and Moshav Shitufi.

Books Recommended:-

- 1) Theory and Practice of co-operation in India and Abrod Vol.I,II, III :- Kulkarni R.K.
- 2) Co-operation in India:- Memoria C.B. and
- 3) सहकार तत्त्व आणि व्यवहार -प्रा.ए.आर. रायखलकर, प्रा. अशोक डांगे
- 4) सहकार - प्रा. एस.डी.महाजन, प्रा.के. एम.भोसले

- 5) सहकारात सिध्दांत - डी.सु.वा.तुप
- 6) आधुनिक व्यापार संघटन - डी.कापर्डेकर आणि शेर्लेकर
- 7) सहकार - तत्त्व, व्यवहार आणि व्यवस्थापन - डॉ.गो.स.कामत
- 8) सहकार - मोहन सराफ, ना.मा.आचार्य
- 9) सहकाराची मुलतत्वे - भाग-१- प्रा.व्हि.टी.चौगुले, प्रा.के.जी.पठान
- 10.) सहकार - प्रा.मोहन सराफ.

21. FUNCTIONAL ENGLISH (OPTIONAL SUBJECT)

- syllabus : Theory and Practical
- Unit I : Phonetics
- Unit II : Applied Phonetics
- Unit III : Grammar -I
- Unit IV : Remedial Grammar-II
- Work-load : 4 lectures and 2 practicals per week
(for a batch 10 students)

UNIT -I- PHONETICS

OBJECTIVES :-

1. To familiarise the learners with the functioning of English sounds through listening .
2. To enable the learners to achieve accuracy in oral production by encouraging the use of a dictionary of pronunciations.
3. To enable the learners to achieve an optimum level of intelligibility and fluency in speech.

Course content :

- Theory :
1. Linguistics and phonetics
 2. Phonetics and phonology
 3. The Air- stream Mechanisms
 4. The Organs of Speech
 5. The Classification and Description of speech sounds : Consonants

6. Consonant clusters in English
7. Classification and Description of speech sounds.
 - (a) Vowels — Pure Vowels
 - (b) Diphthongs

Practicals :

Intensive drilling in phonetic skills.

Books Recommended.

1. A Textbook of English phonetics for Indian students.
By T. Balasubramaniam (Macmillan)
2. An Introduction to the pronunciation of English.
By : A.C.Gimson (ELBS)
3. A History of English Language and Elements of Phonetics.
By Lalitha Ramamurthi (Macmillan)
4. Spoken English R.K.Bansal and J.B.Harrison (O.L.)

Unit-II APPLIED PHONETICS

Course Content :

- Theory
1. Phonetic Transcription and International phonetic symbols.
 2. The syllable
 3. Assimilation
 4. Elision
 5. Word Accent
 6. Accent and Rhythm in connected speech.

Practicals: Practice in Phonetic Transcription, speaking and listening tasks, using a dictionary.

Books Recommended.

1. A Text Book of English Phonetics for Indian students.
By T. Balasubramaniam (Macmillan)
2. English Phonetics for Indian students (A Work Book)
By T. Balasubramaniam (Macmillan)
3. Better English pronunciation
By T.D.O Connor (OUP)
4. Advanced Learners Dictionary
(Fifth Edition OUP 1996)

- By Hornby A.S.
5. Exercises in spoken English
CIEFL
 6. Living English Speech
By standard Allen (O.L.)
 7. Course in spoken English
CIEFL Hyderabad
(A set of 21 cassettes)

Unit -III GRAMMAR

COURSE CONTENT :

1. Parts of speech
2. Nouns - a) Classes and Gender
b) Number and case
3. Adjectives
4. Use of Articles
5. Pronouns - Personal, Reflexive and Emphatic, Demonstrative, Indefinite, Interrogative, Distributive & Reciprocal Relative
6. Verbs : 1) Transitive and intransitive
2) Regular and irregular
3) Finite and non-finite
4) Linking Verbs.
7. Tenses
8. Auxiliaries - Modal Auxiliaries
9. Word formation
 1. The use of prefixes
 2. The use of suffixes
 3. Compound words.
10. Framing Questions - Question forms and Question tags.

Books Recommended.

1. Contemporary English Grammar structures and composition
David Green (Macmillan)
2. Macmillan Foundation English

R.K.Dwivedi & A Kumar (Macmillan)

3. Success with Grammar and Composition

K.R.Narayana Swami (O.L.)

4. Basic English Usage

M. Swan (OUP)

5. Macmillan Grammar, A Handbook.

E.A. Augustine, K.V.Joseph (M)

UNIT IV - REMEDIAL GRAMMAR

- Course Content
1. Preposition
 2. Reported speech
 3. Words with more than one grammatical function and meaning
 4. Synonyms and Antonyms
 5. Transformation of Sentences
 6. One word for a Group of Words.
 7. Common Errors in English
 8. Courtesy words
 9. Greetings and salutations.
 10. The use of correlatives who and whom, much and many, still and Yet, so that and so as

Books Recommended :

1. A Remedial English Grammar for Foreign students.
F.T.Wood (Macmillan)
2. Creative English for Communication
N. Krishnaswamy & T. Sriraman (Macmillan)
3. Macmillan foundation English
R.K. Dwivedi & A Kumar (Macmillan)
4. Contemporary English Grammar structures and Composition
David Green (Macmillan)
5. Learners English Grammar and Composition
N.D.V. Prasad (S. Chand)

MARKS DISTRIBUTION :

UNIT-I	:	20 marks
Unit-II	:	20 marks
Unit-III	:	20 marks
Unit-IV	:	20 marks
Theory Total	:	80 marks
Practical	:	20 marks
Total	:	<u>100 marks.</u>

(B.A.I - Examination 2003-2004)**FUNCTIONAL ENGLISH**

Distribution of Marks

UNIT - I		PHONETICS	Marks
Q.1	(A)	There shall be ONE long answer type question out of TWO	10
	(B)	There shall be one short answer question out of THREE	05
	(C)	There shall be five objective-type / multiple choice questions, one mark each	05
UNIT- II		APPLIED PHONETICS	
Q.2	(A)	There shall be two short answer- type questions out of five (five marks each)	10
	(B)	There shall be five objective type/multiple choice questions(one mark each)	05
	(C)	There shall be five short sentences for phonetic transcription (one mark each)	05
UNIT - III		GRAMMAR	
Q.3	(A)	There shall be two short answer type questions out of five on grammar (five marks each)	10
	(B)	Five questions on Grammatical exercises	05
	(C)	Five multiple choice Questions (one mark each)	05

