

राजस्थानी

परीक्षा योजना

समय

पूर्णांक

न्यूनतम उत्तीर्णांक : 72

200

प्रथम प्रश्न-पत्र

3 घंटे

100

द्वितीय प्रश्न-पत्र

3 घंटे

100

प्रथम प्रश्न-पत्र-अंक विभाजन

1. प्रथम प्रश्न-पत्र में पांच प्रश्न होंगे। कुल 100 अंकों का प्रश्न होगा।
2. प्रत्येक पाठ्यपुस्तक से कम से कम एक-एक व्याख्या करनी होगी। (3×12=36)
3. दोनों पुस्तकों में प्रत्येक से एक-एक आलोचनात्मक प्रश्न होगा। कुल तीन प्रश्न।
(3×15=45)
4. अंतिम प्रश्न निम्नलिखित तीन भागों में विभक्त होगा—
(क) राजस्थानी भाषा में अनुवाद—7 अंक

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Syllabus B.A. Part-I

(ख) हिंदी से राजस्थानी भाषा में अनुवाद—7 अंक

(ग) राजस्थानी कहावतें अर्थ एवं प्रयोग—5 अंक

पाठ्य पुस्तकें :

1. राजस्थानी कहानियाँ—सम्पा. रावत सारस्वत, प्रेम जी प्रेम : प्रकाशक साहित्य अकादमी, रवीन्द्र भवन, नई दिल्ली। इस पुस्तक में से निम्नलिखित क्रम संख्या वाली 14 कहानियाँ 1, 9, 10, 12, 13, 14, 15, 16, 18, 20, 22, 23 तथा 28।

2. जयपुर की ज्योणार, ले. मदनमोहन सिद्ध (खण्ड एक से तीन) : प्रकाशक श्री सिद्ध हिन्दी प्रचारक कार्यालय जयपुर।

संदर्भ ग्रंथ

1. आधुनिक राजस्थानी साहित्य : प्रेरणा स्रोत और प्रवृत्तियाँ; लेखक डॉ. किरण नाहटा प्रकाशक चिन्मय प्रकाशन, चौड़ा रास्ता, जयपुर।
2. राजस्थानी गद्य साहित्य : उद्भव और विकास : लेखक डॉ. शिवस्वरूप अचल, प्रकाशक : शार्दूल राजस्थानी रिसर्च इंस्टीट्यूट, बीकानेर।
3. राजस्थानी गद्य शैली का विकास : डॉ. रामकुमार गर्वा, प्रकाशक देवनाम प्रकाशन, जयपुर।

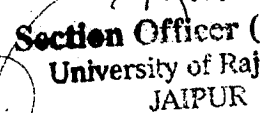
राजस्थानी द्वितीय प्रश्न-पत्र-राजस्थानी काव्य

अंक विभाजन—इस प्रश्न-पत्र में पाँच प्रश्न होंगे।

1. प्रत्येक पुस्तक से एक-एक व्याख्या। कुल तीन व्याख्या। (3×12=36)
2. प्रत्येक पुस्तक से एक-एक आलोचनात्मक प्रश्न।
(कुल तीन प्रश्न) (18+18+16=52)
3. अलंकार : वैयाण सगाई, उपमा, रूपक, उत्प्रेक्षा यमक, श्लेष।
4. छंद : दूहो, सोरठो, छप्पय, वेलियो।

संदर्भ ग्रंथ :

1. प्राचीन काव्यों की रूपक परम्परा-सम्पादक अमर चंद नाहटा, प्रकाशक भारतीय विद्या मंदिर शोध प्रतिष्ठान, बीकानेर।
2. अलंकार पारिजात—नरोत्तमदास स्वामी।
3. रघुनाथ रूपक गीता रो—महताबचन्द खारेड, प्रकाश नागरी प्रचारिणी सभा वाराणसी।
4. राजस्थानी साहित्य—एक परिचय प्रकाशक नवयुग ग्रंथ कुटीर, बीकानेर।


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28. SHEEP AND WOOL

(To be offered by the collegiate students of Shri B.D. Todi
College, Lakshmangarh, Sikar only)

Scheme :

Min. Pass Marks 48

Max. Marks 132

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Paper-I	3 hrs. duration	Max. Marks 66
Paper-II	3 hrs. duration	Max. Marks 66
Min. Pass Marks 24	4 hrs. duration	Max. Marks 68

Practical

Paper-I : Elements of Sheep Husbandry

Livestock population in Rajasthan, India and place of sheep in rural economy of Rajasthan with particular reference to the area.

