

बी. ए. द्वितीय वर्ष संस्कृत परीक्षा 2005–2006

प्रथम प्रश्नपत्र : नाटक, छन्द एवं अलंकार

100 अंक

पाठ्यक्रम –

1. अभिज्ञानशाकुन्तल नाटक कालिदास
2. छन्द (अभिज्ञानशाकुन्तल में प्रयुक्त मुख्य छन्द)
3. अलंकार (काव्यदीपिका, अष्टम शिखा)

पाठ्यक्रम की इकाइयाँ—

- प्रथम इकाई – प्रथम और द्वितीय अंक (अभिज्ञानशाकुन्तल),
- द्वितीय इकाई – तृतीय व चतुर्थ अंक (अभिज्ञानशाकुन्तल),
- तृतीय इकाई – पंचम, षष्ठ और सप्तम अंक (अभिज्ञानशाकुन्तल),
- चतुर्थ इकाई – छन्द
- पंचम इकाई – अलंकार—काव्यदीपिका की अष्टम शिखा से निम्नलिखित अलंकार पठनीय हैं। अनुप्रास, यमक, श्लेष, स्वभावोक्ति, उपमा, मालोपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति, व्यतिरेक, प्रतिवस्तूपमा, निदर्शना, दृष्टान्त, अर्थान्तरन्यास, दीपक, सन्देह, भ्रान्तिमान्, अप्रस्तुतप्रशंसा एवं समासोक्ति ।

प्रश्नपत्र का विस्तृत अंक विभाजन –

प्रथम खण्ड

वस्तुनिष्ठात्मक भाग

10 अंक

इसके अन्तर्गत विकल्परहित कुल दस प्रश्न पूछे जाएंगे सभी का उत्तर देना अनिवार्य है। ये प्रश्न समग्र पाठ्यक्रम पर आधारित होंगे।

द्वितीय खण्ड

व्याख्यात्मक भाग

50 अंक

इस खण्ड के अन्तर्गत शतप्रतिशत विकल्प के साथ पाँच प्रश्न (व्याख्या) पूछे जाएंगे। प्रत्येक प्रश्न के लिये 10 अंक निर्धारित हैं। इनमें से प्रत्येक का उत्तर (व्याख्या) लगभग 250 शब्दों में देना अपेक्षित है। इनका पाठ्यक्रमानुसार विभाजन निम्न प्रकार से होगा।

- क. प्रथम तथा द्वितीय अंक—अभिज्ञान शाकुन्तल से दो श्लोक देकर एक की सप्रसंग संस्कृत व्याख्या पूछी जाएगी। 10 अंक
- ख. अभिज्ञानशाकुन्तल के तृतीय व चतुर्थ अंक से दो श्लोक देकर किसी एक की सप्रसंग संस्कृत व्याख्या पूछी जाएगी। 10 अंक
- ग. अभिज्ञानशाकुन्तल के पंचम, षष्ठ तथा सप्तम अंक से दो श्लोक देकर किसी एक की सप्रसंग व्याख्या पूछी जाएगी। 10 अंक
- घ. छन्द – अभिज्ञानशाकुन्तल में प्रयुक्त निर्धारित छन्दों के लक्षण एवं उदाहरण तथा उनमें मात्रा व गणों की परिगणना पूछी जाएगी – कोई चार छन्द देकर दो की। 10 अंक

ड. अलंकार – कोई चार अलंकार देकर दो के लक्षण तथा उदाहरण पूछे जाएंगे। 10 अंक

तृतीय खण्ड

निबन्धात्मक प्रश्न : 40 अंक

इस खण्ड के अन्तर्गत कुल चार प्रश्न देकर दो प्रश्नों के उत्तर पूछे जायेंगे। प्रत्येक का उत्तर लगभग 400 शब्दों में देना अपेक्षित है। इनके लिये 20-20 अंक निधारित हैं।

उक्त खण्ड के प्रथम प्रश्न के अन्तर्गत निम्नलिखित बिन्दु आधार स्वरूप होंगे।

1. अभिज्ञानशाकुन्तल के प्रथम अंक से लेकर चतुर्थ अंक पर्यन्त की प्रमुख घटनाओं से सम्बन्धित समालोचनात्मक प्रश्न। प्रमुख पात्र (दुष्यन्त, शकुन्तला, कण्व, अनसूया व प्रियंवदा) का चरित्र-चित्रण।

नाट्यविधा की दृष्टि से अभिज्ञानशाकुन्तल की समालोचना, मूल कथापरिवर्तन से नाट्य-सौन्दर्य में होने वाली विशेषताओं से सम्बन्धित प्रश्न। 20 अंक

2. अभिज्ञानशाकुन्तल के पांच अंक से लेकर सात अंक के घटनाक्रम पर आधारित प्रश्न, पंचम अंक का वैशिष्ट्य, दुष्यन्त, शकुन्तला, शाङ्करव-शारद्वत का चरित्र-चित्रण, प्रकृति चित्रण, कालिदास की नाट्यशैली तथा कालिदास का नाट्य साहित्य में स्थान इत्यादि। 20 अंक

सहायक पुस्तकें –

1. कालिदास और उनकी काव्यकला – वागीश्वर विद्यालंकार
2. अभिज्ञानशाकुन्तलम् – अजमेरा बुक कम्पनी, जयपुर
3. अभिज्ञानशाकुन्तलम् – भारतीय विद्याप्रकाशन, दिल्ली
4. छन्दोलंकारशाकुन्तलम् – अजमेरा बुक कम्पनी, जयपुर
5. वृत्तरत्नाकर/भट्ट केदार, – चौखम्बा विद्याभवन, वाराणसी
6. स्नातकसंस्कृतरचनानुवादमंजरी – अजमेरा बुक कम्पनी, जयपुर
7. सरलअनुवादचन्द्रिका – भारतीय विद्या प्रकाशन, दिल्ली
8. अलंकारशास्त्र का इतिहास – अजमेरा बुक कम्पनी, जयपुर
9. महाकवि कालिदास – डा. रमाशंकर तिवारी
10. कालिदास के रूपकों का नाट्यशास्त्रीय विवेचन – डॉ. कुसुम भूरिया
11. कालिदास का नाट्यकल्प – डॉ. श्याम पाण्डेय
12. काव्यदीपिका – कान्तिचन्द्र भट्टाचार्य

बी. ए. द्वितीय वर्ष संस्कृत परीक्षा 2005–2006

द्वितीय प्रश्नपत्र – प्राचीन भारतीय संस्कृति, धर्मशास्त्र, व्याकरण, अनुवाद, एवं निबन्ध

100 अंक

पाठ्यक्रम –

1. प्राचीन भारतीय संस्कृति
2. मनुस्मृति – द्वितीय अध्याय 1 से 150 श्लोक पर्यन्त
3. व्याकरण
4. अनुवाद
5. निबन्ध

पाठ्यक्रम की इकाइयाँ –

प्रथम इकाई –

प्राचीन भारतीय संस्कृति – आधार–स्वरूप बिन्दु, भारतीय संस्कृति की विशेषताएं, वर्ण व्यवस्था, आश्रम व्यवस्था, शिक्षा–पद्धति, राजनैतिक व्यवस्था, न्याय–व्यवस्था।

द्वितीय इकाई

मनुस्मृति – द्वितीय अध्याय के 1 से 150 श्लोक पर्यन्त।

तृतीय इकाई

व्याकरण – लघुसिद्धान्तकौमुदी – व्यंजन एवं विसर्ग सन्धि।

शब्दरूप – निम्नलिखित शब्दों के सभी विभक्तियों के रूप।

भूमृत्, पक्षिन्, पति, नृ, सुधी, मघवन्, सम्राज्, वेधस्, पुंस्, अप्, आशिष्, धनुष्, तिर्यच, अहन्, चक्षुष्, पयस्।

धातुरूप – निम्नलिखित धातुओं के लट्, लोट् विधिलिङ् तथा लट् के रूप,— ब्रू, दुह्, हू, शास्, चिन्त्, तन्, बन्ध्, भी, यत्, स्तु, क्री, स्था, श्रु, वृत्, जन्, चि. रुन्ध्, ग्रह।

चतुर्थ इकाई

अनुवाद – हिन्दी से संस्कृत में।

पंचम इकाई

निबन्ध – निम्नलिखित विषय आधारस्वरूप होंगे कवि–कालिदास, भास, भारतीय संस्कृति, संस्कृत भाषा का महत्त्व, सत्संगति, परोपकार, उद्योग, आचार, विद्या का महत्त्व, महाविद्यालय।

प्रश्नपत्र का विभाजन तीन खण्डों में किया गया है।

प्रथम खण्ड

वस्तुनिष्ठात्मक भाग

10 अंक

इसके अन्तर्गत विकल्परहित कुछ दस प्रश्न पूछे जायेंगे। सभी का उत्तर देना अनिवार्य है। ये प्रश्न समग्र पाठ्यक्रम पर आधारित होंगे।

द्वितीय खण्ड

व्याख्यात्मक भाग

50 अंक

इस खण्ड के अन्तर्गत कुछ पाँच प्रश्न (व्याख्या) शत प्रतिशत विकल्प सहित पूछे जाएंगे। इस खण्ड के प्रत्येक प्रश्न के लिये 10 अंक निर्धारित हैं। इनका पाठ्यक्रम के अनुसार विभाजन निम्न प्रकार से होगा।

- क. भारतीय संस्कृति के किन्हीं दो विषयों को देकर एक का उत्तर देना होगा। 10 अंक
- ख. मनुस्मृति के द्वितीय अध्याय के 1 से 150 तक के श्लोकों में से चार श्लोक देकर दो की सप्रसंग व्याख्या पूछी जाएगी। 10 अंक
- ग. इस प्रश्न के अन्तर्गत व्यंजन व विसर्ग सन्धि के चार सूत्र देकर दो की सोदाहरण व्याख्या पूछी जाएगी। 10 अंक
- घ. अनुवाद – इसके अन्तर्गत बीस हिन्दी के वाक्य देकर किन्हीं दस का संस्कृत में अनुवाद पूछा जाएगा। 10 अंक
- ङ. निबन्ध – उपर्युक्त पंचम इकाई में निर्दिष्ट विषयों में से किन्हीं चार विषयों में से एक विषय पर संस्कृत भाषा में लगभग 200 शब्दों का निबन्ध पूछा जाएगा। 10 अंक

तृतीय खण्ड

निबन्धात्मक भाग

40 अंक

इस खण्ड के अन्तर्गत दो प्रश्नों का शत प्रतिशत विकल्प के साथ उत्तर पूछा जाएगा। इनके लिये 20–20 अंक निर्धारित हैं।

1. उक्त खण्ड के प्रथम प्रश्न के अन्तर्गत प्राचीन भारतीय संस्कृति तथा मनुस्मृति में वर्णित विषय आधारस्वरूप होंगे। 20 अंक
2. उक्त खण्ड के द्वितीय प्रश्न के अन्तर्गत दो भाग होंगे। प्रथम भाग में शब्दरूपों में से कोई दस शब्द देकर किन्हीं पांच का लिङ्ग, विभक्ति व वचन पूछा जाएगा।

इसी प्रकार द्वितीय भाग में दस धातु रूप देकर किन्हीं पांच का किसी एक लकार के एक पुरुष के रूप पूछे जाएंगे। 20 अंक

सहायक पुस्तकें –

1. प्राचीनभारतीयसंस्कृति के मूल तत्व – अजमेरा बुक कम्पनी, जयपुर
2. भारत की संस्कृति एवं साधना – डॉ. रामजी उपाध्याय
3. भारत की संस्कृति – शिवदत्त ज्ञानी
4. प्राचीनभारतीयसंस्कृति
5. भारतीयसंस्कृति – लल्लन प्रसाद
6. स्नातकसंस्कृतरचनानुवादमंजरी – अजमेरा बुक कम्पनी, जयपुर

7. संस्कृतव्याकरणप्रवेशिका – डॉ. बाबूराम सक्सेना
8. सरल अनुवादचन्द्रिका – भारतीय विद्या प्रकाशन, दिल्ली
9. संस्कृत व्याकरण रचना एवं निबन्ध – रामजी उपाध्याय
10. संस्कृतनिबन्धशतकम् – डॉ. कपिलदेव द्विवेदी
11. संस्कृतनिबन्धावली – डॉ. राधाकृष्ण आचार्य
12. व्याकरणप्रदीप – एन. के. सरकार तथा गोकुलचन्द्र
13. बृहद् अनुवादचन्द्रिका – पं. चक्रधर हंस नौटियाल

बी. ए. द्वितीय वर्ष प्राकृत साहित्य

2005–2006

- अ. प्राकृत शिक्षण का माध्यम हिन्दी है। अतः प्रश्न पत्र हिन्दी में पूछे जायेंगे। परीक्षार्थी प्रश्नों के उत्तर हिन्दी अथवा अंग्रेजी में लिख सकेंगे।
- ब. प्रत्येक इकाई में से निर्देशानुसार प्रश्नों के उत्तर देना अनिवार्य हैं।
- स. प्रश्नों का आन्तरिक विकल्प नई परीक्षा प्रणाली के अनुसार होगा।
- द. बी. ए. द्वितीय वर्ष प्राकृत साहित्य में 100–100 अकों के 3–3 घंटे के दो प्रश्नपत्र होंगे।

प्रथम प्रश्न पत्र

आगम साहित्य, शिलालेख एवं व्याकरण

100 अंक

(क) आगम साहित्य

इकाई एक –

20 अंक

1. णायाधम्मकहा (4 एवं 6 अध्ययन) – 10 अंक
2. उत्तराध्ययनसूत्र (विनयसुत्तं 1–17 गाथाएं) – 10 अंक
(रहनेमिज्जं 1 – 49 गाथाएं)

इकाई दो –

20 अंक

वसुनंदिश्रावकाचार (गाथा 60 से 87 एवं 101से 111 तक)
सम्पा. पं. हीरालाल जैन, दिल्ली, अनुवाद एवं समीक्षा

इकाई तीन –

20 अंक

प्राकृत साहित्य समीक्षा (अर्धमागधी एवं शौरसेनी आगम साहित्य का संक्षिप्त परिचय एवं पठित ग्रन्थों की समीक्षा)

इकाई चार – प्राकृत शिलालेख

20 अंक

1. अशोक के 1 से 5 अभिलेखों (गिरनार पाठ) का अनुवाद
2. शिलालेखों पर सामान्य प्रश्न (प्राकृत के प्रमुख शिलालेखों का परिचय एवं अशोक के अभिलेखों का महत्व आदि)

इकाई पाँच –

20 अंक

आर्ष प्राकृत व्याकरण (अर्धमागधी एवं शौरसेनी प्राकृत भाषा की सामान्य विशेषताएँ, संज्ञा, सर्वनाम, क्रिया एवं कृदन्त का सामान्य ज्ञान)

सहायक पुस्तकें :-

1. प्राकृत साहित्य का इतिहास – डॉ. जगदीशचन्द्र जैन
2. अशोक के अभिलेख – डॉ. भट्ट
3. प्राकृत काव्यसौरभ – सम्पा. डॉ. प्रेम सुमन जैन
4. प्राकृत भाषा एवं साहित्य का आलोचनात्मक इतिहास, डॉ. नेमिचन्द्र शास्त्री
5. प्राकृत भारती – आगम संस्थान, उदयपुर, 1991

द्वितीय प्रश्न पत्र

प्राकृत सट्टक, गद्य एवं प्राकृतीकरण

इकाई एक – प्राकृत सट्टक

100 अंक

20 अंक

1. कर्पूरमंजरी (राजशेखर) प्रथम जवनिका – गद्य एवं पद्य
सम्पा. डॉ. आर. पी. पोद्दार

इकाई दो –

20 अंक

नाटकों में प्राकृत प्रयोग एवं समीक्षा
(संस्कृत नाटकों में प्राकृत भाषा का प्रयोग, प्राकृत सट्टक साहित्य, कर्पूरमंजरी का मूल्यांकन, कवि राजशेखर आदि पर सामान्य प्रश्न)