INDEX

Sr.No.	Subject	Page Nos.
1.	Special note for information of the Students	1 to 2
2.	Ordinance No. 146	3 to 16
3.	Compulsory English	17 to 19
4.	<u>Compulsory Language</u>	
	i) Marathi	20
	ii) Hindi	20 to 22
	iii) Urdu	23 to 24
	iv) Sanskrit	24 to 25
	v) Pali & Prakrit	25 to 26
	vi) Supplementary English	26 to 27
5.	English Literature	27 to 29
6.	<u>Literatures of the Modern Languages</u>	
	i) Marathi	30
	ii) Hindi	31 to 32
	iii) Urdu	33
7.	<u>Literatures of the Classical Languages</u>	
	i) Sanskrit	34 to 35
	ii) Persian	35 to 37
	iii) Pali & Prakrit	37 to 38
8.	Mathematics	38 to 43
9.	History	43 to 46
10.	Geography	47 to 50
11.	Economics	51 to 52
12.	Philosophy	53 to 58
13.	Indian Music	58 to 63
14.	Home Economics	63 to 67
15.	Sociology	67 to 69
16.	Psychology	69 to 73
17.	Statistics	73 to 73

18.	Political Science	77 to 79
19.	Public Administration	79 to 80
20.	Community Development & Extension	81 to 82
21.	Co-operation	82 to 84
22.	Functional English (Vocational)	84 to 89
23.	General Agriculture, Principals, Natural Resources	89 to 96
24.	Early Childhood Care and Education	96 to 99
25.	Rural Handicrafts	100 to 101
26.	Rashtrasant Tukdoji Thoughts	101 to 105
27.	Yogashastra	105 to 108
28.	Library and Information Science	108 to 109

UNIT-IV	REMEDIAL GRAMMAR	
Q.4 (A)	There shall be TWO short - answer questions out of five (five marks each)	10
(B)	There shall be five questions on Grammatical Exercises (one mark each)	05
(C)	There shall be five multiple choice questions (one mark each)	05
		<hr/>
		80

**22. DRY LAND AGRICULTURE
GENERAL AGRICULTURE, PRINCIPLES,
NATURAL RESOURCES**

Note : Eligibility for the student : Must pass the 12th standard Examination with science subjects.)

Paper-I Basic Information on Dryland Agriculture & Natural Resources (40 Marks)

Unit-I: Introduction

- * Definitions - Dry farming, dryland agriculture, rainfed agriculture and concepts.
- * History of rainfed agriculture research and development, Critical appraisal of each programme (objectives, achievements and failures).
- * Dryland agriculture in India - its contribution to national economy, employment, export potential, linkage with animal wealth and environment.

Unit-II * Natural resources in rainfed agriculture (Land, Climate, vegetation, animals)

- * Various systems of dryland agriculture - mono cropping, double cropping, mixed cropping, mixed farming rotations.

Unit-III Soils

- * Soil farming, processes - soil profile, and its development, soil classification (soil taxonomy)
- * Different types of rainfed soils.
- * Soil nutrients - concepts of nutrient availability, Major and Micro-nutrients.
- * Soil physical properties - texture, structure, bulk density,

water holding capacity, physical problems (crusting, sealing, hard setting, temperature, aeration) and chemical properties -pH, CEC, Base exchange, etc.

Unit-IV * Soil and rain water conservation techniques, role of tillage, bunding vegetative barriers, in situ moisture conservation.

* Soil related problems and their management - Salinity, Sodicity, erosion vulnerability, nutritional constraints waterlogging, degradation.

* Soil fertility management - fertilizer use, crop residue management, organic and green manuring, integrated nutrient use and supply system.

Unit-V Climate

* Basic climate parameters - their diurnal & seasonal distribution.

* General circulation of the atmosphere - monsoon circulation and its importance in Indian agriculture.

* Climatic classification - agro-climatic characterisation, Length of growing season, its influence of crop choices.

* Droughts - types, intensity, delineation of drought prone areas, influence on crop production, human, livestock and on national economy - drought management strategies.

Paper-II - Importance agricultural crops and vegetation

Unit-I Important rainfed crops (40 marks)

* Important rainfed crops, their distribution, specific characteristics and requirements, concentration zones of major rainfed crops, productivity levels, strategies to raise productivity, alternative uses, processing for value addition and export.

* Grain crops : Rice, wheat, maize, sorghum, pearl millet.

Unit-II

* Pests and diseases of important agricultural crops, weeds and their management.

* Root crops.

* Perennial vegetation - forages and grasses.

Unit-III

* Pulses : Greengram, blackgram, clusterbean, pigeonpea, chickpea, soybean.

* Oilseeds : edible oilseeds : sesamum, mustard,

soybean, groundnut, sunflower, safflower, non-edible oils
: castor

Unit-IV

- * Regional distribution of plant resources (bio-diversity) relating to soil and climatic conditions - its relevance and support to animal wealth, fuel needs and non-agricultural purposes.
- * Commercially important species yielding fruits, drugs, herbs, essential oils, dyes, bio-pesticides.
- * Deforestation - problems and strategies to check it.
- * Role of vegetation in natural resource conservation
 - aesthetic value of landscape
 - environmental management
 - land degradation control
 - cropping for wastelands and management
- * Afforestation programmes
 - joint forest management
 - social forestry
 - Agroforestry

Unit-V :

Energy Management

- * Introduction to mechanisation in dryland agriculture importance, problems and possibilities.
- * Energy (draft power) availability - requirement gap for timely operations
 - energy assessment in drylands
 - human
 - animal
 - mechanical
- * Alternate sources of energy
- * Agricultural operation and choice of implements
- * Implements for field operations (designs, relevance in terms of practicability, available amenability to draft power, maintenance needs, design improvements)
 - tillage
 - seed bed preparation
 - sowing
 - fertilizer placement