Historical background of the origin of sheep. Asiatic classification of the world sheep. Important breeds of Indian sheep particularly of Rajasthan.

Regionalisation of sheep in India.

Anatomical and Physiological aspects- Salient features of the skeletal, digestive, reproductive, respiratory, endocrine system etc.

Physiological : Carbohydrate, Protein, Fat-metabolism.

Sheep : Management of flocks, sheepcare (different stages), housing, feeding etc.

Paper-II : Elementary Sheep Production

General Management : Counting, docking, castration, branding, tagging, tattooing, weaning, aging, classifying, cutting.

Breeding Management : Case of pregnant ewes, new born lambs, and breeding rams.

Shearing Management : Time of shearing, washing, grading, packing, storage, shearing shed equipment and management.

Health Management : Drenching, dipping, vaccination, spraying, mouth wash, foot bath, segregation, care of sick sheep.

Farm Records : Feeding breeding health, production and their maintenance.

Wool Science : Definition of wool terms 'primary grading' physical and chemical properties of wool.

Types of Fibre : Comparison wool fibre with hair and textile fibre.

Practical :

Syllabus : M.in Pass Marks-24 Max pass M. 68

1. Recognition of different breeds of sheep, local and state of Rajasthan, with reference to salient features of difference and utility of their products.

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Syllabus B.A. Part-I

2. Study of sheep skeleton.
3. Salient features of digestive organs, respiratory and reproductive organs (male and female)
4. General Management of sheep : Housing (different types of housing, floor area required etc.) Open and closed by stem of housing paddock and sheep. Yards, housing of different categories of sheep.
5. Farm equipments viz. feeding and watering thoughts shearing machines, weighting machines, hoof-pareara, castrating equipment drenching and dosing equipments, branding and tagging equipments etc.
6. General sheep management practices : Identification of animals, ear-tagging etc. Handling and securing of sheep, again by dentition, tagging hoof paring crutching and castration of sheep. Drenching, dosing and dipping of sheep, washing and shearing (hand shearing). Preparation of sheep (both male and female) for breeding purposes. Natural and artificial breeding of sheep viz. use of breeding harness. Collection and insemination seman.
7. Lambing practices and rearing of young ones; Care and management of ewes at lambs and growing stock. Use of foot-bath and mouthwash.
8. Wool Science : Physical Properties of wool including microscopic study comparing it with hair and artificial fibers, Primary grading of wool; Microscopic study of fibers.

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29. LIV STOCK AND DAIRYING

(To be offered by the Collegiate Students of Shri Pragya Mahavidyalaya, Bajaj Nagar and Government College, Rajgarh).

Scheme :

Min. Pass Marks 48		Max. Marks 132
Paper-I	3 hrs. duration	Marks 66
Paper-II	3 hrs. duration	Marks 66
Practical		
Min. Pass. Marks 24	4 hrs. duration	Marks 68

Paper-I : Principles of Animal Husbandry and Livestock Management

1. Livestock population of India with special reference to Rajasthan. Distribution of different categories of livestock according to

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Syllabus B.A. Part-I

the agroclimatic conditions of the state.

2. Contribution of animal and animal products in the economy of Rajasthan.

3. Characteristics of the following breeds of Livestock. Cattle Tharparker, Hariana, Gir, Nagauri, Rathi, Mewati, Shahiwal, Melvi, Jirsey, Hostein, Freisian, Red dane.

Buffallows—Murrah, Surti, Mehsana.

Goats—Sirohi, Alwar, Barbari, Jamunapuri, Beotal, Marwari.

Sheep—Sonodi, Chokia, Bikaneri, Marino, Rambouillet Camel-Rid Dmcru.