इकाई तीन – प्राकृत गद्य

20 अंक

कहाण्यअट्ठगं – 1 मूलदेवकथा मात्र, सम्पा. राजाराम जैन,
डॉ. चन्द्रदेव राय

इकाई चार – सामान्य प्रश्न

20 अंक

(पठित प्राकृत गद्य कथाओं पर एवं उनके मूल ग्रन्थों पर सामान्य प्रश्न तथा प्राकृत गद्य साहित्य की रूपरेखा)

इकाई पाँच – प्राकृतीकरण

20 अंक

1. स्वर – परिवर्तन के प्रमुख नियम एवं उदाहरण
2. व्यंजन – परिवर्तन के प्रमुख नियम एवं उदाहरण
3. प्राकृत के प्रमुख व्याकरण ग्रन्थों का सामान्य परिचय

सहायक पुस्तकें :-

1. महाकवि राजशेखर, डॉ. श्यामा वर्मा
2. प्राकृत भाषा एवं साहित्य का आलोचनात्मक इतिहास, डॉ. नेमिचन्द्र शास्त्री
3. प्राकृत प्रवेशिका – डॉ. कोमलचन्द्र जैन
4. कहाण्यअट्ठगं – सं. राजाराम जैन, प्राकृत साहित्य परिषद् प्रकाशन, आरा
5. हेम प्राकृत व्याकरण – शिक्षक – डॉ. उदयचन्द्र जैन
6. प्राकृत गद्य-सोपान – डॉ. प्रेम सुमन जैन, जयपुर, 1983
7. प्राकृत भारती, आगम संस्थान, उदयपुर, 1991

बी.ए. द्वितीय वर्ष, हिन्दी साहित्य : 2005–2006

इस विषय में 100–100 अंकों के दो प्रश्न-पत्र होंगे।

प्रथम प्रश्न-पत्र : काव्य

100 अंक

पाठ्य पुस्तक :

1. रीति काव्य सुमन – संपादक : डॉ. रामकृष्ण शर्मा
प्रकाशक : माया प्रकाशन मंदिर, त्रिपोलिया बाजार, जयपुर

पाठ्य विषय : पाँच इकाईयों में विभक्त होगा :

इकाई – I

केशवदास के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न

मतिराम के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न

भिखारीदास के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न

इकाई – II

सेनापति के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न

पद्माकर के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न

इकाई – III

भूषण के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न
घनानंद के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न

इकाई – IV

देव के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न
बिहारी के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न
जगन्नाथदास 'रत्नाकर' के संकलित अंश की व्याख्या एवं आलोचनात्मक प्रश्न

इकाई – V

रीतिकालीन काव्य की प्रवृत्तियाँ, काव्य धाराएँ और उनकी विशेषताएँ
रस, काव्य-गुण और काव्य-दोष परिचय

अंक योजना : प्रश्न-पत्र 100 अंक का होगा, जो तीन खण्ड – 'अ', 'ब', 'स' में विभक्त होगा, जिसका अंक विभाजन इस प्रकार रहेगा –

खण्ड 'अ' – 10 अंक

इस खण्ड में एक-एक अंक के विकल्परहित दस वस्तुनिष्ठ लघु उत्तरात्मक प्रश्न होंगे। प्रत्येक इकाई से दो प्रश्न होंगे।

खण्ड 'ब' –

50 अंक

इस खण्ड में दस-दस अंक के विकल्पसहित पाँच प्रश्न होंगे। प्रथम तीन प्रश्न व्याख्या सम्बन्धी होंगे। प्रत्येक इकाई से दो प्रश्न होंगे। इन प्रश्नों के उत्तर लगभग 250 शब्दों तक दिये जा सकते हैं।

खण्ड 'स' –

40 अंक

इस खण्ड में बीस-बीस अंक के विकल्पसहित दो प्रश्न होंगे, जिनका उत्तर लगभग 500 शब्दों में देना होगा। इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं।

द्वितीय प्रश्न-पत्र : गद्य

100 अंक

पाठ्य पुस्तकें :

1. आधुनिक गद्य की विविध विधाएँ – संपादक : डॉ. उदयभानु सिंह
प्रकाशक : वाणी प्रकाशन, 21 ए दरियागंज, नई दिल्ली
2. कथा भारती – संपादक : डॉ. लक्ष्मीनारायण लाल
प्रकाशक : नेशनल पब्लिशिंग हाऊस 2/35 अंसारीरोड, दरियागंज,
नई दिल्ली

पाठ्य विषय : पाँच इकाईयों में विभक्त होगा :

इकाई – I

‘आधुनिक गद्य की विविध विधाएँ’ में संकलित ‘पंचपरमेश्वर’, ‘हार की जीत’, ‘बनारसी एकका’ की व्याख्या एवं आलोचना

इकाई – II

‘आधुनिक गद्य की विविध विधाएँ’ में संकलित ‘मेरी जन्म भूमि’, ‘कबीर साहब से भेंट’, ‘सीमा रेखा’, तथा ‘यात्रा रोमांस’ की व्याख्या एवं आलोचना

इकाई – III

‘कथा भारती’ में संकलित ‘कफ़न’, ‘आकाश-दीप’, ‘दुखवा मैं कासे कहूँ’, ‘मोरी सजनी’, ‘खुदाराम’, ‘रेल की बात’, ‘पराया सुख’, कहानियों की व्याख्या और आलोचना

इकाई – IV

‘कथा भारती’ में संकलित ‘पाजेब’, ‘शरणदाता’, ‘गदल’, ‘तीसरी कसम’, ‘अंधरे में’, ‘आर्द्रा’, कहानियों की व्याख्या और आलोचना

इकाई – V

हिन्दी गद्य की विविध विधाओं का परिचय और विकास

हिन्दी कहानी का विकास

अंक योजना : प्रश्न-पत्र 100 अंक का होगा, जो तीन खण्ड – ‘अ’, ‘ब’, ‘स’ में विभक्त होगा, जिसका अंक-विभाजन इस प्रकार रहेगा—

खण्ड ‘अ’ –

10 अंक

इस खण्ड में एक-एक अंक के विकल्प रहित दस वस्तुनिष्ठ लघुउत्तरात्मक प्रश्न होंगे। प्रत्येक इकाई से दो प्रश्न होंगे।

खण्ड ‘ब’ –

50 अंक

इस खण्ड में दस-दस अंक के विकल्पसहित पाँच प्रश्न होंगे। प्रथम तीन प्रश्न व्याख्या सम्बन्धी होंगे। प्रत्येक इकाई से दो प्रश्न होंगे। इन प्रश्नों के उत्तर लगभग 250 शब्दों तक दिये जा सकते हैं।

खण्ड ‘स’ –

40 अंक

इस खण्ड में बीस-बीस अंक के विकल्पसहित दो प्रश्न होंगे, जिनका उत्तर लगभग 500 शब्दों में देना होगा। इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं।

**SECOND YEAR ENGLISH LANGUAGE &
LITERATURE (2005-2006)**

(PASS COURSE)

The Pattern of question paper will be as follows:

Section-A (10 Marks)

Ten objective type questions of one mark each from all Units.

Section-B (50 Marks)

Five short answers/explanations (250-300 words) with internal choice covering all units.

- a. Short answers- from Fiction, Prose, Criticism and background.
- b. Explanations from Poetry and Drama.

Section-C (40 Marks)

Two full length questions out of Four, each carrying 20 marks. (800 words)

PAPER-I : DRAMA M.M. 100

Unit-A

1. Shakespeare : Macbeth

Unit-B

1. Ibsen : A Doll's House

Unit-C

1. Shaw : Arms and the Man

**SECOND YEAR ENGLISH LANGUAGE &
LITERATURE (2005-2006)**

(PASS COURSE)

The Pattern of question paper will be as follows:

Section-A (10 Marks)

Ten objective/multiple type questions of one mark each from all units.

Section-B (50 Marks)

Five short answers/explanations (250-300 words) with internal choice covering all units.

- a. Short answers - from Fiction, Prose, Criticism and background.
- b. Explanations from Poetry and Drama.

Section-C (40 Marks)

Two full length questions out of Four, each carrying 20 marks. (800 words)

PAPER-II : POETRY M.M. 100

Unit - A

The following poems from The Poet's Pen selected and annotated : by P.E. and Homi Dustoor, Oxford University Press.

1. Donne : Goe and catche a falling Star
2. Marwell : Thoughts in a Garden
3. Gray : Elegy Written in a Country Churchyard
4. Wordsworth : Lines Composed above Tintern Abbey
5. Shelley : 1. To a Skylark
2. Ode to the West wind
6. Keats : 1. Ode on a Grecian Urn
2. Ode to Autumn

Unit-B

The following poems from The Poet's Pen

1. Browning : My Last Duchess
2. Arnold : Dover Beach
3. Yeats : To a Shade
4. Eliot : Journey of the Magi

Unit-C

The following poems from An Anthology of Indian English Poetry, Edited by a Board of Editors, ORIENT LONGMAN :

1. Rabindra Nath Tagore :
(I) Heaven of freedom / Where the Mind is without fear.
(II) Silent Steps (from Gitanjali).
2. Sri Aurobindo :
(I) Transformation
(II) The Tiger and the Deer
3. Sarojini Naidu :
(I) Village Song
(II) The Soul's Prayer

Unit -D

1. Notes on Literary terms (Two out of four Literary terms. Each short note should be around 100 words) : Sonnet, Lyric, Ballad, Ode, Simile, Metaphor, Heroic Couplet, Soliloquy, Irony, Alliteration. (10 Marks)
2. Literary Appreciation.

द्वितीय वर्ष सिन्धी : 2005—2006

योजना

दो प्रश्न पत्र	न्यूनतम उत्तीर्णांक 72	पूर्णांक 200
प्रथम प्रश्न पत्र	समय 3 घण्टे	अंक 100
द्वितीय प्रश्न पत्र	समय 3 घण्टे	अंक 100

परीक्षक के लिए निर्देश :

(खण्ड-अ)

इस भाग में दस वस्तुनिष्ठ/लघुउत्तरात्मक प्रश्न होंगे। प्रत्येक इकाई में से दो प्रश्न होंगे। प्रत्येक प्रश्न एक अंक का होगा। ये दस प्रश्न विकल्प रहित होंगे। लघुत्तर लगभग 20 शब्दों में होगा। (10 अंक)

(खण्ड-ब)

इस भाग में पाठ्यक्रम की प्रत्येक इकाई से दो प्रश्न पूछे जायेंगे। कुल दस प्रश्न होंगे जिनके विकल्प भी इसी इकाई से होंगे। प्रत्येक प्रश्न दस अंक का होगा। इन प्रश्नों के उत्तर लगभग 250 शब्दों तक दिये जा सकते हैं। (50 अंक)

(खण्ड-स)

इस भाग में चार विवेचनात्मक प्रश्न पूछे जायेंगे, जिनमें से दो प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर लगभग 500 शब्दों में देना होगा। प्रत्येक प्रश्न बीस अंक का होगा। इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं। (40 अंक)

प्रथम पत्र प्रथम – गद्य, पद्य एवं रेपिड रीडर

समय 3.00 घण्टे

अधिकतम अंक100

पाठ्यक्रम एवं अंकों का विभाजन :

इकाई – 1

गद्य सन्दर्भ व्याख्या (कोई 2)

इकाई – 2

लघु उत्तरात्मक प्रश्न (कोई 2)

इकाई – 3

निबन्धात्मक प्रश्न (कोई 1)

गद्य सन्दर्भ व्याख्या (कोई 2)

लघु उत्तरात्मक प्रश्न (कोई 2)

इकाई – 4

निबन्धात्मक प्रश्न (कोई 1)

इकाई – 5

रेपिड रीडर (कोई 2 प्रश्न)

पाठ्यपुस्तकें :

1. गद्य – (क) उछल – लालसिंह अजवानी
2. पद्य – (ख) पूरब संदेश – डी. के. कृष्णाणी

रेपिड रीडर

ममता जो मौत – लक्ष्मण भंभाणी
(प्रथम आठ कहानियाँ)

नोट : उक्त पुस्तकें श्री लछमन भम्भानी, सुहिणी पब्लिकेशन, 182 बनीपार्क,
जयपुर – 16 से प्राप्त हो सकती है।

द्वितीय प्रश्न पत्र – सिन्धी कविता का इतिहास, निबन्ध, अपठित गद्यांश, मुहावरें एवं कहावतें

प्रतिनिधि सिन्धी कवियों के नाम

इकाई – 1

शाह अब्दुल लतीफ
सचल सरमस्त

इकाई – 2

सामी
किशनचन्दर बेबस

इकाई – 3

हरी दिलगीर
नारायण श्याम

इकाई – 4

निबन्ध

इकाई – 5

अपठित गद्यांश
मुहावरें एवं कहावतें

सन्दर्भ पुस्तकें :

गुलकन्ध – भेरूमल महरचन्द, साहित्य अकादमी,
(क्षेत्रीय कार्यालय दादर, मुम्बई)

सिन्धी शइर जी तारीख – डॉ. दयाल आशा
स्वामी शान्ति प्रकाश भवन, निज धाम रोड, उल्हासनगर – 421 005

दिलगीर हिकुअभ्यास – भगवान निर्दोष, बी – 2, माहेश्वरी अपार्टमेन्ट कार्नर
के पास, अहमदाबाद – 380 016

शाइरश्याम – सिन्धी टाइम्स पब्लिकेशन, उल्हासनगर, मुम्बई

सिन्धी साहित्य जो इतिहास : डॉ. मुरलीधर जैतली, डी-127, विवेक विहार,
दिल्ली।

SECOND YEAR ARTS 2005-2006

URDU LITERATURE

PAPER I : PROSE

Aotent o Marks	M.M. 100
1. Explanation of two passages out of the four given from the prescribed text-book.	40
2. Khulasa of one of the prescribed lessons	20
3. Ten questions (all compulsory) of multiple choice and objectives type on the authors of the text-book.	20
4. One question on the book for non-detailed study.	20
Tota	100

परीक्षक के लिए निर्देश :

(खण्ड—अ)

इस भाग में दस वस्तुनिष्ठ लघुउत्तरात्मक प्रश्न होंगे। प्रत्येक इकाई में से दो प्रश्न होंगे। प्रत्येक प्रश्न एक अंक का होगा। ये दस प्रश्न विकल्प रहित होंगे।

(खण्ड—ब)

इस भाग में पाठ्यक्रम की प्रत्येक इकाई से दो प्रश्न पूछे जायेंगे। कुल दस प्रश्न होंगे जिनके विकल्प भी इसी इकाई से होंगे। प्रत्येक प्रश्न 7 अंक का होगा। इन प्रश्नों के उत्तर लगभग 250 शब्दों तक दिये जा सकते हैं।

(खण्ड—स)

इस भाग में चार विवेचनात्मक प्रश्न सम्पूर्ण पाठ्यक्रम में से बनाये जायेंगे, जिनमें से दो प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर लगभग 500 शब्दों में देना होगा। प्रत्येक प्रश्न पन्द्रह अंक का होगा। इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं।

Books Prescrie :

(a) For detailed study -

AORA-E-ADAB Edt. by : Majlis-e-Taaleemi, Educational Book House, Aligarh.

(b) For non-detailed study :

Delhi Ka Aakhri Yaadgar mushaira - Mira Far hat uallah Beig.

Ecine te ooin :

1. Sir Syed Ahmad Khan : Apni Madad Aap.
2. Saadat Hasan Manto : Manoor
3. Mohd. Husain Aad : Abdur Raheem Khanekhana Ki Fayyai.
4. Hali : Sir Syed Ke Akhlaq.

PAPER-II : POETRY

Content	M.M.	Marks
1. Explanations from the prescribed Ghazals	20	
2. Explanations of extracts from the prescribed Nazms.	20	
3. Appreciation of a prescribed Nazm	20	
4. Objective type ten questions on the poets and the forms of poetry.	20	
5. Life and works of a poet	20	
Total	100	

Books Prescribed :

Intekhabe Urdu Shairi (After 120)

Ek Abul Kalam Azmi

Pub. Educational Book House, Aligarh.