- weeding and interculturing
- harvesting
- threshing
- * Storage and processing

Practicals**(20 Marks)**

- * Acquaintance with meteorological observatory, measurement of temperature, humidity, rainfall, wind speed, solar radiation, net radiation, albedo, PAR.
- * Analysis of rainfall data, identification of rainfall patterns and water balance.
- * Visit to IMD regional weather station to understand the processes of preparing weather chart, streamline analysis, pilot balloon, radio-sound.
- * Identification and description of plant species in their ecological sub-regions.
- * Soil profile studies - classification of soil, identification of problem soils and their amelioration techniques.
- * Identification of vegetation species - crops, trees, grasses and shrubs
- * Visit to rainfed areas.
- * Physical properties - particle size distribution, infiltration rate, permeability, available water, study of soil profile.
- * Chemical properties - pH, conductivity, cation exchange capacity, exchangeable basis dissolved salts.
Fertility related analysis - available NPK, secondary and micro nutrients, organic carbon etc.
Toxic substances - Boron, carbonates, bicarbonates, fluorine etc.
Testing performance efficiency of different farm machinery, design development, evaluation of indigenous and improved implements, operation and maintenance of various farm implements and machinery.

Practicals

Time : 2 Hours

Total Marks : 20

- | | | |
|----|---------------------------------------|----|
| 1. | Identification of Plant Species/Weeds | 05 |
| 2. | Soil Profile Studies by Simple Method | 05 |

3.	Meteorological observatory and Water Balance	05
4.	Practical Record/Job Training	05
		20 Marks

Books Recommended :

1. Bagchi, K.C., 1991, Drought Prone India - Problems and Prospects Vol.I and II, Agricole Publishing Academy 208, Defence Colony fly over, New Delhi.
2. Jeevananda Reddy, S., 1993, Agrometeorological Technical as Applicable to Dryland Agriculture in Developing Countries. Jeevan Charitable Trust, Plot No.6, ICRISAT Colony, Phase-I Secunderabad, A.P., India, 205 p.p.
3. Kanithkar N.V., 1960. Dry Farming in India, ICAR, New Delhi.
4. Mavi, H.S., 1994, Introduction to Agroclimatology, Oxford and IBH Publishing Company Pvt.Ltd., New Delhi. 281 pp.
5. NBSS & LUP, 1992, Agro-ecological Regions in India, Technical Bulletin NBSS & LUP. Publ. 24, Nagpur. 130 pp.
6. Somani, L.L.(Edited), 1992, Recent Advances in Dryland Agriculture Part I and II, Scientific Publishers, A-5, New Pali Road, Jodhpur.
7. Somani, L.L., (Edited), 1992. Dryland Resources and Technology, Publishers, Vols.1 to 7.
8. Sree Ramulu, U.S., 1995. Dry Farming in India, General dryland agriculture, dryland resources, technologies and various other faculty of dryland agriculture.
9. Katyal, J.C. et al., 1995, Field Manual of Watershed Management, CRIDA, Hyderabad.
10. Venkatraman, S. and Krishnan A., 1992, Crops and Weather, ICAR, Krishi Anusandhan Bhavan, Pusa, New Delhi 110 012.
11. Anon, 1972. Crop Production in Dry Regions, Vol.1 & 2, Leonard Hill Books, 158, Buchisham Place Road, London SW1W9TR
12. Sharma, B.L., 1991, Dryland Farming Perspectives and Prospectus, Daya Publishing House, 1302, Vaidware, Naisaren, New Delhi 110 006.
13. Seetharam, A., 1989, Small Millets in Global Agriculture, Oxford & IBH Publishing Co., New Delhi.
14. Gupta U.S. (Ed.) 1975. Physiological Aspects of Dryland Farming, Oxford & IBH Publishing Co., New Delhi pp.391.

15. Deb.D.L.(Ed.) 1994, Natural Resources Management for Sustainable Agriculture and Environment, Angkor Publishers (P) Ltd., 142 Venus Apartments, Inder Enclave, Rohtak Road, New Delhi 110 087.
16. Peter A.Huxley, 1983, Plant Research and Agroforestry, ICRAF, P.O.Box. 30677, Nairobi, Kenya.
17. Khosla, P.K.Puri S., and Khurana, D.K., 1986. Agroforestry System- A New Challenge, Natraj Publishers, 17, Raiput Road, Dehradun 248 001.
18. Desh Bandhu, and Garg, R.K., 1986, Social Forestry and Tribal Development, Indian Environmental Society, P.O.Box 7033., New Delhi 110 002.
19. Singh R.P. and Surendra Singh (Eds.) 1995, Sustainable Development of the Indian Arid Zone. Scientific Publishers, 5-A, New Pali Road, Jodhpur 342 001.
20. Khosla, P.K. and Khurana, D.K. 1994, Agroforestry for Rural Needs, Vol. I & II, Department of Forestry, university of Hort.& Forestry Solan H.P. 173 230.
21. Abrol, I.P. and Dhruvanarayana, V.V. 1991. Technologies for Wasteland Development. Publication and Information Division, ICAR, Pusa, New Delhi 110 012.
22. Tripathi, R.P. and Singh, H.P. 1993. Soil Erosion and Conservation, Wiley Eastern Limited, 4835/24. Ansari Road, Daryaganj, New Delhi.
23. Tandon, H.L.S. (Ed.) 1993. Fertilizer Management in Commercial Crops, FDCO, 204-204A, Bhanot Corner, 1-2 Pamposh Enclave, New Delhi 110 048.
24. Singh, R.A. 1980. Soil Physical Analysis. Kalyani Publishers, 1/1, Rajinder Nagar, Ludhiana 141 008.
25. Koorevaar, P, Menelir, G. and Dirksen, C., 1983. Elements of Soil Physics, Elsevier Science Publishers B.V.P.O. Box 211, 1000 AE Amsterdam, The Netherlands.
26. Subba Rao, N.S., 1977. Soil Micro Organisms and Plant Growth, Oxford & IBH Publishing Co., 66 Janpath, New Delhi 110 001.
27. Buol, S.W., Hole, F.D., McCracken, R.J., 1980. Soil Genesis and Classification, Oxford & IBH Publishing Co. 66 Janpath, New Delhi 110 001.
28. Keith A.Smith and Chris E.Mullins, 1991. Soil Analysis - Physical Methods, Marcel Dekker, Inc. 270 Madison Avenue,