Popultry-Phode Island Red, White, Leg Horn, wyite Roe.

4. Outline of anatomy of cattle and buffallows. Body Temperature, respiration and pulse rate.

5. Housing of Livestock, location, site sign construction. Arrangement / Groupings of different buildings.

6. General care of the animals grooming exercise bathing observation of oestrus, service care during pregnancy and at parturitlion, drying off.

7. Care of newly born calf. Marking, dooming, castration.

8. Important points for the management of bulls, goat, sheep and pouilly.

9. Livestock farm equipment, sanitarp requirements, disposal of animal water.

10. Familiarity with common ailments and diseases of farm animals wounds. Navel ill, prolaose of natural and vagina; bloat, impaction, scour phenomena, mastits, milk fever. Anthrax, FMD, HS, RP, Black quarter, Enterotoximea, piarrhoea. Common external and internal parasites.

11. Maintenance of farm records.

12. Government Assistance and facilities available for Livestock.

Paper-II Principles of Feeding and Breeding Livestock

1. Digestive system of ruminants and its peculiarities.

2. Physiological role of good nutrients, their digestion, importance of scientific fooding.

3. Nutritional requirement of farm animals for different purposes.

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4. Common feeds and fodder and their nutritive value, Characteristics of ideal ration.
5. Feeding pregnant, lactating animals, breeding bulls and bullocks.
6. Production of different types of grasses and forage, making of hay and silage.
7. Preparation of cheese balanced ration for milk production.
8. Feeds supplements and additives.
9. Importance of scientific breeding system of breeding.
10. Male and female reproductive system, development of organs and their function, role of economic glands.
11. Signs of heat and time of breeding.
12. Natural service and artificial insemination, infertility in livestock.
13. Diagnosis of Pregnancy.
14. General hints on selection, score card, performance, pedigree and history sheets, culling.
15. Maintenance of breeding records.

Practicals

Min. Pass Marks 24 4 hrs. duration Max. Marks 68

1. Study of external parts of animal, handling and securing of animals hoof training.
2. Castration, dehorning, marking and throwing.
3. Determination of body, weight and age.
4. Recording of temperature, pulse and respiration of animals.
5. Administration of medicines through different routes.
6. Communication of ration, blending food preparation of hay and silage.
7. Diagnosis of common ailments and first aid.
8. Collection of semen and artificial insemination.
9. Judging of animals on the basis of score card.
10. Washing dairy utensils, milking of animals.
11. Cleaning and disinfection of dairy sheds.
12. Working out the building requirements for different animals.

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. ANTHROPOLOGY

Scheme :

Min. Pass Marks	72	Max. Marks	200
Paper-I	3 hrs. duration	Marks	100
Paper-II	3 hrs. duration	Marks	100

Note : The paper will contain nine questions, having three questions in each section. Candidates are required to attempt five questions in all selecting at least one question from each section.

Paper-I Foundations of Anthropology

1.1 Meaning and scope of Anthropology, History of Anthropology, Branches of Anthropology (a) Social-Cultural Anthropology (b) Physical-Biological Anthropology, (c) Archaeological Anthropology, (d) Linguistic Anthropology.

1.2 Relationship with other disciplines : Life Sciences, Earth Sciences Medical Sciences, Social Sciences, Humanities, Environment Sciences.

1.3 Fundamentals in Biological Anthropology, (a) Human Evolution, (b) Human Variation, (c) Human Genetics, (d) Human Growth and Development.

1.4 Fundamentals in Social-Cultural Anthropology

(a) Culture, Society, Community, Group, Institution

(b) Human Institutions : Family, Marriage, Kinship, Religion.