Examinable : :

1. Iqbal -
(a) Sir Saiyed Ki Ishaq Turbut
(b) Tulba-e Aligarh ke nam.
2. Josh - Kisan.
3. Fai - Mulaqaat
4. Makhadoom Mohiuddin - Chand Taron Ka Ban
5. Jameel Mahari - Bodul Mashregh
6. Noon Meem Rashid - Koan si Uljhan ko Suljhate Hen Hum
7. Meera Ji (completely deleted)
8. Majeed Amjad (completely deleted)

राजस्थानी साहित्य : द्वितीय वर्ष परीक्षा, 2006

इस परीक्षा में 100-100 अंकों के दो प्रश्न पत्र होंगे।

प्रथम प्रश्न पत्र : गद्य

पाठ्य पुस्तकें

इकाई - प्रथम

20 अंक

1. गावां में गांव सुहावणौ : लेखक डॉ. गोविन्दसिंह राठौड़
प्रकाशक : सुधन प्रकाशन, जोधपुर

इकाई - द्वितीय

20 अंक

2. नैणसी रो साको : लेखक डॉ. मनोहर शर्मा
प्रकाशक : राजस्थानी भाषा, साहित्य एवं संस्कृति
अकादमी, बीकानेर

इकाई - तृतीय

20 अंक

3. कनक सुन्दर : लेखक शिव चन्द्र भरतिया
प्रकाशक : आचार्य तुलसी, राजस्थानी शोध
संस्थान, गंगाशहर, बीकानेर

इकाई - चतुर्थ

20 अंक

4. उक्त तीनों पाठ्य पुस्तकों से ससंदर्भ व्याख्यात्मक प्रश्न

इकाई - पंचम

20 अंक

5. आधुनिक राजस्थानी गद्य का इतिहास।

उक्त पांचों इकाईयां तीन खण्डों में विभक्त होंगी, जिनमें निम्न प्रकार अंकों का विभाजन रहेगा।

खण्ड 'अ'

इसमें दस वस्तुनिष्ठ लघुतरात्मक प्रश्न होंगे। प्रत्येक इकाई में से दो प्रश्न होंगे। प्रत्येक प्रश्न एक अंक का होगा। ये दस प्रश्न विकल्प रहित होंगे। प्रत्येक प्रश्न का लघुतर लगभग 20 शब्दों में होगा।

(अंक 10)

खण्ड 'ब'

इस भाग में पाठ्यक्रम की प्रत्येक इकाई से दो प्रश्न पूछे जायेंगे। कुल दस प्रश्न होंगे जिनके विकल्प भी इसी इकाई से होंगे। प्रत्येक प्रश्न दस अंकों का होगा। प्रत्येक प्रश्न का उत्तर लगभग 250 शब्दों में दिया जा सकता है।

(अंक 50)

खण्ड 'स'

इस भाग में चार विवेचनात्मक प्रश्न पूछे जायेंगे जिनमें से दो प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर लगभग 500 शब्दों में देना होगा। प्रत्येक प्रश्न बीस अंक का होगा। इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं।

(अंक 40)

टिप्पणी : प्रत्येक इकाई पर आलोचनात्मक प्रश्न पुस्तक, विषयवस्तु इत्यादि पर पूछे जा सकते हैं और दो व्याख्याएँ 10-10 अंकों की पूछी जा सकती हैं।

द्वितीय प्रश्न पत्र – पद्य

पाठ्य पुस्तकें

इकाई – प्रथम

20 अंक

1. हंसतोड़ा होठां रो सांच : लेखक आईदानसिंह भाटी
प्रकाशक : धरती प्रकाशन, बीकानेर

इकाई – द्वितीय

20 अंक

2. चतुर चिन्तामणि : लेखक महाराज चतुर सिंह
प्रकाशक : महाराणा मेवाड़ पब्लिकेशन ट्रस्ट
प्रकाशन, उदयपुर

इकाई – तृतीय

20 अंक

3. नागदमण : सम्पादक मूलचंद प्राणेश
प्रकाशक : भारतीय विद्या मंदिर, शोध प्रतिष्ठान,
बीकानेर

इकाई – चतुर्थ

20 अंक

4. उक्त तीनों पाठ्य पुस्तकों से ससंदर्भ व्याख्यात्मक प्रश्न

इकाई – पंचम

20 अंक

तत्सम्, तद्भव, एवं वयण सगाई अलंकार (भेद, लक्षण उदाहरण सहित)

उक्त पांचों इकाईयां तीन खण्डों में विभक्त होंगी जिनमें इस प्रकार अंकों का विभाजन रहेगा –

खण्ड 'अ'

इसमें दस वस्तुनिष्ठ लघुतरात्मक प्रश्न होंगे। प्रत्येक इकाई में से दो प्रश्न होंगे। प्रत्येक प्रश्न एक अंक का होगा। ये दस प्रश्न विकल्प रहित होंगे। प्रत्येक प्रश्न का लघुतर लगभग 20 शब्दों में होगा।

(अंक 10)

खण्ड 'ब'

इस भाग में पाठ्यक्रम की प्रत्येक इकाई से दो प्रश्न पूछे जायेंगे। कुल दस प्रश्न होंगे जिनके विकल्प भी इसी इकाई से होंगे। प्रत्येक प्रश्न दस अंकों का होगा। प्रत्येक प्रश्न का उत्तर लगभग 250 शब्दों में दिया जा सकता है।

(अंक 50)

खण्ड 'स'

इस भाग में चार विवेचनात्मक प्रश्न पूछे जायेंगे जिनमें से दो प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर लगभग 500 शब्दों में देना होगा। प्रत्येक प्रश्न बीस अंक का होगा। इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं।

(अंक 40)

टिप्पणी : प्रत्येक इकाई पर आलोचनात्मक प्रश्न पुस्तक, विषयवस्तु काव्यपक्ष इत्यादि पर पूछे जा सकते हैं और दो व्याख्याएँ 10-10 अंकों की पूछी जा सकती है।

SECOND YEAR ARTS 2005-2006

HISTORY

SCHEME

Two Papers Min. Pass marks : 2 Max. Marks 200

Paper - I 3 hrs. duration M.M. 100

Paper - II 3 hrs. duration M.M. 100

Note : Each question paper will be divided into three sections. Section A will contain 10 compulsory questions 2 from each unit of 1 mark each. Answer will have to be given upto a limit of 25 words. Section B will contain 10 questions, 2 from each unit of 10 marks each. Candidates will have to answer 5 questions picking from each unit with a word limit of upto 250 word Section C will contain 4 questions out of which candidates will have to answer any 2. Each question will be of 20 marks and the word limit is upto 500 words.

Sections	No. o estions	Marks	or i it
Section A	10 (Compulsory)	10 Marks (1 mark each)	25 words
Section B	5 (One from each unit)	50 Marks (10 marks each)	250 words
Section C	Any 2 from 4 (20 marks each)	40 Marks	500 words

SECOND YEAR ARTS 2005-2006

HISTORY (PASS COURSE)

PAPER-I HISTORY OF INDIA FROM A.D. (1707-1884)

Unit-I

Advent of European power, Portuguese, French and English. Understanding the mid eighteenth century, political, economic and cultural trends, expansion and consolidation of British Empire.

Unit-II

Tools of expansion War and Diplomacy, Bengal, Mysore, Maratha, North East, Awadh, Central India, Sindh and Punjab.

Unit-III

Subsidiary alliance and Treaties of 1818 with Rajputana states, Doctrine of lapse. Growth of colonial administrative apparatus central, provincial, district and Judicial administration.

Unit-IV

Land revenue settlements, permanent settlement, Rayatwari and Mahalwari, condition of peasants, rural indebtedness and recurrent famines, commercialization of agriculture and de-industrialization. Nature of colonial economy, rise of modern industry.

Unit-V

Social Changes :

Spread of Western education. Rise of professional classes and emerging intelligentsia, growth of English vernacular press. Indian Renaissance. Socio-cultural movements, popular resistance of company's rule: peasant and tribal movements, Revolt of 1857, causes nature and results.

Books Recommended :

1. Tara Chand : History of Freedom movement (Vols. I to IV)
2. Majumdar R. C. : An advanced History of India
3. Bipin Chandra : Modern India
4. Ayodhya Singh : Bharat Ka Mukti Sangram
5. Mathur L. P. : Adhunik Bharat Ka Itihas
6. Grover B. L. : Adhunik Bharat
7. Jain M.S. : Adhunik Bharat
8. Mahajan V. D. : Adhunik Bharat Ka Itihas
9. Rai Satya : Bharat Me upniveshvad
10. Pandey R. P. : Bhartiya Samajik Vicharak
11. Shukla R. L. : Adhunik Bharat Ka Itihas
12. IGNOU Course Material (English Hindi) : (1857 to 1858)

PAPER-II
HISTORY OF INDIA (1885-1950) A.D.

M.M. 100

Unit I

National Movement:

Emergence of organized nationalism, political association and the Indian national Congress, Moderates, Extremists, Home rule league and the Revolutionaries in India and abroad, emerging communal trends in the early nationalist movement.

Unit II

Gandhian Era:

Rise of Gandhi and the nature of the Gandhian movement's. Non-cooperation movement, Civil disobedience movement, Quit India movement, Swaraj Party, Revolutionary left wing movements, Congress Socialist party and the Communist party of India. Peasant and Trade union movements.

Unit III

Working of the Congress ministries, Subhash Chandra Bose and the Indian national army, Royal Indian Navy mutiny, Communal Triangle and partition.

Unit IV

Constitutional Development

Constitutional development up to 1950, Impact of the first world war, Government of India act 1935, Simon

commission, Nehru report, Communal award, Poona pact, August offer, Cripps mission, Wavell plan, Cabinet mission, Mountbatten plan.

Unit V

India 1947-1950

Princely states: accession and integration of the Indian states, making of the Indian constitution, salient features of Indian Constitution social economic and literacy trends of the era.

Books Recommended

1. Mathur L. P. : Adhunik Bharat Ka Itihas
2. Sharma Ram : Bharat Main Angreji Raj Bhag
1 2
3. Bipin Chandra : Bharat Main Svatantrata
Sangharsh
4. Jain M.S. : Adhunik Bharat
5. Desai A.R. : Bhartiya Rashtravad ki
Samajik Prashtabhumi
6. Menon V. K. : Autobiography
7. Sarkar Sumit : History of Modern India
8. Rai Satya : Bharat Main Rashtravad
9. Grover B.L. : Swatantrata Sangram Ka
Samvedhanik Itihas
10. Ram Gopal : Bharat ka Swatantrata
Sangram
11. Gaur Meena : Adhunik Bharat ka Itihas

PHILOSOPHY

**PAPER - I
LOGIC**

UNIT-I

Definition of Logic :

Terms - Connotation and Denotation of Terms.

Classification of Terms - Definition -

Rules of Definition - Limits and Uses of Definition.

UNIT-II

Proposition : Analysis of Proposition - Traditional
Classification of Propositions - Reduction of Sentences
into Logical Forms - Distribution of Terms - Import of
Propositions - Universe of Discourse - Predicables -
Opposition of Propositions.

UNIT-III

Syllogism : Characteristics of Syllogism - General
Rules of Categorical Syllogism.

Venn Diagram Technique for Testing Validity of
Syllogism.

UNIT-IV

Characteristics of Induction - Hypothesis : Origin of
Hypothesis - Conditions of Legitimate Hypothesis,
Observation and Experiment.

UNIT-V

Experimental Method - J.S.Mill's Method of Experi-
mental Equiry - Analogy, Scientific Explanation.

Books Reco en e

1. अशोक कुमार वर्मा : सरल निगमन तर्कशास्त्र
2. अशोक कुमार वर्मा : सरल आगमन तर्कशास्त्र
3. संकटा प्रसाद सिंह : आधुनिक तर्कशास्त्र की भूमिका
4. I.M.Copi : Introduction of Logic
5. Cohen Negal : Logic Scientific Method
6. राज्यश्री अग्रवाल : तर्कशास्त्र
7. कृष्णा जैन : तर्कशास्त्र
8. प्रिया दत्त : आगमनात्मक तर्कशास्त्र
9. केदारनाथ सिंह एवं शशिभूषण सिंह : निगमन तर्कशास्त्र
10. – उपरोक्तानुसार – : आगमन तर्कशास्त्र

PAPER - II E T H I C S

UNIT-I

The nature scope of Ethics.
The Psychology of moral action. The nature of desire,
Motive and Intentions, Psychological Hedonism.

UNIT-II

The Development of Morality - Level of Instinct, Level
of Custom and Level of Conscience.
Standard as Intuition (Butler).
Standard as Pleasure (Bentham Mill).

UNIT-III

Standard as Law (Kant).

UNIT-IV

Standard as Value, Theories of Punishment, Virtue

UNIT-V

Karma Yoga

Purusharthas, Varnashram, Trividh Rinas

Books Recommended :

1. William Lillie : Introduction of Ethics
2. Mackenzie : Manual of Ethics

3. संगम लाल पाण्डे : नीतिशास्त्र का सर्वेक्षण
4. विनोबा भावे : गीता प्रवचन
5. रामनाथ शर्मा : नीतिशास्त्र की रूपरेखा
6. ईश्वरचन्द्र शर्मा : पश्चिमी आचार शास्त्र का
आलोचनात्मक अध्ययन
7. मिश्र और अवस्थी : नीतिशास्त्र की भूमिका
8. एच.एन. मिश्र : नीतिशास्त्र
9. शुकदेव शास्त्री : भारतीय नीति दर्शन
10. J.S.Sinha : Ethics
11. दिवाकर पाठक : भारतीय नीतिशास्त्र का इतिहास
12. अशोक कुमार वर्मा : नीतिशास्त्र की रूपरेखा

SECOND YEAR ARTS 2005-2006

MUSIC

VOCAL AND INSTRUMENTAL

THEORY PAPER - I

Time : 3 Hrs.

M.M. 40

UNIT - I

1. Critical and comparative study of all the following Ragas.

- | | |
|-------------------------|------------------------|
| (i) Kamod | (ii) Kedar |
| (iii) Brindawani Sarang | (iv) Bihag |
| (v) Bhoopali | (vi) Bahar |
| (vii) Miya Malhar | (viii) Puriya Dhnashri |
| (ix) Bhairvi | (x) Basant |

2. Fully description of following Tals :

- | | |
|-------------------|------------------|
| (i) Tilwara | (ii) Sool Tal |
| (iii) EK Tal | (iv) Chautal |
| (v) Dhamar | (vi) Ada Chautal |
| (vii) Deep Chandi | (viii) Dadra |

Unit - II

3. Writing of Geet or Gat with Notation in Prescribed Ragas.
4. To recogni ed the Ragas by given notes.

Unit - III

5. Detailed study of Notation system of Pt. Palushkar and Comparison with Pt. Bhatkhande Notation system.
6. Gaykon aur Vadkon ke Gun Avgun.

Unit - IV

- . Description of following Gharana :

- | | |
|--------------|-------------|
| (i) Gwalior | (ii) Jaipur |
| (iii) Kirana | |

8. Life Sketches of :

- | | |
|-------------------------|----------------------|
| (i) Bade Gulam Ali | (ii) Bhimsen Joshi |
| (iii) Onkarnath Thankur | |
| (iv) Ravi Shanker | (v) Abdul Karim Khan |

Unit - V

- . Detailed study of Geet Prakars of Hindustani Sangeet.
10. Classification of Indian Classical Instruments.

SECOND YEAR ARTS 2005-2006

INDIAN MUSIC

VOCAL AND INSTRUMENTAL THEORY PAPER – II

Time : 3 Hrs.

M.M. 40

UNIT – I

1. Detailed Study of Harmony Melody.
2. Detailed study of staff Notation.

UNIT – II

3. Shruti Swar Swasthan according to Bharat and Sarang Dev.
4. Comparative study of North Indian Music and South Indian Music.