- New York, NY 10016.
29. Keith A Smith 1991. Soil Analysis, Modern Instrumental Techniques.
 30. Nyle C.Brady, 1984, The Nature and Properties of Soils. Macmillan Publishing Company 866, Third Avenue, New York, NY 10022.
 31. Gaur A.C., Neelakanthan S., and Dargan, K.S., 1984. Organic Manures, ICAR, New Delhi.
 32. Gupta, I.C., Pahwa, K.N. and Yadav, J.S.P. 1983. Soil Salinity Research - India Bibliography. Concept Publishing New Delhi.
 33. Das P.C., 1993. Manures and Fertilities, Kalyani Publishers, Branch Office : 3.5.1108, Narayanguda, Hyderabad 500 029. A.P.
 34. Kopner, R.A., Ray Bainer, Barger, E.L., 1978. Principles of Farm Machinery (3rd Edition) AVI Publishing company, INC, Westport, Connecticut, USA.
 35. Lees, A.B., 1985. Farm Machinery, Faber & Faber Ltd., 24, Russell Square, London.
 36. Ghosh, R.K., Swain, S., 1990. Practical Agricultural Engineering, Naya Prakash, 206. Bidhan Sarani, Calcutta-6.
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 38. Bosoi, E.S., Vemiaev, O.V., Smirnov, I.I., Sultan-Shaikh, E.G., 1990 Theory, Construction and Calculations of Agricultural Machines, Vol.1 & 2. Oxonian Press Pvt.Ltd., N-56, Connaught Circus, New Delhi.
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 40. Nakra, C.P., 1980. Farm Machines & Equipments, Dhanpat Rai & Sons, 1682, Nai Sarak, Delhi, Pin-110 006.
 41. Pollizyi, G., Guidobono Cavalchini, A., Lazzari, M., 1990. Energy Savings in Agricultural Machinery and Mechanisation, Elsevier Applied Science Publishers Ltd., Crown House, Linton Road, Barking Essex IG 118 JV, England.
 42. Jain, S.C., Rai, C.R., 1980. Tractor Engineer Maintenance and Repair, Tata-McGraw Hill Publishing Company Ltd., 12/4, Asaf Ali Road, New Delhi - 110 002.
 43. George, A., Macpherson, 1975, First Steps in Village Mechanisation, Tanzania Publishing House, DAR ES SALAAM.

44. Pandey, M.M., 1981. Harvesting Hand Tools of India, CIAE, Bhopal.
45. Pandey M.M., Bohra, C.P. Maheshwari, R.C., Tomar S.S., 1983, Power Tillers & Matching Implements, CIAE, Bhopal.
46. Gite, L.P., Patra, S.K., 1981, Sowing and Fertilizer Application Equipment of India, CIAE, Bhopal.
47. Devanani, R.S., 1980. Harvesting Equipment Developed in India, CIAE, Bhopal.
48. Biswas, H.S. 1980. Weeding Tools & Implements of India. CIAE, Bhopal.

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23. EARLY CHILDHOOD CARE & EDUCATION

Time : 3 Hrs for Theory paper

Full Marks : 100

2 1/2 Hrs. for practical

Theory : 70

Practical : 30

Objectives :

1. To orient students to the field of Child Development , its nature and scope.
2. To help students to develop the knowledge base and understanding of :
 - a. Basic concepts in Child Development viz. growth, development, maturation , learning heredity, environment developmental tasks.
 - b. Principles of growth and developmental and its determinants.
3. To provide knowledge base of major areas of development = physical, motor, social, emotional, cognitive and language development .
4. To introduce students to the main methods of studying children : observations. case studies etc.
5. To understand the relationship between physical growth, nutrition and health and emphasis on the Indian context.
6. To understand nutritional needs of children (prenatal till 8 years) and methods of meeting them.
7. To understand childhood diseases, their signs, symptoms and prevention as well as programmes and strategies to support child survival and promote health in the Indian context.

Unit-I : Growth and Development

- i) General principles of growth and development.

- ii) Methods of studying children - Cross sectional and longitudinal approaches, observation and projective techniques, diary, interview, questionnaire methods.
- iii) Understanding the concepts of heredity, environment, maturation, learning the endocrine glands, nutrition, illness, accidents prematurity as factors determining development.
- Unit-II : Life in the womb, birth and neonatal period
- i) Conception and foetal development.
- ii) Prenatal care and factors affecting prenatal development.
- iii) Types of birth - Normal Caesarean, premature.
- iv) Neonatal care and development in first two weeks.
- v) Breast feeding - its importance for mother and baby, antenatal preparation, postnatal support.
- Unit - III : Physical growth, motor development and health care
- i) A brief overview of the physical and the physiological changes- height, weight & brain growth etc. Steps in motor development.
- ii) Nutritional needs of infants, weaning toddlers preschoolers, Feeding problems Diet planning at home and in institutions. Nutritional disorders, prevention and its management, Common childhood illnesses-PEM, acute diarrhoea, anaemia, immunisations Schedule. Juvenile diabetes, Viral infection.
- iii) Growth - measurement, assessment, importance and programme for growth promotion, Nutrition Rehabilitation programme SNP, midtime meals, ICDS etc.
- Unit-IV : Socio-emotional development.
- i) Different theoretical view points -
- Freud's psychoanalytic view point.
- Erikson's psychosocial stages.
- Social learning theory.
- ii) Socialization (formal & informal), agents of socialization- Family, sibling, peer group, school, culture.
- iii) Nature and types of children's emotions & factors affecting emotional development.

- iv) Helping children to acquire emotional maturity.
- v) Role of genetic and environmental factors in shaping personality characteristics.
- Unit-V : A Language and cognitive development
- i) Definition, stages of language development - preverbal, verbal and nonverbal. Relationship between language and thought.
- ii) Guiding young children's language skills with special reference to bilingual and multilingual children.
- iii) Productive and receptive language skills, speech defects - nature, causes and treatment.
- iv) What is cognition? and stages of cognitive growth, Creativity in relation to cognitive development.
- v) Concept development in young children, stages of concept development-
1. Generalization. 2. Discrimination . 3. Abstraction.