(c) Development and Change

(d) Research Methods : Tools and Techniques

1.5 Fundamentals in Archaeological Anthropology

(a) Tool typology & technology

(b) Cultural Evolution : Broad outlines of prehistoric culture

(c) Chronology

1.6 Fundamentals in Linguistic Anthropology

(a) Written and Unwritten language

(b) Speech, language and dialect

(c) Semantics and Lexicon

(d) Phonetics and Phonemics

(e) Morphemics and Syntax

7. Sociolinguistics

Paper-II Anthropology of Cultural Region

1. Cultural Regions of Rajasthan : Mewar, Marwar, Dhoondar, Haroti, Mewat, Brij and Wagad.
2. Principle Tribe : Bhil, Garasiya, Saharia, Gadolia Lohar, Meena.
3. Pilgrimage Center's Fairs and Festivals : Pushkar, Ajmer, Nathdwara, Ramdevji, Tejaji, Veneshwar, Kailadevi, Goga medi, Teej, Gangaur etc.
4. Rural Development Programmes and Panchayati Raj.

Reading Recommended

1. B.R. Chauhan : Rajasthan Village.
2. Jai Singh Neeraj (ed) : Rajasthan Ki Sanskriti Paramparayan (Hindi)
3. G.N. Sharma : Rajasthan Ka Sanskritic Itihas (Hindi)
4. Jawaharlal Handoo (ed) : Folklore of Rajasthan.
5. S.L. Doshi : Rajasthan Ki Janjatian (Hindi)

31. DRAMATICS

Note : An applicant shall be allowed to offer Dramatics as one of his/her optional subject only after having been declared successful in the audition text given by the Head of Department of Dramatics of the Institution concerned in oral given exercises and/or written form. The audition test shall be based on the applicants aptitude for acting, speech, Sense of Rhythm, Music and general awareness for theatre.

Scheme :

Theory	Duration	Max. Marks	Min. Pass Marks
Paper I	3 hours	50	18
Paper II	3 hours	50	18
Practical			
Paper I	4 hours	50	18
Paper II	4 hours	50	18

Theory :

Paper I : History of World Theatre

- I. Evolution of Theatre as Art Form
- II. Influences and Relationship with other art forms
- III. History of World Theatre with special reference to :

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- a. Greek Theatre
- b. Medieval Theatre
- c. Elizabethan Theatre
- IV. Renaissance Theatre and other art forms
- V. Origin and development of Indian Theatre with reference to :
 - a. Pre-Vedic period
 - b. Post-Vedic Period (up to Natyashastra)
- VI. Introduction to Yoga and its importance for theatre arts

Books Recommended :

1. Natyakala Ke Teen Sahastra Varsh - Sheldon Chenny (Tr. Sitaram Chaturvedi)
2. History of Theatre- Oscar Brockett

Paper-II : Modern Indian and Regional Theatre

- I. Emergence of Modern Indian Drama
- II. Various Social Movements and their impact on theatre with reference to :
 - a. Theosophical Society
 - b. Brahmo Samaj
 - c. Arya Samaj
- III. Indian Freedom Struggle and its impact on theatre
- IV. Growth of Commercial Theatre in India with reference to Parsi Theatre.
 - V. People's Theatre Movement
 - VI. Post Independence Period
 - a. Study of major playwrights : Mohan Rakesh, Dharmavir Bharti, Vijay Tendulkar, Badal Sarcar, Girish Karnad.
 - b. Study of major organisations and institutions : Sangit Natak Akademies, National School of Drama and others.
 - c. Basic topographical study of theatre auditorium.
 - VII. Study of major regional and folk theatre forms and styles: Nautanki, Khyal, Tamasha, Yakshagan, Kuduyattam.

Books Recommended :

- I. Bhartiya Rangmanch Ka Udbhav Evam Vikas- Dashrath Ojha
- II. Bhartiya Rangmanch Ka Itihas- Dr. Agyat

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III. Bhartiya Lok Natya Parampara- Dr. Kapila Vatsyayan

IV. Rand Darshan- Nemi Chand Jain

Practical- Paper I : Applied Theatre Practice

I. Practice of 15 Yogic Asanas

II. Practice of Mime and Movement Exercises

• III. Submission of workbook.

Practical- Paper II : Applied Theatre Practice

I. Practice of Acting Improvisations

• II. Production of short plays

III. Acting assignments

PHYSICAL EDUCATION

Physical education Course shall consist of two theory paper's each of 3 hours duration carrying 60 marks each (Total 120 marks) and practical examination carrying 80 marks (Two games & sports 40 marks each). A candidate shall have to secure 36% marks separately in theory and practical to pass the examination.