UNIT – III

5. History of Indian Music with reference to Medieval Period.
6. Detail study of 2 Mels of Pt. Venkayatkumhari and 10 That's of Pt. Bhat Khande.

UNIT – IV

7. Frequencies of Indian Musical Notes.
8. Modern Indian Musical Scale and Major and Minor Scale of Western Music.

UNIT – V

9. Steps taken by Government of India to Popularise Indian Classical Music.
10. Short essay on the subject of general Musical interest.

SECOND YEAR ARTS 2005-2006

MUSIC

VOCAL AND INSTRUMENTAL PRACTICAL

Time : 45 MIN.

M.M. 120

The following Ragas are Prescribed in Second Year Arts :

- | | |
|-------------------------|-------------------|
| (i) Kamod | (ii) Kedar |
| (iii) Brindawani Sarang | |
| (iv) Bihag | (v) Bhoopali |
| (vi) Bahar | (vii) Miya Malhar |
| (viii) Puriya Dhnashri | |
| (ix) Bhairvi | (x) Basant |

The following Tals are Prescribed in Second Year Arts.

- | | |
|-------------------|------------------|
| (i) Tilwara | (ii) Sool Tal |
| (iii) EK Tal | (iv) Chautal |
| (v) Dhamar | (vi) Ada Chautal |
| (vii) Deep Chandi | (viii) Dadra. |

1. To sing and To play a piece whose Notation is given and To recognise the Raga when sung.
2. To show the difference of Ragas by Means of Characteristics of swar vistar of all Ragas prescribed.
3. Prepare Aroh, Avroh, Pakad and Swar, Vistar and Chhota Khayar or fast Gat of all Prescribed Ragas.

- 4 Prepare Slow Khayal or Slow gat with detailed Goyaki in any Three of the Prescribed Ragas.
- 5 To sing one Dhrupad and one Dhamar with Dugun Chogun from Prescribed Ragas or To play one Ragas in other than Trital.
- 6 To know orally the Thekas with Dugun Tigun, Chaugun To mark time with hands and To recognise the Prescribed Tals when played on Tablas.

One Tarana.

- 8 One Gha al or Bhajan or Dhun.

To play one Chota Khayal on Harmonium.

DIVISION O MARKS

Theory Paper First	3 Hours	40 M.M.
Theory Paper Second	3 Hours	40 M.M.
Practical	45 Min.	120 M.M.
(1) Choice Rag		20 Marks
(2) uestion Rag Vilambit Khayal/ Slow Gat		20 Marks
(3) uestion Rag Drut Khayal/ Fast Gat		14 Marks
(4) Dhrupad Dhamar/Gat Other Then trital		10 Marks

(5) Tarana	6 Marks
(6) Harmonium Play/Tuning of Instrument	10 Marks
() Alap in Rag of Examiner Choice	20 Marks
(8) Tal	10 Marks
() Bhajan/Gha al/Dhun	10 Marks
Total	120 Marks

Books Reference :

1. Short Historical survey of Music of Northern Indian by Bhatkhande.
2. Sangeet ke Jihan Prashtha by S.N. Raj.
3. Hamara Sangeet.
4. Sangeet Visharad.
5. Comparative Study of Music of 15th, 16th, 1th Century of Bhatkhande.
6. Sangeet Kaumudi by Nigam.
 - . Hindustani Music its Physics and Aesthetics by Raj Bhaiya Puchawale.
8. Hindustani Sangeet Paddti by Bhatkhande.
 - . Kramik Pustak Malika 1 to 6

All Books are published by Sangeet Karyalaya, Hathras.

SECOND YEAR T.D.C. ARTS 2005 - 2006

DRAWING & PAINTING

There will be two parts in the Examinations - **Part A**
Part B.

Note : 6 Periods (of hour each) teaching is necessary for **Part A** Paper I & II and Four periods (one hour each) for part-B.

It is compulsory to pass in each of the part separately.

PART - A

There shall be two papers of 80 and 40 marks each.

PAPER I

Time Duration - 5 hours **Marks 80**

1. Study of full figure showing broad masses of light and shade clearly bringing out the modelling of the figure and drapery. (3 hours-50 Marks)
2. Study of limits. (1 hours-15 Marks)
3. Rapid sketches from life in 2 or 3 different poses. Medium Pencil or Charcoal.

Time : Half Imperial (Hours-15 Marks)

PAPER-II HISTORY OF INDIAN PAINTING AND SCULPTURE

Time Duration 3 hours **Marks 90**

PAINTING

Unit I

Prehistoric Art - Ajanta Bagh and Sigiriya.

Unit II

Jain painting, Rajasthani, Pahari, Mughal School of painting.

Unit III

Bengal Renaissance, Ravindra nath Tagore, Nand Lal Bose, Avanindra Nath Tagore and his disciples.

Unit IV

Contemporary artists such as Amrita Shergil, N.S. Bendre, M.F. Hussain, K.K. Hebbar and Binod Bihari Mukherjee.

Unit V

Sculpture - Mohanjodaro, Harrappa, Maurya Period, Sung period, Mathura, Gandhar and Medieval period.

Examination for II year T.D.C. Arts will be divided in three sections.

Section A

In this section ten short questions from all the five units will be asked. Maximum 10 Marks

Section B

Ten questions be asked from five units. Two questions be asked from a unit. Examinees shall attempt only five questions.

The answers of these questions will be in two hundred fifty words. Maximum 50 Marks

Section C

Four questions out of five units. Two descriptive questions be asked.

Candidate should attempt only two questions.

Answer should not be less than five hundred words.

Maximum 30 Marks

PART B

Marks 30

Sketch copy (1/8 Imp. Si e) containing not less than 50 pages of sketches of human figure in groups, market, crowded places, streets, transport and landscapes etc.

Note:

1. The work will be submitted to the superintendent of the examinations centre, Head of Department (Drawing and Painting) one month before the commencement of exam. Sketch copies will be verified by the teacher concerned. Marks will be awarded by the teacher concerned. The marks will be forwarded by the Head of Department along with sketch copies to the University. Sketch copies will be returned to the candidates by the University after one month of the announcement of the result.
2. For the repeaters and failure (Other than Drawing and Painting Part B) there is no need for submitting the sketch copies. Their previous marks would be continued for their results.

SECOND YEAR ARTS 2005-2006

OREST RESOURCES AND THEIR UTILIATION

PAPER-I ELEMENT O ORESTRY

Unit-1

Socio-economic and cultural role of forests. Identification of forest plants in Banswara.

Unit-2

Forest Geography Locality. Factors Edaphic, Climatic and Biotic in relation to forests.

Unit-3

Impact of growing urbani ation of forests.

Unit-4

Forest Sociology Social forestry, Agro-forestry, Urban forestry and Recreational forestry.

Unit-5

Forest Management and Protection (1) Conservation of existing and regeneration of existing and new forests, (2) Study of main silvicultural systems of India, (3) Forests as an eco-system.

Note:

The paper setter is required to set questions of 3 types contained in 3 Sections (**Section A**- 10 questions, **Section B**- 10 questions and **Section C**- 4 questions)

from the 5 units of each paper. There will be 10 questions in **Section A** which will be asked from all the 5 units, i.e., 2 questions from each unit. These questions have to be answered in one word or a few words only. Each question will be of half mark . All the questions in **Section A** are compulsory. In **Section B** 10 questions will be set from the 5 units, i.e., 2 questions from each unit. Students are required to attempt at least 1 question from each unit. Each question will carry 5 marks . The answers of each question should be given in about 250 words. In **Section C** there will be 4 descriptive type questions set from all the 5 units, not more than 1 question from each unit. These questions may also have subdivisions. The students are required to answer 2 questions, each in approximately 500 words. Each question will carry 10 marks .

In short, pattern of question paper and distribution of marks for UG classes will be as under :

Section A : 10 questions, 2 questions from each unit, short answer, all questions compulsory.

Total marks : **05**

Section B : 10 questions, 2 question from each unit, 5 question to be attempted, at least 1 from each unit, answer approximately in 250 words. Total marks : **25**

Section C: 04 questions (question may have subdivision), not more than 1 question from each unit, descriptive type, answer in about 500 words, 2 questions to be attempted. Total marks : **20**

PAPER-II

OREST BASED INDUSTRIES

Unit-1

Beedi Industry, Pulp and Paper Industry.

Unit-2

Gum Paste Industry, Wood Products, Tanning Industry,

Unit-3

Pattal-Dona Industry, Match Stick, Medicinal Plants,

Unit-4

Alcohol Industry based on Mahua, Vinegar, Varnish and Paints, Bamboo Industry.

Detailed Plan of the Course of above mentioned industries will be as below :

1. Historical background of the industry.
2. Growth and development of the industry in India with special reference to Rajasthan.
3. Problems of the Industry Raw material, Capital labour and Marketing etc.
4. Agencies for finance and their terms and conditions.
5. Setting-up of an industry : working plan.

6. Commissions and committees set up by the State as well as Central Government to suggest the possible measure to overcome the difficulties. Their main findings and recommendations.

Unit-5

Forest Economics : (1) Forest Livelihood Forest contribution to GNP, (2) Economic implications forest and their role in agriculture, (3) Forest and rural development.

(Details in respect of Beedi Industry have been worked out : leaf collection. gardening, storage, curling of leaves, accommodation, tools and techniques, Capital resources, Labour, Marketing).

Note:

The paper setter is required to set questions of 3 types contained in 3 Sections (**Section A**- 10 questions, **Section B**- 10 questions and **Section C**- 4 questions) from the 5 units of each paper. There will be 10 questions in **Section A** which will be asked from all the 5 units, i.e., 2 questions from each unit. These questions have to be answered in one word or a few words only. Each question will be of half mark . All the questions in **Section A** are compulsory. In **Section B** 10 questions will be set from the 5 units, i.e., 2 questions from each unit. Students are required to attempt at least 1 question from each unit. Each question will carry 5 marks . The answers of each question should be given in about 250 words. In

Section C there will be 4 descriptive type questions set from all the 5 units, not more than 1 question from each unit. These questions may also have subdivisions. The students are required to answer 2 questions, each in approximately 500 words. Each question will carry 10 marks .

In short, pattern of question paper and distribution of marks for UG classes will be as under :

Section A : 10 questions, 2 questions from each unit, short answer, all questions compulsory.

Total marks : **05**

Section B : 10 questions, 2 question from each unit, 5 question to be attempted, at least 1 from each unit, answer approximately in 250 words. Total marks : **25**

Section C : 04 questions (question may have subdivision), not more than 1 question from each unit, descriptive type, answer in about 500 words, 2 questions to be attempted. Total marks : **20**

PRACTICAL

Max. Marks : 60

Time : 4 Hrs.

2 Practical of Marks each 3 Hours Duration Each

Practical and Field Work

Practicals based on Part I & II

1. Study of plants parts.
2. Excursions to old and new forest areas and nurseries.
3. Identification of principal types of Soils in Banswara division and tree species associated with them.
4. Identification of different types of rocks.
5. Identification of economically important tree seeds and vegetative propagation of commercial timbers. Visit to seed orchards and other concerned places. Description of a Forest Division.
6. Collection of field data regarding felling and regeneration of forest-trees.

. Demonstration of various components of a forest ecosystem, preparation of check list of economically important forest species of plants and animals of Banswara Forest Division.

8. Collection of information of various uses of plants by tribal people in their daily use in their customs and ceremonies.
9. Elementary knowledge of forest mapping and reading.
10. Acquaintance with the main pests and their diseases causing organism.
11. Visit to few forest based industrial establishments and submission of a brief report on it.
12. Identification of raw materials of the industry chosen by the candidate.
13. Collection of raw materials and their proper storage.
14. Knowledge of adulteries/substitutes of the raw materials.
15. Processing techniques of the raw material and prevention of it.

Note:

**A Botanica e c rsion st e a e co sor
or RU st ents to so e areas it in an o tsi e
Raast an.**

Note:

The paper setter is required to set questions of 3 types contained in 3 Sections (**Section A**- 10 questions, **Section B**- 10 questions and **Section C**- 4 questions)

from the 5 units of each paper. There will be 10 questions in **Section A** which will be asked from all the 5 units, i.e., 2 questions from each unit. These questions have to be answered in one word or a few words only. Each question will be of half mark . All the questions in **Section A** are compulsory. In **Section B** 10 questions will be set from the 5 units, i.e., 2 questions from each unit. Students are required to attempt at least 1 question from each unit. Each question will carry 5 marks . The answers of each question should be given in about 250 words. In **Section C** there will be 4 descriptive type questions set from all the 5 units, not more than 1 question from each unit. These questions may also have subdivisions. The students are required to answer 2 questions, each in approximately 500 words. Each question will carry 10 marks .

In short, pattern of question paper and distribution of marks for UG classes will be as under :

Section A : 10 questions, 2 questions from each unit, short answer, all questions compulsory.

Total marks : **05**

Section B: 10 questions, 2 question from each unit, 5 question to be attempted, at least 1 from each unit, answer approximately in 250 words. Total marks : **25**

Section C: 04 questions (question may have subdivision), not more than 1 question from each unit, descriptive type, answer in about 500 words, 2 questions to be attempted. Total marks : **20**

SECOND YEAR ARTS 2005-2006

PSYCHOLOGY

General Instructions :

1. There will be two theory papers of 100 marks each and Practical of 30 marks in each paper. The candidate will be required to pass separately in theory and practical examination.
2. Each theory paper will require four teaching periods of 45 minutes and four practical periods per week per paper. Practical class will consist of a group of 20 students.
3. Each paper will have three sections from all the five units. Number of question distribution of marks will be as under :

Section-A : This section will consist of 10 objective type questions covering each unit. Each question will be of one mark and there will be no choice in these questions **(10 marks)**

Section-B : This section will consist of 5 questions having two questions from each unit and alternatives will be from same unit. Each question will consist of 4 marks. The answer of the question can be given in 250 words **(20 marks)**

Section-C : This section will have four descriptive type questions, out of which two questions have to be answered. Each question has to be answered in 500 words. These questions will be of 20 marks, each one question may have two parts. **(40 Marks)**

4. Scheme :

Two papers Min.Pass Marks : 50 Max.Marks : 140

Paper I 3 hrs. duration Marks 100

Paper II 3 hrs. duration Marks 100

Practical 3 hrs. duration
Marks 60 Min. Pass Marks - 22

PAPER-I
PSYCHOLOGICAL STATISTICS AND
RESEARCH METHODOLOGY

Unit-I

Frequency distribution, Histogram, Polygon, Measures of Central tendency: Mean, Median, Mode.

Unit-II

Measures of Variability: Range, quartile-deviation, Average deviation, Standard deviation.

Unit-III

Testing of significance of difference: Standard error of mean. Correlation: Meaning, Rank Difference Method and Product Moment Method.

Unit-IV

RESEARCH PROBLEM AND HYPOTHESIS : Research problem meaning, manifestation of problem and criteria of good problem. Hypotheses : Meaning, Types, Criteria of good hypotheses and formulation of Hypotheses.

Unit-V

VARIABLES : Variables : Meaning, types of variable Independent, Dependent, Intervening and Extraneous variables.

EXPERIMENTATION : Meaning of Experiment, Types of Experiment, Experimental Method, Experimental Control and Techniques of Control.

Books Recommended :

1. Garrett, H.E. : Statistics in Psychology and Education, Mumbai, Vakil Retner Siemins.
2. Townsend, T.C. : Introduction to an Experimental Method.
3. Mc Guigan : Experimental Psychology.
4. श्रीवास्तव, डी. एन. : शिक्षा और मनोविज्ञान में सांख्यिकी
5. कपिल, एच. के. : शिक्षा और मनोविज्ञान में सांख्यिकी
6. Srivastava, D.N. : Elementary Statistics in Psychology and Education. Harprasad Bhargava, Kachari Ghat, Agra.
7. जैन, मधु : शिक्षा और मनोविज्ञान में सांख्यिकी
8. वर्मा, प्रीति एवं डी.एन. श्रीवास्तव : शिक्षा और मनोविज्ञान में सांख्यिकी

PAPER-II PSYCHOPATHOLOGY

Unit-I

Concept and Criteria of Abnormal Behaviour. Causes of Abnormal Behaviour Biological, Psycho-social and Socio-cultural.