Practicals :

1. Experience in small groups
 - i) Visit to Health Care Settings
(The Students must visit at least 2 of the following programmes and make a report)
 - a. Visits to a hospital : well baby clinic, antenatal clinic
 - b. Visit to ICDS programme or any government health programme for children.
 - c. Visit to a community health centre.
 - ii) Demonstration of measurement of growth.
 - height
 - Weight
 - mid arm circumference.
 Assessing normality and identification of deviance.
 - iii) Preparation of growth charts.
By individual students to understand both normal and problematic growth patterns in young children and submit a brief report.
2. Experience for individual students.
Conducting a small sample survey on any of the following topics.
 - i) Discussion with gynaecologist to understand problems

in pregnancy.

- ii) Discussion with a paediatrician to understand problems in children's growth.
- iii) Visit to a nutrition rehabilitation centre or ICDS programme to understand a problem case and method of rehabilitation.
- iv) Supplementary feeding to children.

3. Cooking : Practical on weaning foods.

Reference Books :

- 1) Banerjee B.S. (1987) - Child development and Socialization New Delhi DEEP
- 2) Old and Pappaliya - Human Development
- 3) Berk - Human Development
- 4) Dr.J.S.Grewal - Early Childhood Education
- 5) Pramila Pandit Barooh - Hand Book on Child (with historical background)
- 6) Material prepared by -Centre for health education training and nutrition awareness "Chetna" Ahmedabad.
 - a) Child Care Kit
 - b) बाल आहार मार्गदर्शिका
 - c) Anemia Care Kit
 - d) Child Birth Picture Book
 - e) Dialogue on Diarrhoea
 - f) Breast Feeding
 - g) Child Centred health Education.
- 7) ICDS, Department of women and Child Development "Feeding Children Below 2 years.
- 8) B. Kuppaswamy - Child Behaviour and Development.

24. RURAL HANDICRAFTS
(From the session 2003-2004)

Time : 3 Hours

Marks : 100

1) 3 Hrs for Theory

Theory - 50

2) 3 Hrs for Practical

Practical-50

Objectives

- 1. To enable students to understand the history of India Rural Handicrafts.
- 2. Introduction to the traditional Handicrafts of different parts of India.
- 3. To promote the Indian Rural Handicrafts
- 4. Utilization of available raw material for decoration.
- 5. To enable the students to achieve self employment through handicrafts.

Unit-I a) Introduction to Indian Rural Handicraft.

b) Classification of Handicrafts :

Handloom textiles, Handprinted textiles, Jewellery and gems, carpets and other floor coverings, metal craft, wood work, embroidery and shawls, zari, Ivory carvings, Toys & dolls, cane, bamboos grass leaves and folk paintings.

Unit-II a) Use and preparation of toys and dolls as an educational aid.

b) Clay Modeling - Materials to be used and factors affecting selection of model and pottery making.

Unit-III Wood work -

Rajasthan - Toys and furniture, Printing blocks Kashmir Furniture (walnut)

Sharanpur (U.P.) Furniture (Wood canning) sisam, Tik

Unit-IV : Cane, Bambu, Grass & leaves and Ivory Carvings -

Cane - Bambu work of manipur, kerals, Maharashtra & Himachal Pradesh, Ivory earnings of Karnataka.

Unit-V Preparation of paper-materials to be used - Handmade articles, toys, paper bags.

PRACTICALS:-

Selection of Design, material, tools for making and Decoration of

- Toys
- Pottery
- Cane and Bambu Handicrafts
- Wood craft
- Paper Mache (Paper pulp handicrafts)

Project Work :-

- Preparation of ten articles from any the group of Handicraft.

Distribution of Marks (Practical)

- | | | |
|-----------------------------------|---|----|
| 1) Preparation of any one article | - | 20 |
| 2) Viva | - | 05 |
| 3) Project Work | - | 25 |

REFERENCE BOOKS

- Dhamija, Jasleen, Indian Folk Arts and Crafts, National Book Trust, New Delhi, 1972.
- Auboyer, J. : Daily Life in Ancient India, Asia Publishing House, 1961.
- Mookarjee, Ajit : Folk Joys of India, Oxford Book & Stationary Co., Calcutta, 1956. Craft Museum, All India Handicrafts Board, New Delhi, 1971.
- घरच्या घरी साफ्ट टॉईज - देवेन्द्र प्रभाकर रणभोर, सौभाग्य प्रकाशन, मुंबई.
- कला छंद - प्रतिभा काळे, रोहन प्रकाशन, नारायण पेठ, पुणे.
- कला तरंग - वैजयंती केळकर, उन्मेष प्रकाशन, पुणे.
- कागद आणि कलाकुसर - अ.दि.पोकळ : प्रकाशक साहित्य प्रसार केंद्र, नागपूर.
- महिलांसाठी मोलाचे उद्योग - अरुणा कौलगुड : मेहता पब्लिशिंग हाऊस, पुणे.

२५. राष्ट्रसंत तुकडोजी विचारधारा(ऐच्छिक)
(सत्र २००५-०६ पासून)

वेळ ३ तास
एकूण गुण १००

एकक १ - राष्ट्रसंत तुकडोजींचा जीवनपट :

जन्म, बालपण, शिक्षण, भक्तिप्रेरणा, काव्यसिध्दी, गृहत्याग, तपःसाधना, तीर्थाटन, धर्माचारातून समाजसेवेकडे, धर्मसेवाश्रम स्थापना, सेवाग्राम आश्रमात स्वातंत्र्ययुद्ध, सुराज्यसाधना, राष्ट्रव्यापी जनजागृती, राष्ट्रसंत म्हणून मान्यता, देशविदेशातील विश्वधर्म व विश्वशांती - परिषदेत प्रतिनिधित्व, ग्रामनिर्माण कार्य व महानिर्वाण.