Note : Each theory paper will have ten questions, two from each of the five units. Candidates shall be expected to answer one question from each unit.

Scheme :		Total Marks
Pass Marks		
Paper I History of Physical Education	60	22
Paper II Foundations of Physical Education	60	22
Practical (Games & Sports)	80	28
Total	200	72

Paper-I History of Physical Education

Unit I: 1. Definition of Physical Education—its meaning and importance Misconception about Physical Education.

2. Aims and objectives of Physical Education.

Unit II: 1. Physical Education in Ancient India.

2. Physical Education in the city states of Greece.

Unit III: 1. Survey of Modern Physical Education in India.

(a) Physical Education and sports Training Institutions in India.

(b) Sports Authority of India.

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(c) Arjuna Awards, Dronacharya Awards, Maulana Abdul Kalam Azad Trophy, National Sports scholarship.

Unit IV: Ancient & Modern Olympic Games : Start of Olympics, Objectives of Olympic, Olympic Moto and Flag, Olympic Charter, Opening and closing ceremonies.

Unit V: Contribution to the growth of Physical Education by leaders and movements.

(i) Turnverin Movement, Y.M.C.A. and its contribution U.S.S.R. Physical Education in school, the sport kind.

(ii) Contribution in India : G.D. Sondhi, Raj Kumari Amrit Kaur, Dr. P.M. Joseph, Shri H.C. Buck.

Books Recommended

1. Leonard, Field Engenè and Affleck George B : Guide to the History of Phy. Education, Philadelphia : Leo & Febiger : 1962.
2. Rice Emmett. A. Hutchinson John L and Loc Marbal : A brief history of Physical Education, New York. The Renold Press Company 1960.
3. Rajgopalan K.A. : Brief History of Physical Education in India, Delhi Army Publishers-1962.
4. Krishna. J Ram N. Farmeshwar : Educational Dimensions of Physical Education, New Delhi, Sterling Publications 1980.
5. Singer, R.N. (ed) : Physical Education : Foundations, New York: Hall Rinehart & Winston.
6. Khan Eraj Ahmed : History of Physical Education, Scientific Book Co. Patna.
7. कंवर रमेश चन्द : शारीरिक शिक्षा के सिद्धांत व इतिहास, अमित ब्रदर्स, नागपुर
8. कमलेश व सग्रांल : शारीरिक शिक्षा के सिद्धांत तथा इतिहास, प्रकाश ब्रदर्स, लुधियाना।
9. मोहम्मद वाहिद और दीक्षित एन.के. : शारीरिक शिक्षा का इतिहास, डालीगंज रेलवे क्रॉसिंग, लखनऊ।
10. वैष्णव राजेन्द प्रसाद : शारीरिक शिक्षा का संगठन व विधियाँ, श्रीयांश पब्लिकेशन्स, जयपुर।
11. सिद्धाना अशोक कुमार : शारीरिक शिक्षा सिद्धान्त, मनोविज्ञान एवं इतिहास, श्रीयांश पब्लिकेशन्स, जयपुर।

12. पाण्डेय लक्ष्मी कान्त : शारीरिक शिक्षा की शिक्षण पद्धति, मैट्रोपोलिटन बुक्स कं.प्रा.लि., नई दिल्ली।
13. अजमेर सिंह और अन्य : शारीरिक शिक्षा, स्वास्थ्य एवं खेलों की आधुनिक पाठ्य पुस्तक (बी.ए. पार्ट I, II व III) कल्याणी पब्लिकेशन्स, लुधियाना।

Paper-II Foundations of Physical Education

Unit I: Biological Foundations:

1. Heredity, Environment in its importance and stages of growth and development.
2. Principles governing physical and motor growth and development.
3. Chronological, Anatomical, Physiological and Mental ages of individuals- their implications in developing and implementing programme of physical education.

Unit II: Psychological Foundations :

1. Importance and implication of psychological elements in physical education.
2. Notions about mind and body and psycho-physical unit of man.
3. Conditions and factors effecting learning.