Unit-II

Motivation and adjustment : Motives, Adjustment Process and Stress Reactions Mental mechanisms, General Adaptational Syndrome.

Psycho neuroses : Hysteria, Anxiety disorders, obsessive compulsive state.

Unit-III

Psychoses : Types of schizophrenia, Manic Depressive Psychosis and paranoia, Mental Retardation Its types, causes and treatment

Unit-IV

Psycho-physiological disorders : systems and dynamics of respiratory cardiovascular, gastro-Intestinal, Genito-Urinary. Therapies : Psychotherapy and Behaviour Therapy, Assumptions and types

Unit-V

Psychological Assessment : MPI, TAT, SCT, Rating Scale, psychological case history. Mental health : Meaning, importance and organized effort. Prevention: Primary, Secondary Tertiary.

Books Recommendation :

1. Mangal : Abnormal Psychology, Harprasad, Bhargava, Agra.
2. Page, J.D. : Psycho-dynamics of Abnormal behaviour.
3. Coleman : Abnormal Psychology Modern Life.
4. अरुण कुमार सिंह : असामान्य मनोविज्ञान, बनारसीदास प्रकाशन- 2001
5. Maslow, A.H. and Mittleman, B.B. : Principles of Abnormal Psychology
6. Shnumugam, T.E. : Abnormal Psychology
लाभ सिंह एवं डॉ. गोविन्द तिवारी : असामान्य मनोविज्ञान, हरप्रसाद भार्गव, कचहरी घाट, आगरा
8. जयगोपाल त्रिपाठी : असामान्य मनोविज्ञान, हरप्रसाद भार्गव, कचहरी घाट, आगरा
डॉ. आर. के. ओझा : असामान्य मनोविज्ञान, हरप्रसाद भार्गव, कचहरी घाट, आगरा
10. डॉ. एच. के. कपिल : असामान्य मनोविज्ञान, हरप्रसाद भार्गव, कचहरी घाट, आगरा
11. मखिजा : असामान्य मनोविज्ञान, हरप्रसाद भार्गव, कचहरी घाट, आगरा
12. रस्तोगी घनश्यामदास : असामान्य मनोविज्ञान, हरप्रसाद भार्गव, कचहरी घाट, आगरा
13. डी. एन. श्रीवास्तव : असामान्य मनोविज्ञान, हरप्रसाद भार्गव, कचहरी घाट, आगरा

PSYCHOLOGY PRACTICAL

Note : Students have to complete any six practicals of Psychological statistics and Research Methodology and six practicals of psychopathology under the supervision of the teacher concerned. Marks in the examination will be awarded on the basis of regularity and conceptual understanding.

PAPER-I PSYCHOLOGICAL STATISTICS AND RESEARCH METHODOLOGY

1. To set up frequency distribution table for given Data
2. To draw frequency polygon and histogram
3. Computation of Mean, Median and Mode from grouped data
4. Calculation of .D., A.D. and S.D.
5. Rank difference correlation
6. Product Moment
 - . Identification of variable Independent and Dependent
8. Formation of Problem and Hypothesis
 - . Experimentation
10. Any (Teachers' Choice)

PAPER-II PSYCHOPATHOLOGY

1. Anxiety
2. Mental Retardation
3. Insecurity
4. Semi-Projective Test.
5. Stressful Life Events.
6. E.P.I.
 - . Self Concept
8. Study of Frustration
 - . Body Image.
10. Any (Teacher's Choice).

SECOND YEAR SOCIOLOGY 2005-06
(E a . 2006)

There will be Two Theory papers of 100 marks each.

Paper I : Social Research Methods

Paper II : Issues and Problems in Indian Society

Detailed contents of Papers :

PAPER-I
SOCIAL RESEARCH METHODS

M.M. 100

UNIT-A

Social Research : Meaning and Types.

Scientific Methods : Objectivity and Empiricism.

Steps of Social Research.

UNIT-B

Formulation of Problems.

Hypothesis : Concept, Sources and Importance.

Logic : Meaning and Types.

UNIT-C

Data : Primary and Secondary.

Sampling Methods : Meaning and Types.

UNIT-D

Methods of Research : Qualitative Methods - Ethnography, Observation, Case Study and Content Analysis.

Quantitative Methods - Questionnaire, Schedule and Interview.

UNIT-E

Classification and Tabulation of Data.

Measures of Central Tendency- Mean, Median and Mode.

Statistical Analysis of Correlation, Correlation of Coefficient (r and Rho).

Essential References :

Bajaj and Gupta. 1 2. Elements of Statistics. New Delhi: R Chand and Co.

Beteille, A and T. N. Madan. 1 5. Encounter and Experience, Personal Accounts of Fieldwork. New Delhi: Vikas Publishing House.

Bryman, Alan. 1 88. Quality and Quantity in Social Research. London: Unwin Hyman.

Garrett, Henry. 1 81. Statistics in Psychology and Education. David McKay. Indian Publication Mrs. A.F. Sheikh for Vakils, Bombay. Tenth Reprint.

Jayaram, N. 1 8 Sociology: Methods and Theory. Madras : MacMillian.

Kothari, C.R. 1 8 . Research Methodology : Methods and Techniques, Bangalore, Wiley Eastern.

Rawat, H.C., Samajik Anusandhan Ki Padhatiya (Hindi) : Rawat Publication, Jaipur.

Sharma, C.L. 1 : Samajik Anusandhan Survekshana Ki Unveshan Padhatiya (In Hindi) Raj. Hindi Granth Acd., Jaipur

Punch, Keith, 1 6 : Introduction to Social Research. London : Sage.

Shipman, Martin. 1 88. The Limitations of Social Research. London, Sage.

Srinivas, M.N. and A.M. Shah. 1 . Fieldworker and the Field. Delhi, Oxford.

Young, P.V. 1 88. Scientific Social Surveys and Research, New Delhi Prentice Hall.

P e a o :

The uses of techniques and methods have to be understood along with the perspective that governs research. An effort should be made to distinguish between techniques and methods. Moreover, the teachers may convey the message to the students that the social context of research and its methods is fundamental to their understanding and application.

The purpose of the course is to train students as good researches and investigators. For this reason, understanding of social reality, especially the local context, is imperative. Therefore, examples and illustrations may be drawn from local/regional contexts for effective teaching and meaningful learning.

The main effort may be devoted to making students do exercises in the class and, if possible, in the field. This will also make the course interesting and give students the necessary practice to apply the techniques and methods in the field situations as well as for data analysis.

Students may also be familiarized with published source material especially the census reports. Use of OHP for the reading and interpretation of tables, graphs etc. will be helpful.

PAPER-II
ISSUES AND PROBLEMS IN INDIAN SOCIETY

M.M. 100

UNIT-A

Social Problem : Concept and Causes.

Structural : Poverty, Unemployment - Concept, Causes and Remedies.

UNIT-B

Structural : Population Explosion, Inequality of Caste and Gender.

Problems of Scheduled Castes, Scheduled Tribes and Minorities.

UNIT-C

Familial : Dowry, Violence, Divorce, Intergenerational Conflict and Aging Problems.

UNIT-D

Developmental : Development induced Displacement, Ecological Degradation and Environmental Pollution, Consumerism, Crisis of Values.

UNIT-E

Disorganizational : Crime Delinquency, White Collar Crime, Corruption and Drug Addiction. Changing Profile of Crime Criminals.

Essentia Rea in s:

Beteille, Andre. 1 4. Social Inequality. New Delhi : OUP

Beteille, Andre. 1 2. Backward Classes in Contemporary India, New Delhi : OUP.

Berremen, G.D. 1 . Caste and Other Inequalities : Essays in Inequality. Meerut : Folklore Institute.

Dube, Leela 1 . Women and Kinship Comparative Perspectives on Gender in South and Southeast Asia. New Delhi. Sage Publications.

Gadgil, Madhava and Guha, Ramchandra. 1 6. Ecology and Equity : The Use and Abuse of Nature in Contemporary India. New Delhi : OUP.

Gill, S.S. 1 8. The Pathology of Corruption. New Delhi. Harper Collin Publishers.

Guha, Ranjit. 1 1. Subaltern Studies. New York : OUP.

Inden, Ronald. 1 0. Imaging India. Oxford : Brasill Blackward.

Kothari, Rajani (Ed). 1 3. Caste in Indian Politics.

Rajora, S.C. Samkalin Bharat Ki Samajik Samashyen (in Hindi) Jaipur : Raj. Hindi Granth Acad. 2000.

Madan, T.N. 1 1. Religion in India, New Delhi : OUP.

Ministry of Home Affairs. 1 8. Crime in India. New Delhi : Government of India.

Mahajan and Mahajan, 2003. Issues and Problems in Indian Society (Hindi), Vivek Prakashan.

Satya Murty, T.V. 1 6. Region, Religion, Caste, Gender and Culture in Contemporary India. New Delhi: OUP.

Sharma, S.L. 1 Towerds Sustaninable Development in India In S.R. Mehta (Ed.), Population, Poverty and Sustainable Development. Jaipur : Rawat Publications

Sharma, Ursula, 1 83. Women, Work and Property in North West India. London : Tavistock.

Ahuja, Ram, 1 8. Social Problem (in English Hindi both) : Rawat Pub.

Re erences :

Allen, Douglas (ED.) 1 1. Religion and Political Conflict in South Asia, West.

Port Conn : Connecticut University Press.

Bardhan, P. 1 84. Land, Labour and Rural Poverty, New Delhi.

Breckenbridge C. 1 6, Consuming Modernity : Public Culture in Contemporary India. New Delhi : OUP.

Guha, Ramchandra 1 4, Sociology and the Dilemma of Development. New Delhi : OUP.

Juergensmeir, Mark 1 3, Religious Nationalism Confronts the Secular State, New Delhi : OUP

Sharma, S.L. 2000, Empowerment Without Antagonism : A Case for Reformulation of Women's Empowerment Approach. Sociological Bulletin. Vol 4 No.1.

Waxman, 1 83. The Stigma of Poverty : A Critique of Poverty Theories and Policies.

Pe a o :

The course requires a pedagogy that seeks to project the issues and problems of contemporary India in a social structural perspective. For this purpose, the students have to be sensiti ed to the structural roots of the problems as well as to the effects of these problems on the existing social structure. In order to give the students a sympathetic understanding of the problems, it will be rewarding to use the methodology of role playing. The students may also be encouraged to make on the spot observations of the problems wherever and whenever they find the recurrence of these problems.

SECOND YEAR ARTS 2005-2006

RURAL DEVELOPMENT AND EXTENSION

SCHEME

Instructions for Examiner

परीक्षक के लिए निर्देश :

Section - A

(खण्ड-अ)

इस भाग में दस वस्तुनिष्ठ लघुउत्तरात्मक प्रश्न होंगे। प्रत्येक इकाई में से दो प्रश्न होंगे। प्रत्येक प्रश्न एक अंक का होगा। ये दस प्रश्न विकल्प रहित होंगे। (10 अंक)

This section will consist of 10 objective type questions covering each unit. Each question will be of one mark and there will be no choice in these questions.

(10 Marks)

Section - B

(खण्ड-ब)

इस भाग में पाठ्यक्रम की प्रत्येक इकाई से दो प्रश्न पूछे जायेंगे। कुल दस प्रश्न होंगे जिनके विकल्प भी इसी इकाई से होंगे। प्रत्येक प्रश्न 10 अंक का होगा। इन प्रश्नों के उत्तर लगभग 250 शब्दों तक दिये जा सकते हैं। (50 अंक)

This section will consist of 5 questions having two questions from each unit and alternatives will be from same unit. Each question will consist of 10 marks. The answer of the question can be given in 250 words. (50 Marks)

Section - C

(खण्ड-स)

इस भाग में चार विवेचनात्मक प्रश्न सम्पूर्ण पाठ्यक्रम में से बनाये जायेंगे, जिनमें से दो प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर लगभग 500 शब्दों में देना होगा। प्रत्येक प्रश्न बीस अंक का होगा। इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं। (40 अंक)

This section will have four descriptive type questions, out of which two questions have to be answered. Each question has to be answered in 500 words. These question will be of 20 Marks, each question may have two parts.

(40 Marks)

PAPER-I
RURAL DEVELOPMENT IN INDIA -
CONCEPTS AND STRATEGIES

M.M. : 100

Unit-I

Rural Development : Concept, Objectives, Scope and Significance of Rural Development.

Unit-II

Planned Change : Meaning, Objectives and Importance with Special Reference to Rural India.

A brief review of Rural Development Programmes since Independence, e.g. Community Development-Programme, Green Revolution, Tribal Sub Plan Adult Education.

Unit-III

I Plan-Problems and need of Irrigation facilities, Energy Supply and critical inputs (fertilisers, seeds pesticides). Thrust Area of plan.

Unit-IV

Rural Development Programmes Integrated Rural Development Programme (IRDP), Training of Rural youth for Self-employment (TRYSEM), Development of Women and Children in Rural Areas (DWCRA), Swarna Jayanti Gram Swarajgar Yojana (SJGSY), Drought Prone Area Programme (DPAP), Integrated

Child Development Services (ICDS), Rural Water Supply Programme (RWSP) and Water Shed Development (WSD).

Unit-V

Rural Credit : Role of Credit Institutions

- A) Co-operative Bank
- B) Regional Rural Bank
- C) National Bank for Agriculture and Rural Development (NABARD)

Books Reference :

- 1- K. Venkata Reddy : Rural Development in India
- 2- Directorate of Extension : Extension Education in Community, Ministry of Food and Agriculture Development, Government of India, New Delhi.
- 3- डॉ. वीरेन्द्र दुबे और डॉ. सुखबीर सिंह : भारत में प्रसार शिक्षा
- 4- डॉ. पी. एन. माथुर : कृषि प्रसार के सिद्धान्त
- 5- पी. मिश्रा : ग्रामीण अर्थशास्त्र
- 6- वीरेन्द्र प्रकाश शर्मा : ग्रामीण समाजशास्त्र
- 7- सी. एम. चौधरी : ग्रामीण विकास एवं सहकारिता

PAPER-II
PROBLEMS OF RURAL SOCIETY IN INDIA

M.M.: 100

Unit-I

Rural Illiteracy : Causes, Effects and Suggestions for Eradication of Illiteracy, Compulsory Primary Education, Efforts and Problems.

Unit-II

Rural Poverty, Gender Inequality, Child Marriage, Widow Remarriage, and Indebtedness (Causes and Effects.)

Unit-III

Problems of Scheduled Castes, Scheduled Tribes, Bonded Labour, Landless Labour, Rural Artisans and Rural Women.

Unit-IV

Problems of Rural Unemployment.
Problems of Rural Industries.
Problems of Health and Sanitation in Rural Community

Unit-V

Population Problem, National Policy for Population Control.

Rural Problems related to Agriculture such as Soil Erosion, Water Logging and Dairy Development.

Books Recommendation :

- 1— राम आहुजा : भारत में सामाजिक समस्याएँ
- 2— पी. मिश्रा : ग्रामीण अर्थशास्त्र
- 3— रविन्द्रनाथ मुखर्जी : भारत में सामाजिक समस्याएँ
- 4— जे. पी. यादव : हैण्डबुक ऑफ एग्रीकल्चर
- 5— आर. सी. मिश्रा : डब्ल्यू. एच. ओ. रिपोर्ट ऑन हेल्थ
- 6— सुरेश राजोरा : समकालीन सामाजिक समस्याएँ

SECOND YEAR ARTS (2005-2006)

ECONOMICS

Paper I - Macro Economics

Paper II - Money Banking and Public Finance

PAPER - I

MACRO ECONOMICS

Unit I

Nature Scope of Macro Economics, Difference between Micro Macro Economics. Concept and measurement of national income National income identities with government and international trade Incorporation of environmental concerns in national accounts- concept of green accounting. National income and welfare.