- एकक २ - स्वातंत्र्यपूर्व काळातील कार्य :** देवभक्ती ते देशभक्ती, संघटन कार्य, बालसमाज व आरती मंडळ, श्रीगुरुदेव सेवामंडळाची निर्मिती, राष्ट्रजागरणाचे उपक्रम, बेचाळीसच्या क्रांतीयुद्धात, तुरुंगवास, विश्वशांती भारत दौरा, उद्योग-प्रशिक्षण वर्ग, आदिवासी-शेतकरी- शेतमजुरांत जागृती अस्पृश्यता निवारण, अंधश्रद्धा निर्मूलन, अनिष्ट रुढी उच्चाटन, यात्राशुध्दी व देशरक्षणार्थ बलोपासना.
- एकक ३ - राष्ट्रनिर्माण कार्य :** गांधी हत्येनंतर शांतिसंमेलन, बिहार दौरा, हैदराबाद मुक्तिसंग्राम, भूदान चळवळीत सहभाग, राष्ट्रभाषा प्रचारयज्ञ, लोककलावंत तथा साहित्यिकांना मार्गदर्शन, भारत सेवक समाज, विश्वधर्म व विश्वशांती परिषदेचे आंतरराष्ट्रीय नेतृत्व, गोवा मुक्तिसंग्राम, भारत साधु समाज व ग्रामोद्धार.
- एकक ४ - मानव-संसाधन विकास कार्य :** राष्ट्रीय साधनसंपत्ती व मानव-संसाधन, औपचारिक-व्यावसायिक-औद्योगिक शिक्षण व प्रशिक्षण, राष्ट्रीयता आणि मानवता, शारीरिक मानसिक आणि आत्मिक बलसंवर्धन, सत्य-सेवा-बंधुत्व प्रस्थापन, मूल्यसंवर्धक शिक्षण (मूल्ये: सौजन्य, निर्भयता, वैज्ञानिकता, श्रमत्रनिष्ठा, विधायकता, कार्यतत्परता, सहकारिता, सहिष्णुता, समता, राष्ट्रीय एकात्मता, श्रद्धाशीलता व जीवननिष्ठा)
- एकक ५ - ग्रामस्वावलंबन व ग्रामस्वराज्य :** ग्रामसभा, ग्रामराज्यातून सुराज्य, स्वावलंबी-स्वयंशासित-स्वयंपूर्ण ग्राम, ग्रामस्वराज्यास सुदृढ-स्वायत्त अशी आर्थिक- प्रशासनिक व सामाजिक सुव्यवस्था, कृषी-ग्रामोद्योग-कुटिरोद्योग, ग्रामसंपत्ती संरक्षण, न्यायपंचायत, स्वच्छता-आरोग्य-शिक्षण सुविधा व श्रमदान-समयदान सेवेद्वारे आदर्श ग्रामनिर्माण.

- संदर्भ ग्रंथ -

- मानवतेचे पुजारी राष्ट्रसंत तुकडोजी महाराज - ले.प्रा.रघुनाथ कडवे, अमोल प्रकाशन, नागपूर.
- राष्ट्रसंतांचे जीवन व कार्य -संपादक डॉ.सुभाष सावरकर मराठी जनसाहित्य परिषद, अमरावती.
- ग्रामगीता रहस्य (स्पंद १) - ले.डॉ.सुभाष सावरकर मराठी जनसाहित्य परिषद, अमरावती.

४. ग्रामगीताप्रणीत गावगणराज(स्वायत्त ग्रामशासन) -संग्राहक श्री तुकारामदादा गीताचार्य श्रीगुरुदेव आत्मानुसंधान प्रकाशन, अड्याळ (टेकडी)
५. सार्वभौम ग्रामसभा -ले.परमपुज्य श्री तुकारामदादा गीताचार्य श्रीगुरुदेव आत्मानुसंधान प्रकाशन, अड्याळ (टेकडी)
६. माझी आत्मकथा : ले. राष्ट्रसंत तुकडोजी, श्री गुरुदेव प्रकाशन गुरुकुंज
७. राष्ट्रसंत आणि स्वातंत्र्याची चळवळ लेखक, डॉ.भाऊ मांडवकर संस्कार प्रकाशन, नागपूर.
८. राष्ट्रसंत वैचारिक क्रांती -ले. डॉ.बाळ पदवाड, विजय प्रकाशन नागपूर.
९. ग्रामगीता अध्याय ६,७,८,९,१०,१६,१७,१८,२९ व ३६ लेखक राष्ट्रसंत तुकडोजी, श्री गुरुदेव प्रकाशन गुरुकुंज
१०. जीवनयोगी खंड १ ते ३ ले.सुदाम सावरकर, साहित्यप्रभा प्रकाशन, अमरावती.
११. राष्ट्रसंत समग्र गद्य वाङ्मय खंड १ ते ३ लेखक राष्ट्रसंत तुकडोजी, श्री गुरुदेव प्रकाशन गुरुकुंज.
१२. आदेशरचना लेखक राष्ट्रसंत तुकडोजी, श्री गुरुदेव प्रकाशन गुरुकुंज.
१३. सुधासिंधुकी लहरे (पूर्वाध व उत्तरार्ध) लेखक राष्ट्रसंत तुकडोजी,श्री गुरुदेव प्रकाशन गुरुकुंज.
१४. लोकराज्याकडे वाटचाल - ले. अॅड. नामदेव गव्हाळे, सौ.पुष्पाताई गव्हाळे नागपूर.
१५. राष्ट्रसंत तुकडोजीचे शिक्षण विचार - ले. डॉ.सुनन्दा जामकर, नागपूर विद्यापीठ, नागपूर.
१६. संत ज्ञानेश्वर ते राष्ट्रसंत तुकडोजी (अप्रकाशित शोधप्रबंध) ले. डॉ.सुनन्दा खेरडे, संतसाहित्य संशोधन संस्था, पुणे.
१७. संत तुकाराम संत तुकडोजी तुलनात्मक दर्शन - डॉ.राम घोडे, राजीव प्रकाशन, खामला नागपूर.
१८. राष्ट्रसंत तुकडोजी महाराज- जीवनदर्शन- ले. डॉ.जूल्फी शेख, मध्यमा प्रकाशन, जयताळा रोड, नागपूर.

बी. ए. भाग-१, भाग-२ व भाग-३ करिता
ऐच्छिक विषय : 'राष्ट्रसंत तुकडोजी विचारधारा'
परीक्षेची योजना

या विषयाच्या परीक्षेत बी. ए. भाग-१, भाग-२ व भाग-३ करिता प्रत्येकी एक याप्रमाणे एकंदर ३ लेखी प्रश्नपत्रिका असतील. यांपैकी प्रत्येक प्रश्नपत्रिका ३ तासांच्या कालावधीत सोडवावी लागेल व प्रत्येक प्रश्नपत्रिकेस एकूण १०० गुण असतील.