Unit III: Philosophical Foundations :

1. Idealism and physical Education.
2. Pragmatism and Physical Education
3. Naturalism and Physical Education.
4. Existentialism and Physical Education.

Unit IV: Physiological Foundations :

1. General Benefits of exercise.
2. Benefit of exercise to the various systems.
3. Kinesthetic sense and performance.

Unit V: Sociological Foundations :

1. Physical Education and Sports as a need of the society.
2. Sociological Implications of Physical Education and sports.
3. Physical activities and sports as a man's cultural heritage.

Books Recommended :

1. Bucher, Charles A. : Foundation of Physical Education St. Louis

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- : The C.V. Hosby Company, 1986.
2. Nixon Engene D. and Couson. W.: An Introduction to Physical Education, Philadelphia, London : W.B. Saunders Co. 1969.
 3. Oderateuter, Delbert : Physical Education, New York, Harper and Brothers Publishers, 1970.
 4. Sharma, Jakson R. : Introduction to Physical Education New York : A.S. Barnes and Company, 1964.
 5. Williams Jeses Feiring : The Principle of Physical Education, Philadelphia : W.B. Saunders Company, 1964.
 6. Kamlesh H.L. : Physical Edu. Facts & Foundation, P.B. Pub. Faridabad.
 7. कमलेश एम.एल. : शारीरिक शिक्षा की सैद्धांतिकी, मैट्रोपालिटन बुक्स कं., दिल्ली।
 8. अजमेर सिंह और अन्य : शारीरिक शिक्षा स्वास्थ्य, एवं खेलों की आधुनिक पाठ्यपुस्तक (बी.ए. पार्ट I, II व III) कल्याणी पब्लिकेशन्स, लुधियाना।
 9. भाटिया ए.एल. और बघेला हेत सिंह : शरीर रचना, क्रिया शास्त्र, स्वास्थ्य शिक्षा, सुरक्षा शिक्षा, प्राथमिक चिकित्सा और आहार : श्रीयांश पब्लिकेशन्स, जयपुर।
 10. कमलेश व सग्रांल : शारीरिक शिक्षा के सिद्धांत तथा इतिहास : प्रकाश ब्रदर्स, लुधियाना।
 11. पाण्डेय लक्ष्मी कान्त : शारीरिक शिक्षा की शिक्षण पद्धति, मैट्रोपालिटन बुक्स कं.प्रा.लि., नई दिल्ली।
 12. मोहम्मद वाहिद और दीक्षित एन.के. : शारीरिक शिक्षा का इतिहास, डालीगंज रेलवे क्रॉसिंग, लखनऊ।
 13. सिद्धाना अशोक कुमार : शारीरिक शिक्षा सिद्धांत, मनोविज्ञान एवं इतिहास, श्रीयांश पब्लिकेशन्स, जयपुर।
 14. वैष्णव राजेन्द्र प्रसाद : शारीरिक शिक्षा का संगठन व विधियाँ, श्रीयांश पब्लिकेशन्स, जयपुर।

Practical

The practical examination shall be conducted by a panel of two examiners to be appointed by the University.

A candidate shall be required to show his/her familiarity (Rules & Techniques) and to give his performance in the following—

1. Athletics - Sprints. High Jump, Long Jump, Short put, Discus and Relays. (This is compulsory. This shall carry 40 marks)

33. INDIAN HERITAGE IN RURAL HANDICRAFTS

Scheme	Max. Marks	Min. Pass Marks
1. Theory One Paper 3 hrs. duration	60	22
2. Practical	80	28
3. Submission	<u>60</u>	<u>22</u>
	<u>200</u>	<u>72</u>

Syllabus :

Paper I (Theory)

3 hrs. duration

Max. Marks 60

Min. Pass Marks 22

FUNDAMENTAL OF HANDICRAFTS

1. Theory of colours-pigments and light theory-hue circle, modifications of colour - after image values and colour harmony-practical applications.
2. Basic principles of line, form and space - their interrelationship.
3. Process of concept building - visual and structural relationships. Free hand drawing from nature study of different Indian motifs.
4. Introduction with local rural handicrafts. Brief study of the local handicrafts and various raw materials used for manufacturing them.
5. History of Indian handicrafts.