Unit II

Say's law of markets and the classical theory of employment Keynes' objection to the classical theory Aggregate demand and aggregate supply functions The principle of effective demand Consumption function - Average and marginal propensity to consume Factors influencing consumption spending.

Unit III

Theory of investment- Autonomous and induced investment, concept of marginal efficiency of capital,

savings and investment, ex post and ex ante, Classical and Keynesian theories of interest.

Unit IV

Business cycle- Meaning, characteristics and phase of business cycle. Theories of Business cycles- Hawtrey's monetary theory Hayek's over investment theory Keynes view on trade cycle concept of multiplier and accelerator. Control of trade cycles.

Unit V

Concept of economic growth and development. Factors of economic growth, measurement of growth, stages of growth (Rostow and Marx), Environmental issues and sustainable development. Balanced and unbalanced growth.

BASIC READING LIST

- ã Ackley, G. (1 6), *Macroeconomics: Theory and Policy*. Macmillan Publishing Company, New York.
- ã Day, A.C.L. (1 60). *Outline of Monetary Economics*, Oxford University Press, Oxford.
- ã Gupta, S.B. (1 4). *Monetary Economics*, S. Chand and Co., Delhi.
- ã Heijdra, B.J. and F.V. Ploeg (2001). *Foundations of Modern Macroeconomics*, Oxford University Press, Oxford.
- ã Lewis, M.K. and P.D. Mi an (2000). *Monetary Economics*, Oxford University Press, New Delhi.

- ã Shapiro, E. (1 6). *Macroeconomic Analysis*, Galgotia Publications, New Delhi.
- ã सेठी टी.टी. : मेको अर्थशास्त्र, लक्ष्मी नारायण अग्रवाल, आगरा
- ã सिंघई जी.सी. : समष्टि अर्थशास्त्र
- ã ओझा वी.एल. : समष्टि अर्थशास्त्र
- ã वैश्य एम.सी. : समष्टि अर्थशास्त्र
- ã सेठ एम.एल. : समष्टि अर्थशास्त्र

ADDITIONAL READING LIST :

- ã Dillard. D. (1 60). *The Economics of John Maynard Keynes*, Crosby Lockwood and Sons, London.
- ã Hanson. A.H. (1 53). *A Guide to Keynes*, McGraw Hill, New York.
- ã Higgins, B. (1 63). *Economic Development Principles, Problems and Policies*, Central Book Depot, Allahabad.
- ã Keynes, J.M. (1 36). *The General Theory of Employment, Interest and Money*, Macmillan London.
- ã Kindleberger, C.P. (1 58). *Economic Development*, McGraw-Hill Book Company. New York.
- ã Lucas. R. (1 81). *Studies in Business Cycle Theory*. MIT Press. Cambridge, Massachusells.
- ã Mier, G.M. and R.E. Baldwin (1 5). *Economic Development Theory History and Policy* Wiley Sons Inc., New York.
- ã Powelson, J.P.C. (1 60). *National Income and Flow of Funds Analysis*. McGraw Hill New York.

PAPER-II

MONEY BANKING AND PUBLIC FINANCE

Unit I

Money-meaning, functions and classification
Gresham's law Role of money in capitalist, socialist and mixed economies main components of money supply, concept of money multiplier.

Unit II

Quantity theory of money- Cash transaction and cash balance approaches, The Keynesian approach. Inflation, deflation and reflation - definition, types, causes and effects of inflation on different sectors of the economy Demand pull and cost-push inflation Measures to control inflation Trade-off between inflation and unemployment (Phillips curve).

Unit III

Commercial banks- Meaning, types and functions, The process of credit creation, limitations to credit creation, liabilities and assets of banks.

Functions of central bank, quantitative and qualitative methods of credit control- bank rate policy, open market operations, variable reserve ratio and selective methods Role and functions of the Reserve Bank of India Objectives and limitations of monetary policy with special reference to India.

Unit IV

Public finance- Meaning and Scope, Distinction between private and public finance. Public goods v/s private goods The Principle of maximum social advantage, Role of the government. Meaning classification and principles of public expenditure. Canons and effects of public expenditure.

Unit V

Sources of public revenue Taxation Meaning, canons and classification of taxes Division of tax burden - The benefit and ability to pay approaches Impact and incidence of taxes. Taxable capacity Effects of taxation Characteristics of a good tax system. Sources of public borrowing Effects of public debt Methods of debt redemption, Basic concept and components of union budget.

BASIC READING LIST

- ã Ackley, G. (1 8). *Macroeconomics : Theory and Policy*, Macmillan Publishing Co., New York.
- ã Bhargava, R.N. (1 1). *The Theory and Working of Union Finance in India*, Chaitanya Publishing House, Allahbad.
- ã Gupta, S.B. (1 4). *Monetary Economics*, S. Chand Company, New Delhi.
- ã Houghton, E.W. (Ed.) (1 88). *Public Finance*, Penguin, Baltimore.
- ã Jha, R. (1 8). *Modern Public Economics*. Routledge, London.

- ã Mithani, D.M. (1 81), *Macroeconomic Analysis and Policy*. Oxford IBH, New Delhi.
- ã Mithani, D.M. (1 88), *Modern Public Finance*. Himalaya Publishing House, Mumbai.
- ã Musgrave, R.A. and P.B. Musgrave (1 6). *Public Finance in Theory and Practice*, McGraw Hill, Kogakusha, Tokyo.
- ã Shapiro, E. (1 6). *Macroeconomic Analysis*, Galgotia Publications, New Delhi.
- ã सेठ एम.एल. : मुद्रा और बैंकिंग, शिवलाल अग्रवाल एण्ड कम्पनी, आगरा
- ã सेठी, टी.टी. : मुद्रा बैंकिंग एवं अन्तर्राष्ट्रीय व्यापार
- ã सेठी टी.टी. : मौद्रिक अर्थशास्त्र
- ã वैश्य एम.सी. : मुद्रा, बैंकिंग एवं राजस्व

ADDITIONAL READING LIST

- ã Day, A.C.L. (1 60), *Outline of Monetary Economics*, Oxford University Press, Oxford.
- ã De Kock, M.H. (1 60). *Central Banking*, Staples Press, London.
- ã Due, J.F. (1 63). *Government Finance*. Irwin, Homewood.
- ã Government of India, *Economic Survey* (Annual), New Delhi.
- ã Halm. G.N. (1 55). *Monetary Theory*, Asia Publishing House, New Delhi.

SECOND YEAR ARTS 2005-2006

HOME SCIENCE

	Duration of Exam.	M.M.	Min. M.	Total No. of Period/ Week
Paper-I : Food and Nutrition	3 Hrs.	5	2	5
Paper-II : Family Health Community Welfare	3 Hrs.	5	2	4
PRACTICALS				
Prac.I : Basic Food Preparation	3 Hrs.	25	0	02
Pract.II : Meal Management	3 Hrs.	25	0	02

परीक्षक के लिए निर्देश :
(खण्ड-अ)

इस भाग में दस वस्तुनिष्ठ लघुउत्तरात्मक प्रश्न होंगे। प्रत्येक इकाई में से दो प्रश्न होंगे। प्रत्येक प्रश्न एक अंक का होगा। ये दस प्रश्न विकल्प रहित होंगे।

(10 अंक)

(खण्ड-ब)

इस भाग में पाठ्यक्रम की प्रत्येक इकाई से दो प्रश्न पूछे जायेंगे। कुल दस प्रश्न होंगे जिनके विकल्प भी इसी इकाई से होंगे। प्रत्येक प्रश्न 7 अंक का होगा। इन प्रश्नों के उत्तर लगभग 250 शब्दों तक दिये जा सकते हैं।

(35 अंक)

(खण्ड-स)

इस भाग में चार विवेचनात्मक प्रश्न सम्पूर्ण पाठ्यक्रम में से बनाये जायेंगे, जिनमें से दो प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर लगभग 500 शब्दों में देना होगा। प्रत्येक प्रश्न पन्द्रह अंक का होगा। इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं।

(30 अंक)

PAPER-I : OOD AND NUTRITION

UNIT-I

1. Definition of terms - Foods, Nutrition, Nutrients, Nutritional Status, Balanced Diet, Dietetics.
2. Basic Foods groups Functions of Foods.
3. Study of common Foods - Cereals, Pulses, Nuts and oil seeds, Fruits and Vegetables, meat, fish, milk and milk products, spices and condiments.
4. Different methods of food preparation - merits and demerits, methods used to conserve and enhance the nutritive value of foods.

UNIT-II

5. (a) Role of Fibre in daily diet.
(b) Proximate Principles (Protein, Carbohydrates Fats), Composition, classification, food sources, functions, deficiency and Recommended dietary allowances.
6. Energy metabolism - Unit of energy, Total energy expenditure, physical activity and specific dynamic action, Basal metabolism, Factors affecting basal metabolic rate.

UNIT-III

7. Minerals - Calcium, Phosphorous, Iron, Iodine, Sodium, Fluorine - food sources, functions, deficiency and recommended dietary allowances.
8. Vitamins - Food sources, functions, deficiency, recommended dietary allowance.
9. Water - Distribution in the body, functions, sources and water balance.

UNIT-IV

10. Malnutrition - Definition, concept, causes and prevention.
11. Meal Planning :
 - (a) Principles and Factors affecting meal planning.
 - (b) Recommended dietary allowances for different age, sex, occupation and physical condition.
12. Food spoilage - causes
13. Food Preservation - Principles and Methods.

UNIT-V

14. Therapeutic Nutrition - Causes symptoms and dietary modification for -
 - (a) Fever
 - (b) Peptic Ulcer
 - (c) Constipation and Diarrhoea
 - (d) Over weight and under weight
 - (e) Diabetes
 - (f) Liver Diseases
 - (g) Cardiovascular disease

References :

1. Rose : Foundation of Nutrition. Macmillan Co.
2. F.T. Proudfit H.C. Robinson : Nutrition of Diet Therapy
3. W.R. Arkryod : Human Nutrition Diet
4. Davidson, Passmore : Human Nutrition of Dietetics
5. सुधा नारायण – आहार विज्ञान
6. उषा मिश्रा, अलका अग्रवाल – आहार एवं पोषण विज्ञान
. मुक्ता अग्रवाल – भोजन एवं पोषण
8. सुधा नारायण – आहार नियोजन

PAPER-II : FAMILY HEALTH & COMMUNITY EL ARE

M.M.: 75

UNIT-I

1. Health - Concept of health, community health, school health, determinants of health, factors affecting health, common causes of health problems.
2. Environmental sanitation - concept, importance, reasons of environmental pollution, measures to promote environmental sanitation.
 - (a) Water : Sources of water and methods of water purification at domestic level.
 - (b) Ventilation : Impurities in atmosphere their effect on health, types of ventilation.
 - (c) Disposal of waste - methods (Refuse household waste).

UNIT-II

3. Disease - Causes, Mode of transmission, incubations period, Sign symptoms, causes and prevention - Diphtheria, Whooping cough, Poliomyelitis, Tetanus, Cholera, Malaria, Tuberculosis, Acquired Immuno Deficiency Syndrome (AIDS).
4. Immunity - Classification and Immunisation Schedule.

UNIT-III

5. Health Education - Concept, Objectives and Principles of health education.
6. Health Services/Programmes available for public health and agencies involved :
 - (a) Primary Health Centre (PHC)
 - (b) Hospital

- (c) Red Cross Society
- (d) (ICDS) Integrated Child Development Service
- (e) Agencies :
 - (a) NIPCCD
 - (b) CSWB
 - (c) VHAI
 - (d) ICCW
 - (e) WHO
 - (f) UNICEF
 - (g) DWCD (Department of Women and Child Development)

UNIT-IV

- . Reproductive System - Structure Functions.
- 8. (a) Spermatogenesis, oogenesis and fertilization.
- (b) Changes during pregnancy.
- . Common ailments during pregnancy and their management : Morning sickness, heart burn, indigestion, constipation, piles, leg cramps, sleeplessness, frequency of micturition, oedema, varicose veins.
- 10. Toxaemia of Pregnancy - Symptoms, detection and care.
- 11. Antenatal care - (a) Diet, dress, personal hygiene, exercise, rest, sleep, bowel regulation, breast care.
- (b) Antenatal clinics and their importance.

UNIT-V

- 12. Abortions and Miscarriage - Symptoms, type and care.
- 13. Family Planning - Importance and methods.
- 14. Preparation of Confinement.
- 15. Postnatal - (a) Retention of urine, rest, exercise, sleep, care of breasts, (b) Puerperal Sepsis - Causes, Prevention and Treatment, (c) Breast infection - cracked nipples, abscess, retracted nipples.

References

1. J.E. Park K. Park : Text Book of Social Medicine Bhanot Publishers.
2. Y.P. Bedi : Social Preventive Medicine Nama Ram Sons
3. B.N. Ghose : A treatise on hygiene Public Health
4. Dr. (Mrs) Bela Bhargava: Family Health Social Welfare
5. डॉ. (श्रीमती) बेला भार्गव : पारिवारिक स्वास्थ्य एवं सामाजिक कल्याण
6. डॉ. केथरीन एस. सिंह : मातृकला, शिशु पालन एवं बाल विकास
- . श्रीमती वृन्दासिंह : जन स्वास्थ्य एवं परिवार कल्याण

PRACTICAL - I

BASIC FOOD PREPARATION

M.M. 25

1. Introduction to Food lab, cooking terms, weight and measures and equipments.
2. Preparation from cereals, pulses, nuts and oil seeds, vegetables, milk and milk products, Egg and their combinations.
3. Preparation of Beverages and Soups.
4. Salad - Decorative and nutritious
5. Food Preservation - Sauce, Jam, Pickle, Murabba, Chutney, Squashes.

Distribution of Marks :

1. Sessional and Files	08
2. Preparation of recipe	10
3. Table management and serving	05
4. Cleaning	02
Tota	25

PRACTICAL - II

MEAL MANAGEMENT

1. Planning and preparation of meals for different age, sex, income, groups, pregnant and lactating mother.
2. Invalid cookery : Liquid and soft diet.
3. Diets during constipation, diarrhoea, over weight, under weight and diabetes.
4. Preparation for special occasion (any four occasions).

Distribution of Marks:

M.M. : 25

1. Sessional and Files	08
2. Preparation of recipe	05
3. Meal Planning	10
4. Cleaning	02
Tota	25

TDC SECOND YEAR ARTS 2005-2006

GEOGRAPHY

Paper I : Geographical Thoughts and Methodology

Paper II : Economic Geography

Practical : Cartography-II (Projections and presentation of socio-economic data elementary statistical methods)

Notes :

1. Each theory paper will be of 100 marks with minimum pass marks of 25.
2. Each practical will be of 60 marks with minimum pass marks of 22.
3. Teaching hours for each theory paper and practical will be three hours per week.
4. Practical batch will comprise of twenty students.
5. Use of map stencils (outline of political boundaries only) and simple function calculators are allowed in the examination.
6. Each theory paper of three hour duration will be divided into five units and questions will be asked as per following scheme:

Sections	Questions To be Asked	Questions To be Attempted	Marks	Distribution of Questions
1. Very Short (Objective/ questions)	10	10	10	Proportionately from each Unit with internal choice
2. Short Answers (250 words)	10	5	30	
3. Analytic/Descriptive questions (500 words)	4	2	30	
Tota	24	17	70	

TDC SECOND YEAR ARTS 2005-2006

GEOGRAPHY

PAPER-I GEOGRAPHICAL THOUGHTS AND METHODOLOGY

UNIT - I

- a) The nature of geography: definitions, meaning and philosophy.
- b) Objectives and relevance of geography.
- c) Place of geography in the classification of sciences : natural and social sciences.
- d) Relations with other social sciences with reference to nature, content and methods.
- e) Elements of geography: location on the surface of the earth, physical conditions, forms of life, and human responses.

UNIT - II

Brief survey of evolution of geographical ideas:

- a) Beginning of classical geography: contribution of Greeks, Romans
- b) Geography in middle ages: Europe, Middle East, China, India
- c) Age of exploration and impact of discoveries.