या विषयाच्या तासिका दर आठवड्यात ५ (पाच) होतील. वर्षभरात त्या त्या भागाच्या अभ्यासक्रमाची एकूण ५ एकके पूर्ण करावी लागतील. वर्षा अखेरीस परीक्षा होईल. लेखी प्रश्नपत्रिकेत समान गुण असलेले ५ प्रश्न असतील : त्यापैकी दोन प्रश्न दीर्घोत्तरी (एकूण ४० गुणांचे) व तीन प्रश्न लघु-उत्तरी (एकूण ६० गुणांचे) असतील. हे सर्व प्रश्न अभ्यासक्रमात नेमलेल्या ५ एककांवर-प्रत्येकी एक याप्रमाणे आधारित असतील. प्रत्येक प्रश्नाला पर्यायी प्रश्न राहिल. वस्तुनिष्ठ प्रश्न राहणार नाहीत; मात्र टिपणे/चर्चा/कारणमीमांसा या स्वरूपाचे लघुउत्तरी प्रश्न असू शकतील. लेखी प्रश्नपत्रिकेचा आराखडा सामान्यतः खाली दिल्याप्रमाणे:-

बी. ए. भाग-१, भाग-२ व भाग-३ करिता
लेखी प्रश्नपत्रिकेचा गुणनिहाय आराखडा

वेळ ३ तास
एकूण गुण - १००

सुचना : सर्व प्रश्न सोडविणे अनिवार्य आहे.

सर्व प्रश्नांना समान गुण आहेत

सर्व एककांना समान महत्त्व आहे.

प्रश्न १ : (अ) दीर्घोत्तरी प्रश्न(एकक क्र. १ वर आधारित)

किंवा

(ब) दीर्घोत्तरी प्रश्न(एकक क्र. १ वर आधारित)

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प्रश्न २ : (अ) दीर्घोत्तरी प्रश्न(एकक क्र. २ वर आधारित)

किंवा

(ब) दीर्घोत्तरी प्रश्न(एकक क्र. २ वर आधारित)

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प्रश्न ३ : लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित)

(अ) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

(ब) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

(क) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

(ड) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

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किंवा

- (क) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५
 (ख) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५
 (ग) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५
 (घ) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

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प्रश्न ४ : लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित)

- (अ) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (ब) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (क) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (ड) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५

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किंवा

- (क) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (ख) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (ग) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (घ) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५

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प्रश्न ५ : लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित)

- (अ) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (ब) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (क) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (ड) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५

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किंवा

- (क) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (ख) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (ग) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (घ) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५

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26. YOGSHAstra (OPTIONAL)**(From 2006-07 Session)**

Time : 3 Hrs.

Total Marks-100

Notes: 1. The examination in Yoga will comprise of one theory paper and one practical. Theory paper shall carry 50 Marks. Theory examination shall be of three hours duration. Practical examination shall be conducted in morning hours and shall carry 50 Marks.

- There will be two theory periods and four practical periods in a week, per batch of maximum 40 students.
- No student will be allowed to appear for the practical examination if he/she fails to produce duly certified record book at the time of practical examination.
- This paper carrying a total of 100 Marks will consist of two parts I-Theory-50 Marks II-Practicals-50 Marks.

-:Basic Principles of Yoga:-

50 Marks

- Unit-I** (a) Concept, Meaning, Definitions of Yoga
 (b) Historical Development of Yoga
- Unit-II** (a) Yama-Niyam, Asana, Pranayam of Ashtang Yoga
 (b) Pratyahara, Dharana, Dhyana, Samadhi of Ashtang Yoga.
- Unit-III** (a) Sadhak-Badhak Tatva, Pathya-Apathya, Mathika or Yogkuti, ShatKarmas, Mitahar of Hatha Yoga.
 (b) Hatyogic Asanas, Kumbhak, Bandh Mudras.
- Unit-IV** (a) 1 to 30 Sukshma Vyayam (as per Dharendra Bramhachari)
 (b) 31 to 48 Sukshma Vyayam, Sthula Vyayam and Surya Namaskar
- Unit-V** (a) Yoga in Education
 (b) Recent trends in Yoga.

Reference Books:-

- योग स्वास्थ्य कुंजी - डॉ. अरुण खोडस्कर, श्री. ह. व्या. प्र. मंडळ, अमरावती.
- आसन, प्राणायाम, बंध, मुद्रा - स्वामी सत्यानंद, बिहार योग स्कुल, मुधेर.
- योग, आसन, प्राणायाम, मुद्रायें, क्रियाएँ - विवेकानंद केंद्र, प्रकाशन.
- योग, प्रवेश व परिचय - विश्वास मंडलिक - योग विज्ञाधाम, नासिक.
- योग के सिद्धांत एवं अभ्यास - डॉ. कालीदास जोशी, डॉ. गणेश शंकर, सागर विद्यापीठ, सागर.
- योगाभ्यास - डॉ. एम. एल. घरोटे, कैवल्यधाम - लोणावळा.
- सुक्ष्म व्यायाम - धिरेंद्र ब्रम्हचारी
- पातंजल योग सूत्र - डॉ. एन. व्ही. करबेलकर - ह. व्या. प्र. मंडळ, अमरावती.
- योगिक क्रीया आरोग्याचा पाया - एस. पी. निंबाळकर, मुंबई.