Note : The paper will contain 9 questions. Candidates are required attempt any five questions. Each question containing 12 marks.


Paper II (Practical)

5 hrs. duration

Max. Marks 80

Min Pass Marks 28

1. Tie and dye (bandhej)
2. Soft toys


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3. Folk paintings.

4. Folk sculptures

Submission Works Max. Marks 60 Min. Pass Marks 22

Note (1) : Submission work will be submitted to the head of the department of Rural Handicrafts of the college 15 days before the commencement of examination. The marks in the submission will be Awarded by the subject teacher (Internal). However the external examiner shall be empowered to review the work of submission in case there is a drastic difference between the Marks of the examination and submission.

Note (2) : Candidates should pass in theory as well as in practical paper Separately.

Books recommended

1. Heritage of Indian Art : V.S. Agarwal.
2. Handicrafts of India : T.M. Abraham
3. 5000 years of Arts & Crafts of India : Shanti Swaroop.


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Syllabus B.A. Part-I

2. A candidate may choose any one of the following games—
Basket ball, Football, Kabaddi & Volley ball, Swimming (This shall
carry 40 marks).

VOCATIONAL COURSE

34. COMPUTER APPLICATION

Scheme :	Min. Pass Marks	Max. Marks
Arts/Commerce	72 (Th. 47 Pr. 25)	200
Science	54 (Th. 36 Pr. 18)	150
Paper-I 3 hours duration	Computer Fundamentals and Introduction to IBM PC	Arts/Com. 65 Science 50
Paper-II 3 hours duration	Operating Systems and Business Data Processing	Arts/ Com. 65 Science 50
Paper-III Practical		Arts/Com. 70 Science 50

Paper I : Computer Fundamentals and Introduction to IBM PC

What is Computer ? An introduction. Uses of computers in modern society e.g. weather forecasting, census, oil exploration, speech recognition, banking, publishing, accounting, research etc.

Information concepts and processing - hardware, software- computer capabilities and limitations. Concept of files and directories.

Computer arithmetic and number systems. ASCH & EBCDIC character sets.

Elements of a computer processing system- hardware, software computer capabilities and limitations. Concept of files and directories.

Hardware features and use- CPU, I/O devices. Storage devices and media.

Introduction to networking, multiprocessing, time sharing, multi-tasking and real time computing.

Variety of hardware systems and features. Varius types of computers available in market. Micro, Mini and Main frames, Supercomputers.

Evolution of personnel computers, Commodore, Atari, Apple, IBM, PC, Basic block diagram of computer. Difference between personal and main frames- Simple operating system, Easy to use, Less Memory, Dedicated, Normally single user.

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Syllabus B.A. Part-I

Introduction to microprocessors and associated computers. Timers, display controllers, DMA controllers.

Block diagram of IBM PC. Introduction to 8086 and 8088. Functional description of various modules and cards.

Boot process in IBM PC. System files. Self test.

Various types of displays and other peripherals used in IBM PCs.

Disk Operating System - Introduction. Batch files.

Configuration files. COM, EXE, SYS, BIN and TXT files. Introduction to programming in BASIC. Development of programs in Q BASIC. Use of graphics facilities using Basic.

Diagnostics for IBM PC. Use of Norton Utilities and other packages for undeleting files and other system maintenance jobs.

Advance version of IBM and compatibles.

Paper II : Operating Systems and Business Data Processing

Introduction to various categories of softwares. Operating system and its functions. Interaction of operating system with hardware and user programs.

Various components of operating system with reference to DOS. Single user operating system. Task loader. Memory management.

File management, Directory structure in DOS. Moving, renaming, copying, deleting and undeleting files under DOS.

Practical

Visit to computer Lab. Introduction to various components of a computer. A simple documentation preparation and printing. Usage of printer and other components.

Physical inspection of IBM PC and internal cards. Introduction to nomenclature (COM1, COM2, etc.) Writing batch files for various purposes. Modifying config. sys files. Creating RAM Disk. Diagnostics on IBM PC. Controlling PC hardware using BASIC Programs.



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