- d) Founders of modern geography: Humboldt and Ritter
- e) Modern period: major traditions of geographic studies.

UNIT - III

Major themes and sub-themes in geography:

- a) Man-environment relations: determinism and possibilism and neo-determinism
- b) Areal differentiation and spatial organisation.
- c) Dualism and complementarity in geography: physical/human systematic/regional.
- d) Radicalism in geography.
- e) Behaviouralism in geography.

UNIT - IV

Major concepts in geography:

- a) Concept of terrestrial unity and interconnections.
- b) Concept of activity and change.
- c) Concept of region and types of region.
- d) Concept of culture and acculturation.
- e) Spatial interaction and gravity model.

UNIT - V

Methodological issues :

- a) Explanations in natural and social sciences routes to scientific explanation.
- b) Explanatory forms in geography.
- c) Sources of data.
- d) Cartographic techniques quantitative methods.
- e) Remote sensing and geographical information system.

S e s t e R e a i n s :

1. Abler, Ronald F. et al, Geography's Inner Worlds: Pervasive themes in contemporary American Geography, Routledge, New Jersey, 1 2.
2. Dikshit R. D.: Geographical Thought - A Contextual History of Ideas, Prentice Hall of India Pvt. Ltd. 2000.
3. Dikshit R. D.: The Art and Science of Geography: Integrated Readings, Prentice Hall of India, New Delhi, 1 4.
4. Dohrs, F. E. and Sommers, L. W. (eds.) Introduction to Geography, Thomas Y. Crowell Co., New York, 1 6 .
5. Hartshorne, Richard, Perspective on the Nature of Geography, Rand McNally and Co., Chicago, 1 5 .

6. Harvey, David, Explanation in Geography, Edward Arnold, London, 1 2.
7. Holt-Jensen, A., Geography: Its History and Concepts, Longmans, 1 80.
8. Husain, Majid, Evolution of Geographical Thought, Rawat Publications, Jaipur, 1 84.
9. James, P.E., All Possible Worlds: A History of Geographical Ideas, Sachin Publication, Jaipur, 1 80 .
10. Johnston, R.J. and Claval, R (eds.), Geography Since the Second World War, Croom Helm, London/Bernes and Noble, N.J., 1 84.
11. Jones, P.A.: Field Work in Geography, Longmans, 1 68.
12. Lownsburg, J.F. and Aldrich, F.T., Introduction to Geographical Methods and Techniques, Charles Marrill, Columbus, 1 .
13. Minshull, R., The Changing Nature of Geography, Hutchinson University Library, London, 1 0.
14. Wooldridge, S.W., The Geographer As Scientist, Thomas Nelson and Sons. Ltd., London, 1 56.
15. जैन, एस.एम. : भौगोलिक चिन्तन का विकास (साहित्य भवन, आगरा)

16. कौशिक, एस. डी. : भौगोलिक विचारधारा एवं विधि तंत्र
(रस्तोगी प्रकाशन, मेरठ)
17. माथुर एवं जोशी : भौगोलिक विचारधाराओं का इतिहास
(आर.बी.एस. पब्लिशर्स, जयपुर)
18. सिंह, जे. : भौगोलिक चिन्तन के मूलाधार (वसुन्धरा
प्रकाशन, नई दिल्ली)
19. सिंह, यू. : भौगोलिक चिन्तन का विकास (कल्याणी
पब्लिशर्स, नई दिल्ली)

TDC SECOND YEAR ARTS 2005-2006

GEOGRAPHY

PAPER-II ECONOMIC GEOGRAPHY

UNIT - I

- a) Definition, nature and scope of economic geography.
- b) Recent trends in economic geography its relation with economics, and allied subjects.
- c) Classification of economies and spatial organization.
- d) Sectors of economy: primary, secondary and tertiary.
- e) Impact of economic activities on environment.

UNIT - II

- a) Natural resources: meaning classification of resources.
- b) Conservation of resources water and forest resource conservation.
- c) Changing nature of economic activities: mining and forestry,
- d) Changing nature of economic activities : agriculture and industry.
- e) Changing nature of economic activities: trade and transport.

UNIT - III

- a) Agriculture: physical, social, cultural environment influencing crop production.
- b) Spatial distribution, production and international trade of rice and wheat
- c) Spatial distribution, production and international trade of cotton and rubber.
- d) Spatial distribution, production and international trade of coffee and tea.
- e) Agricultural types and classification.

UNIT - IV

- a) Classification of minerals distribution, production and trade of iron ore and bauxite.
- b) Distribution and production of coal, petroleum and hydroelectricity.
- c) Factors of localisation of industries iron and steel industry.
- d) Chemical and cement industries.
- e) Textile and ship building industries.

UNIT - V

- a) Trade and transport: geographical factors in their development.
- b) Major water, land and air transport routes.

- c) Internal and international trade.
- d) World Trade Organisation (WTO) and globalisation.
- e) Impact of WTO and globalisation on developing countries of the world.

Selected References :

1. Bengston, N.A. and V.L. Royen, Fundamental of Economic Geography, Prentice Hall, New York.
2. Boesch, H., A Geography of World Economy, D. Van-Nostrand Co., New York, 1964.
3. Chapman, J.D., Geography and Energy, Longman, London, 1981.
4. Gregor, H.F., Geography of Agriculture, Prentice Hall, New Jersey, USA, 1970.
5. Griggs, D.B., The Agricultural Systems of the World, Cambridge University Press, New York, 1974.
6. Hartshorne, T.N. and J.W. Alexander, Economic Geography, Prentice Hall, New Delhi, 1988.
7. Jones, C.F. and G.G. Darkenwald, Economic Geography, McMillan Co., New York. 1975.
8. Millar E., Geography of Manufacturing, Prentice Hall, New York, 1962.
9. Pickes, L.D., The Wealth of The World, Dan Co., London.

10. Ra a. M. and Y. Agrawal, Transport Geography of India, Concept, New Delhi, 1 86.
11. Robinson, H., Economic Geography, Longmans.
12. Smith, D.M., Industrial Location - An Economic Geographical Analysis, John Wiley, New York, 1 1.
13. Stamp, L.D., A Commercial Geography, Longmans.
14. Thomas, R.S., The Geography of Economic Activities, McGraw Hill, New York 1 62.
15. UNO, Statistical Year Book (Latest Edition).
16. दास, गुप्ता एवं कपूर : आर्थिक और वाणिज्य भूगोल, एस चांद एण्ड कम्पनी, दिल्ली
17. दुबे रामनाथ : आर्थिक-वाणिज्य भूगोल, किताब महल, इलाहाबाद
18. नेगी : संसाधन भूगोल
19. नेगी : मानव तथा आर्थिक भूगोल
20. जैन, पी. : आर्थिक भूगोल की समीक्षा
21. कौशिक, एस.डी. : आर्थिक भूगोल की समीक्षा
22. कौशिक, एस. डी. : संसाधन भूगोल

TDC SECOND YEAR ARTS 2005-2006

GEOGRAPHY

PRACTICAL : CARTOGRAPHY-II (PROJECTIONS AND PRESENTATION OF SOCIO-ECONOMIC DATA)

- I. Map projections:
 1. Meridians and parallels: definition, and characteristics.
 2. Map projections: meaning, compromises, classification,
 3. Characteristics, use and graphical construction along with outline map of the following projections:
 - i. cylindrical projections: orthographic, stereographic and gnomonic (both polar and equatorial cases) (6 exercises)
 - ii. Conical projections: Bonne's and polyconic (2 exercises)
 - iii. Mercator's projections (1 exercise)
 - iv. Globular projection (1 exercise)
 - v. Gall's projection (1 exercise)
 - vi. Mollweide's projection (1 exercise)
 - vii. Sinusoidal projection (1 exercise)

II. Presentation socio-economic data:

1. Thematic maps: Elements and characteristics of thematic maps.
2. Drawing and use of dot, choroschematic, chrochromatic, choropleth and isopleth maps. (6 exercises)
3. Diagrams: elements and characteristics of diagrams.
4. Drawing of diagrams along with appropriate scales:
 - i. One dimensional (2 exercises)
 - ii. Two dimensional (3 exercises)
 - iii. Three dimensional (3 exercises)
 - iv. Traffic flow diagram (1 exercise)
5. Graphs: elements and characteristics of graphs.
6. Drawing of poly, band, and triangular graphs. (3 exercises)

III. Basic statistical methods:

1. Frequency distribution and its presentation.
2. Measures of central tendency: Arithmetic mean, mode and median.
3. Measures of dispersion: Standard deviation and coefficient of variation.
4. Measures of correlation: Rank correlation and product moment correlation.

Notes :

1. Candidates will be examined by an External Examiner in consultation with the Internal Examiner.
2. Each exercise should be drawn on 1/4th of a full drawing sheet.
3. The test paper of practical will be of two hours duration and candidates will be required to answer three questions out of five.
4. The distribution of marks will be as follows:

a. Paper	36 Marks
b. Record Work	14 Marks
c. Viva-voce	10 Marks

Record work will be assessed by the teacher in-charge of the practical group and the external examiner.

Viva-voce will be based on the record work.

5. Ex-students will have to complete the prescribed practical work under the guidance of the Head of the Department of the respective college and to produce a certificate to that effect before the commencement of the examination.

S este Rea in s :

1. Ahmed, K.S., Simple Map Projection, Friends Book House, Aligarh.

2. Bygott, J., An Introduction to Map Work and Practical Geography, University Tutorial Press, London.
3. Meux, A.H., Reading Topographical Maps, University of London Press.
4. Mishra, R.P. and A. Ramesh, Fundamentals of Cartography, Concept Publishers, New Delhi.
5. Monkhouse, F.J., Maps and Diagrams, Methuen Co. Ltd., London.
6. Rai e, E., General Cartography, McGraw Hill Book Co., London.
7. Robinson, A.R., Elements of Cartography, Chapman Hall.
8. Singh, R.L. and P.K. Dutt, Elements of Practical Geography, Student Friends, Allahabad
9. Singh, R.L., Elements of Practical Geography, Kalyani Publishers.
10. Singh, R.N. and L.R.S. Kanaujia, Map Work Practical Geography, Central Book Depot, Allahabad.
11. Tamaskar E.G. and V.M. Deshmukh, Geographical Interpretation of Indian Topographical Maps, Orient Longman.
12. शर्मा, जे. पी. : प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ

13. जैन शेषमल : प्रायोगात्मक भूगोल, साहित्य भवन आगरा
14. भल्ला, एल. आर. : प्रायोगात्मक भूगोल, के.डी. प्रकाशन, अजमेर
15. मामोरिया चतुर्भुज : मानचित्र विज्ञान एवं प्रायोगात्मक भूगोल, साहित्य भवन, आगरा
16. पंवार, आर. एस. : मानचित्र विज्ञान एवं प्रायोगात्मक भूगोल, तुलसी प्रकाशन, मेरठ
17. वर्मा, एल एन. व आर. एम लोढा : प्रायोगात्मक भूगोल, राज. हिन्दी ग्रन्थ अकादमी, जयपुर
18. सिंह, एल.आर. : मानचित्र एवं प्रायोगात्मक भूगोल, सेन्द्रल बुक डिपो, इलाहाबाद
19. सिंह एवं कन्नोजिया : प्रायोगात्मक भूगोल की रूपरेखा, सेन्द्रल बुक डिपो, इलाहाबाद

SECOND YEAR ARTS 2005-2006

POLITICAL SCIENCE

SCHEME

Two Papers Min. Pass marks: 2 Max. Marks 200

Paper-I 3 hrs. duration M.M. 100

Paper-II 3 hrs. duration M.M. 100

Note : Each question paper will be divided into three sections. Section A will contain 10 compulsory questions, 2 from each unit of 1 mark each. Answer will have to be given upto a limit of 25 words. Section B will contain 10 questions, 2 from each unit of 10 marks each. Candidates will have to answer 5 questions picking 1 from each unit with a word limit of upto 250 words. Section C will contain 4 questions out of which candidates will have to answer any 2. Each question will be of 20 marks and the word limit is upto 500 words.

Sections	No. of questions	Marks	Word limit
Section A	10 (Compulsory)	10 Marks (1 mark each)	25 words
Section B	5 (One from each unit)	50 marks (10 marks each)	250 words
Section C	Any 2 from 4	40 marks (20 marks each)	500 words

PAPER-I : MODERN CONSTITUTIONS

Unit-I

Constitution: Meaning, western and non western types of constitutions - flexible and rigid, written and unwritten constitution Constitutionalism: meaning and characteristics.

Unit-II

Constitution of U.S.A. : Salient features, the principles of Separation of powers and checks and balances Federalism, President, Congress, Supreme Court, Judicial Review and Party System.

Unit-III

Constitution of Japan: Salient features, Emperor, Prime Minister and Council of Ministers, Diet, Rights and Duties of Citizens and Political Parties.

Unit-IV

Constitution of U.K.: Salient features, Conventions, Rule of law, Crown, Prime Minister and Cabinet, Parliament, Delegated Legislation and Party system.

Unit-V

Constitution of Switzerland: Salient features, Federalism, Federal Assembly, Federal Council, Federal Judiciary and Direct Democracy.

S **este** **Rea** **in** **s** :

1. Ogg ink : Modern Foreign Governments
2. B.M. Sharma : Modern Government
3. A.C. Kapoor : Select Constitutions (Hindi English)
4. Ogg Ray : American Government
5. V.N. Khanna : Comparative study of Governments and Politics
6. वी. पी. सिंह : विश्व के प्रमुख संविधान
7. गुप्ता एवं दरड़ा : विश्व की प्रमुख शासन प्रणाली
8. बी. एल. फड़िया : विश्व के प्रमुख संविधान
9. आर. सी. अग्रवाल : विश्व के प्रमुख संविधान
10. इकबाल नारायण : विश्व के प्रमुख संविधान
11. पी. के. चट्टा : प्रमुख राजनीतिक व्यवस्थाएं

PAPER-II : INDIAN POLITICAL SYSTEM

Unit-I

Main Trends of Indian National Movement, Moderates and Extremists, Contribution of Gandhi in National Movement. Rajasthan's contribution in National Movement. (Bijolia Movement, Bhil Movement and Praja Mandal will be studied).

Unit-II

Constitutional Development : Background to constitutional development with special reference to Act of 1 1 (Salient Features and Dyarchy), Act of 1 35 (Salient features, Provincial autonomy and federal system), Constituent Assembly: Composition and Functioning Indian Constitution: Salient features, Fundamental Rights and Duties, Directive Principles of State Policy.

Unit-III

Union Government: President, Parliament, Cabinet, Supreme Court and Judicial Review, State Government: Role of Governor and the Chief Minister.

Unit-IV

Center-State Relations. Electoral Politics and Coalition Government at the National level. Major National Political parties: their Organisation and Programme.

Unit-V

Nature and Determinants of Indian Politics: Problems of Regionalism and Regional political parties. Castism, Communalism National Integration in India.

S e s t e R e a i n s :

1. S.V. Sarkar : Modern India
2. N.D. Palmer : The Indian Political System
3. J.C. Johari : Indian Government and Politics
4. R.C. Agarwal : Indian National Movement and Constitutional Development (Hindi English)
5. M.V. Pylee : India's Constitution
6. V.D. Mahajan : The National Movement of India and its Leaders.
7. एस. एल. जैन : भारतीय संविधान और राजनीति
8. के. एस. सक्सेना : राजस्थान में राजनीतिक जन-जागरण
9. डॉ. आर. एस. दरडा : भारतीय संविधान का स्वरूप एवं व्यवहार

SECOND YEAR ARTS 2005-2006

POPULATION STUDIES

Instructions or E a i n e r

परीक्षक के लिए निर्देश :

Section A

खण्ड-अ

इस भाग में दस वस्तुनिष्ठ लघुउत्तरात्मक प्रश्न होंगे। प्रत्येक इकाई में से दो प्रश्न होंगे। प्रत्येक प्रश्न एक अंक का होगा। प्रत्येक प्रश्न विकल्प रहित होंगे। (10 अंक)

This section will consist of ten objective type questions covering each unit. Each question will be of one mark and there will be no choice in these questions.