PRACTICAL**TOTAL MARKS-50****SULLABUS WITH EXAMINATION SYSTEM****Sukshama Vyayam, Surya Namaskar and Asanas Marks-20**

- A) Sukshma Vyayam (1 to 24) Marks-05**
Examiner choice-2,
Candidate choice-3.
- B) Surya Namaskar - 12 cont. Marks - 05**
- C) Asanas Marks 10**
- I) Meditative poses** - i) Ardha Padmasana ii) Padmasana
iii) Vajrasana
- II) Cultural Asanas** - i) Pawan Muktasan ii) Ardha Halasan
iii) Viparit Karni iv) Bhujangasan v) Ardha Sulabhasan vi)
Vakrasan vii) Paschimottanasana viii) Yog Mudra Asan
ix) Akarna Dhanurasan x) Tadasan xi) Chakrasan
- III) Relaxtative Asanas** - i) Shavasan ii) Markarasan
i) Two Asanas by Examiner Choice - Marks 05
ii) Two Asanas by Candidate choice - Marks 05
- D) Shat Karma Marks 10**
- I) Instrumental Kriya - Jalneti, Sutraneti, Vamandhouthi,
Kunjai
1) One Kriyas by examiner choice Marks 3
2) One Kriyas by students choice Marks 3
- II) Non Instrumental Kriyas - Kapalbhathi, Uddiyana,
Agnisara, Tratak
1) One Kriyas by examiner choice Marks- 2
2) One Kriyas by students choice Marks -2
- E) Pranayam - Marks 10**
Anulome-Vilome, Surya Bhedan, Ujjai, Sitali, Sitkari
1) One type of Pranayam by examiner choice Mark-05
2) One type of Pranayam by candidate choice Marks-05
- F) Bandhas and Mudras - Marks 05**
Jalandhar Bandha, Uddiyana, Bandas Mudra, Tadagi
Mudras, KakiMudra, Brahma Mudra, Shimha Mudra.
1) One Bandas/Mudra by examiner choice - Marks 2.5
2) One Bandas/Mudra by students choice - Marks 2.5

- G) Practical Note Books - Marks 05**
Contain - only practical topics - Marks 05
Asanas, Pranayam, Shatkarmas, Sukshama Vyayam etc.

Reference Books for practicals (for B.A. I, II, III)

- १) सुक्ष्म व्यायाम - स्वामी धिरेंद्र ब्रम्हचारी, मोरारजी देसाई, योग इंस्टिट्यूट
- ६८, अशोका रोड, नवी दिल्ली.
- २) आसन - स्वामी कुवलानंद, लोणावळा
- ३) योग प्रक्रियांचे मार्गदर्शन - डॉ. एम. एल. घरोटो, कैवल्यधाम, लोणावळा.
- ४) योग आरोग्यम सुख संपदा - डॉ. अरूण खोडस्कर, श्री ह. व्या. प्र.
मंडळ, अमरावती.
- ५) दृढप्रदिपीका - स्वामी दिगांबर - कैवल्यधाम लोणावळा
- ६) घेरण्डसंहीता - स्वामी दिगांबर - कैवल्यधाम लोणावळा
- ७) शुद्धिक्रीया - प्रयोजन आणि प्रयोग - ग. द. दातार

27. LIBRARY AND INFORMATION SCIENCE**Foundation of Library and Information Science**

Full Marks - 100

Unit-I Library as Social Institution.

- Library: Concept, purpose, functions, need and importance
- Brief History and Development of Indian libraries
- Librarianship as a Profession.
- Five Laws of Library Science.

Unit-II Types of Libraries and Sections of libraries

- Types of Libraries : Academic, Public, Special and National

Unit-III Physical Structure of Library .

- Building
- Equipment
- Furniture

Unit-IV Library Collection.

- Documents: Concept & Definitions
- Types of Documents : Primary: Secondary, Tertiary

Unit- V Public Relation and Extension Activities.

- Definition

- Facets and Programmes
- Role of Library in formal and informal education.
- Publicity and Extension Activities.

Recommended Books-

1. Rangnathan S.R. Five Laws of ...ibrary Science, Madras Library associatio, Madras 1967
2. Vishwanathan .C.G. Introduction of Public library with special reference to India. 2nd ed. Asia Publishing House, Bombay 1961. .
3. Khanna IK. Fundamentals of Library organisation Ess Ess publications, Delhi 1984.
4. Krishna Kumar: Library organisation, Vikas Publishing.
5. Mitthal: Library administration: Theory and practice. 5th ed. Metropolitan book Co. New Delhi, 1987.

NOTIFICATION

No. : 78 / 2009

Date : 21/5/2009

Subject :- Continuation of Prospectus No. 07111 of B.A..Part-I for 2010 Examination.

It is notified for information of all concerned that the Prospectus No. 07111 prescribed for B.A. Part-I 2009 examination shall continue for B.A.Part-I examinations of 2010 with following corrections.

Sr. No.	Reference in prospectus No. 07111 of B.A.Part-I	Corrections / Deletions / Additions/ Substitutions.
1.	2.	3.
1.	Compulsory English Page No. 16 & 17	The syllabus for the subject Compulsory English Printed on Page No. 16 & 17 be substituted by the revised syllabus as given in Appendix-A appended herewith
2.	English Literature Page No. 25 to 27	The syllabus for the subject English Literature Printed on Page No. 25 to 27 be substituted by the revised syllabus as given in Appendix-B appended herewith
3.	Compulsory Sanskrit Page No. 22 & 23	The syllabus for the subject Compulsory Sanskrit Printed on Page No. 22 & 23 be substituted by the revised syllabus as given in Appendix-C appended herewith .
4.	Sanskrit Literature Page No. 32 & 33	The syllabus for the subject Sanskrit Literature (optional)Printed on Page No. 32 & 33 be substituted by the revised syllabus as given in Appendix-D appended herewith .
5.	Persian Literature Page No.35	In the syllabus for the subject Persian Literature (optional) Printed on Page No. 35 contents of Q.No.5 be substituted by the following lines. Q.No.5 :- Three objective type questions of five marks each.

6. History
Page No. 42
 7. Economics
Page No.51 & 52
 8. Political Science
Page No. 78
 9. Sociology
Page No. 68.
 10. Geography
Page No.46 to 50
- In Unit-I, sub para -6 , Unit-II, sub para -5 & Unit-III, sub para -3 be deleted
The syllabus for the subject Economics Printed on Page No. 51 & 52 be substituted by the revised syllabus as given in **Appendix-E** appended herewith. The Reference Books printed on Page No. 52 shall be continued as it is .
Add the following figures signs and title of the books after Sr. No. 17 in the list of Reference Books” .
18. भारतीय राजकारणाची संवैधानिक मिमांसा
-लेखक : डॉ.वामन गवई
Add the following figure, sign and title of the book after Sr. No 9 “ General Reading”
1. Encyclopedia of Social Sciences.
The syllabus for the subject Geography Printed on Page No. 46 to 48 be substituted by the revised syllabus as given in **Appendix-F** appended herewith. The “Books Recommended” printed on Page No. 49 & 50 shall be continued as its is.

Sd/-
(J.S.Deshpande)
Registrar