(10 Marks)

Section B

खण्ड-ब

इस भाग में पाठ्यक्रम की प्रत्येक इकाई से दो प्रश्न पूछे जायेंगे। कुल दस प्रश्न होंगे जिनके विकल्प भी इसी इकाई से होंगे। प्रत्येक प्रश्न 10 अंक का होगा। इन पाँच प्रश्नों के उत्तर लगभग 250 शब्दों तक दिये जा सकते हैं। (50 अंक)

This section will consist of 5 questions having two questions from each unit and alternatives will be from same unit. Each questions will consist of 10 marks. The answer of the question can be given in 250 words.

(50 Marks)

Section B

खण्ड—स

इस भाग में चार विवेचनात्मक प्रश्न सम्पूर्ण पाठ्यक्रम में से बनाये जायेंगे, जिनमें से दो प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर लगभग 500 शब्दों में देना होगा। प्रत्येक प्रश्न बीस अंक का होगा। इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं। (40 अंक)

This section will have four descriptive type questions out of which two questions have to be answered. Each question has to be answered in 500 words. These questions will be of 20 marks, each question may have two parts. (40 Marks)

PAPER-I MEASURES AND TECHNIQUES OF DEMOGRAPHY

Unit-I

Measures of Population Composition : Age, Sex, Education, Distribution and Growth. Sources of Population Data : Census and Sample Surveys.

Unit-II

Measures of Marriage Rates : Crude Marriage Rate, Nubile Marriage Rate, General Marriage Rate, Specific Marriage Rate and Techniques of Nuptiality, Nuptiality Table.

Unit-III

Measures of Fertility : Crude Birth Rate (CBR), General Fertility Rate (GFR), Age Specific Fertility Rate (ASFR), Total Fertility Rate (TFR), Gross Reproductive Rate (GRR) and Net Reproductive Rate (NRR).

Unit-IV

Mortality Measures : Crude Death Rate (CDR), Age Sex Specific Death Rate (ASSDR), Infant Mortality Rate (IMR) and Maternal Mortality Rate (MMR)

Unit-V

Measures of Migration Rate: In Migration, Out Migration, Net Migration, Migration Stream. Measures of Man Power and Working Activities.

Books Recommended :

1. Barclay, G.W. : Techniques of Populations, Analysis, John Wiley Sons Inc. New York, 1958.
2. Dressaty, Ronald : Demographic Analysis, Aldine. Chicago Illinois. 1972.
3. नागदा, बी. एल. : जनांकिकी के मूल तत्व, शिवा पब्लिशर्स डिस्ट्रीब्युटर्स, उदयपुर, 2002
4. Pathak, K.B. and Faujadar Ram : Techniques of Demographic Analysis. Himalaya Publishing House, 1972.
5. Sharma and Poonam : Family Welfare Programme in India, Deep Publications, New Delhi, 1975.
6. United Nations : Indirect Techniques for Demographic Estimations, United Nations, New York, 1983.

PAPER-II
FAMILY WELFARE AND HEALTH IN INDIA

Unit-I

Family Welfare : Concepts, Need and Importance, Family Welfare Programme in Pre and Post Independence Period.

Unit-II

Public Health : Concept and Significance of Public Health. Role of Information, Education and Communication (IEC) in Awareness Public Health

Unit-III

Concept of Knowledge, Attitude and Practice (KAP) in Family Welfare. Evaluation of Family Welfare Programme, Methods of Birth Control and findings of Major KAP Studies.

Unit-IV

Emerging Issues and Future Strategies of the Family Welfare Programme in India.

Unit-V

Health Programme in India : Reproductive and Child Health Programme.

Reference :

1. Bhende, Asha, and Tara Kanitkar : Principles of Population Studies, Himalaya Publishing House, Bombay, 1988.
2. Murthy Nirmala and J.K. Satia : Management Information and Evaluation System in Health and Family Planning Programme. Public System Groups, Indian Institute of Management, Ahmedabad, 1985.
3. Ray, T. K. and Garima Rao : Introduction in Evaluation of Demographic, Impact of Family Planning Programme, Himalaya Publishing House, Bombay, 1983.
4. United Nations, The Methodology of Measuring the Impact of Family Planning programme on Fertility, Manual I Population Studies No. 66, New York, 1970.

SECOND YEAR ARTS 2005-2006

PUBLIC ADMINISTRATION

SCHEME

Total Papers Min Pass Marks 72 Maximum Marks 200

Paper - I 3 hours Duration 100 Marks

Paper - II 3 hours Duration 100 Marks

परीक्षक के लिए निर्देश :

(खण्ड-अ)

इस भाग में दस वस्तुनिष्ठ/लघुत्तरात्मक प्रश्न होंगे। प्रत्येक इकाई में से दो प्रश्न होंगे। प्रत्येक प्रश्न एक अंक का होगा। ये दस प्रश्न विकल्प रहित होंगे। लघु उत्तर लगभग 20 शब्दों में होगा। (10 अंक)

(खण्ड-ब)

इस भाग में पाठ्यक्रम की प्रत्येक इकाई से दो प्रश्न पूछे जायेंगे। कुल दस प्रश्न होंगे, जिनमें से पांच प्रश्न करने होंगे। जिनके विकल्प भी इसी इकाई से होंगे। प्रत्येक प्रश्न 10 अंक का होगा। इन प्रश्नों के उत्तर लगभग 250 शब्दों तक दिये जा सकते हैं। (50 अंक)

(खण्ड-स)

इस भाग में चार विवेचनात्मक प्रश्न सम्पूर्ण पाठ्यक्रम में से बनाये जायेंगे, जिनमें से दो प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर लगभग 500 शब्दों में देना होगा। प्रत्येक प्रश्न बीस अंक का होगा इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं। (40 अंक)

PAPER-I
ADMINISTRATIVE INSTITUTIONS

UNIT-I

Administrative Institutions in a Democratic and socialist society. The concepts of Laissez faire, welfare state and Administrative state.

UNIT-II

Organisation of Government :

Legislature : Its role in modern government, decline of legislature.

Executive : Types and Relationship with legislature, its growing importance.

Judiciary : Functions and Role with Special reference to the power of judicial review.

UNIT-III

Democratic Administration : Features of a Democratic Administration. Political parties and Pressure groups : their role and interactions in a democratic society.

Bureaucracy : Nature and concept, recent trends and types of Bureaucracy. Neutrality, anonymity and representative character of Bureaucracy.

UNIT-IV

Organisation and function of following Institutions :

a. Finance Commission of India

- b. Planning commission of India.
- c. National Development council
- d. Reserve Bank of India.

UNIT - V

- a. Election Commission
- b. University Grants Commission
- c. Union Public Service Commission
- d. Central Social Welfare Board
- e. Railway Board.

Books Recommended :

- 1. Waldo : Administrative state
- 2. Field : Government in modern society
- 3. Pranjape : Planning Commission
- 4. M.G. Gupta : Modern Government
- 5. I.I.P.A. : Organisation of the Govt. of India.
- 6. Ernest B. Schuler : Essentials of Govt.
- 7. Renney : Government of Man.
- 8. Sait : Political Institution A Preface
- 9. अशोक शर्मा : प्रशासनिक संस्थाएं
- 10. बी.एल. फड़िया : प्रशासनिक संस्थाएं

परीक्षक के लिए निर्देश :

(खण्ड-अ)

इस भाग में दस वस्तुनिष्ठ/लघुत्तरात्मक प्रश्न होंगे। प्रत्येक इकाई में से दो प्रश्न होंगे। प्रत्येक प्रश्न एक अंक का होगा। ये दस प्रश्न विकल्प रहित होंगे। लघु उत्तर लगभग 20 शब्दों में होगा। (10 अंक)

(खण्ड-ब)

इस भाग में पाठ्यक्रम की प्रत्येक इकाई से दो प्रश्न पूछे जायेंगे। कुल दस प्रश्न होंगे, जिनमें से पांच प्रश्न करने होंगे। जिनके विकल्प भी इसी इकाई से होंगे। प्रत्येक प्रश्न 10 अंक का होगा। इन प्रश्नों के उत्तर लगभग 250 शब्दों तक दिये जा सकते हैं। (50 अंक)

(खण्ड-स)

इस भाग में चार विवेचनात्मक प्रश्न सम्पूर्ण पाठ्यक्रम में से बनाये जायेंगे, जिनमें से दो प्रश्नों के उत्तर देने होंगे। प्रत्येक प्रश्न का उत्तर लगभग 500 शब्दों में देना होगा। प्रत्येक प्रश्न बीस अंक का होगा इन प्रश्नों में एक प्रश्न के दो भाग भी हो सकते हैं। (40 अंक)

PAPER-II

STATE ADMINISTRATION IN INDIA

UNIT-I

**General Background of State Administration in India.
Growing importance of State Administration.**

**The office of the Governor, Office of Chief Minister,
the Council of ministers and their inter-relationship.**

UNIT-II

**Organisation and Function of State Secretariat : Chief
Secretary- Role position. Administrative organi-
sation of a Department, organisation working of
the Department of Home, Finance in Rajasthan.
Secretariat-Directorate Relationship in Rajasthan.**

UNIT-III

**Organisation and working of following Boards,
Commissions, Directorates in the state of Rajasthan.**

- a. Revenue Board
- b. Rajasthan State Human Rights Commission
- c. Directorate of College Education
- d. Directorate of Agriculture

UNIT-IV

**Office of Divisional Commissioner position, power
and functions. District Collector : position, Powers
and functions.**

UNIT-V

Role of the state civil services in State Administration. Recruitment, Training and Promotion of state civil services in Rajasthan, Role of Rajasthan Public Service commission.

Removal of Public Grievances, Lokayukta, Administrative Reforms and Innovation in state Administration.

Books Recommended :

1. A.P. Padhi : State Administration in India (Two Volume)
2. S.R. Maheshwari : State Government in India
3. S.S. Khera : District Administration
4. Mohan Mukherjee: Administrative Innovations in (Ed.) Rajasthan
5. B. Mehta : Dynamics of state Administration.
6. G.D. Shukla : State and District Administration
7. रविन्द्र शर्मा : राज्य प्रशासन
8. सिंह, शर्मा, गोयल : राजस्थान में राज्य प्रशासन
9. सुरेन्द्र कटारिया : राज्य प्रशासन
10. रमेश अरोड़ा : राज्य प्रशासन
गीता चतुर्वेदी

B.A.B.Sc. SECOND YEAR E AMINATION 2005 - 2006

MATHEMATICS

(Common or tie activities of Arts & Science)

Papers	Teaching hours/ week	Examination Hours	Maximum Marks	
			B.A.	B.Sc.
Theor Papers :				
Paper I	3	3	0	5
Paper II	3	3	65	5
Paper III	3	3	65	5
Total Marks			200	225

N.B.

1. Common papers will be set for both the faculties of Arts & Science.
2. Students are allowed to use simple electronic desk calculators (as per University guidelines)
3. Mathematical Table/log tables may be used (as per University guidelines).

B.A. B.Sc. SECOND YEAR 2005 - 2006

MATHEMATICS

PAPER - I ADVANCED CALCULUS

Note : The question paper will be divided into three section A, B and C as follows:

Section A : In this section, ten questions will be set taking two questions from each unit. Each question will be of short answer type not exceeding 20 words and will carry $3/4$ mark. The candidate will be required to attempt all the questions (aggregating .5 marks).

Section B : In this section, ten questions will be set taking two questions from each unit. The answer of each will not exceed 250 words or two and a half page. Each question will be of .5 marks. The candidate will be required to attempt five questions in all taking one question from each unit (aggregating 3 .5 marks).

Section C : In this section, four questions will be set covering all the five units and whose answers shall not exceed 500 words or five pages each. Each question may have sub parts in it and will carry 15 marks. The candidate will be required to attempt any two questions (aggregating 30 marks).

UNIT-I

Continuity. Cauchy and Heine's definition of continuity of a function and their equivalence, discontinuous

functions and their kinds, Properties of continuous functions, properties of functions continuous in closed intervals.

Derivability: Differentiable functions and their properties including Darboux theorem, Examples of continuous and differentiable functions. Roll's theorem, Mean value theorems, Taylor's theorem, their proofs, verifications and applications.

UNIT - II

Partial differentiations, envelopes, Maxima and Minima of two variables and more than two variables including Lagrange's method of undetermined multipliers.

UNIT - III

Beta and Gamma functions and their properties, Evaluation of double and triple integrals, Dirichlet's theorem and Liouville's extension, change of order of integration.

UNIT - IV

Jacobians, change of independent variables.

Vector Calculus: Direction of derivatives, gradient of scalar functions, irrotational Vectors, definition of gradient, divergence of a vector, curl of a vector, curl of the product of a scalar and vector, divergence of a vector product.

UNIT - V

Vector Integration: Gauss's theorem, divergence of the product of a scalar and a vector, Stoke's theorem, surface integral of the curl of a vector, Green's theorem.

References :

1. Differential calculus, by Gorakh Prasad, Pothishala Pvt. Ltd., Allahabad.
2. Integral calculus by Gorakh Prashad, Pothishala Pvt. Ltd., Allahabad.
3. Mathematical Analysis by S.C. Malik, Wiley Eastern Ltd., New Delhi
4. A Course of Mathematical Analysis by Shanti Narayan, S.Chand and Company, New Delhi.
5. An Introduction to Real Analysis by P.K. Jain and S.K.Kaushik, S.Chand and Company, New Delhi.
6. Principles of Mathematical Analysis by Walter Rudin.
 1. A first course in Real Analysis by Ranjit Singh Arora.
8. Elements of Real Analysis by Sharma Purohit.
 1. Real Analysis by Bhargava, Goyal.
10. Real Analysis by Sharma, Gokhroo.
11. Vector Analysis by B. Spain.
12. Sadish Phalan by Bhargava, Banwari Lal.
13. Sadish Phalan by Gokhroo, Saini.

PAPER - II

DIFFERENTIAL EQUATIONS

Note : The question paper will be divided into three section A, B and C as follows:

Section A : In this section, ten questions will be set taking two questions from each unit. Each question will be of short answer type not exceeding 20 words and will carry $\frac{3}{4}$ mark. The candidate will be required to attempt all the questions (aggregating .5 marks).

Section B : In this section, ten questions will be set taking two questions from each unit. The answer of each will not exceed 250 words or two and a half page. Each question will be of .5 marks. The candidate will be required to attempt five questions in all taking one question from each unit (aggregating 3 .5 marks).

Section C : In this section, four questions will be set covering all the five units and whose answers shall not exceed 500 words or five pages each. Each question may have sub parts in it and will carry 15 marks. The candidate will be required to attempt any two questions (aggregating 30 marks).

UNIT - I

Exact differential equations and equations of special forms. Simultaneous differential equations. Total differential equations.

UNIT - II

Linear differential equations of second order and their solutions by :

- (i) The method of finding an integral of the C.F. by Inspection,
- (ii) Changing of independent variables,
- (iii) Removal of the first derivative,
- (iv) Operational factors,
- (v) Undetermined coefficients and
- (vi) Variation of parameters.

UNIT - III

Linear partial differential equations of first order : Lagrange's method, Integral surfaces passing through a given curve, orthogonal surfaces, Geometric description of $Pp + Qq = Rr$. Linear equations involving more than two variables. Non-linear partial differential equations of order one : Special methods of solution applicable to certain standard forms.

UNIT - IV

Charpit's method of solving non linear partial differential equations of first order, Monge's method for the integration of equations $Rr + Ss + Tt = V$.

Linear partial differential equations with constant coefficients, homogeneous equations with constant coefficients and non homogeneous equations with constant coefficients.

UNIT - V

Series solutions of linear differential equations : Power series method, Bessel, Legendre and Hypergeometric equations.

References :

1. Differential equation by Ray and Sharma
2. Differential equation (Vol. II) by Bansal, Dhani
3. Advanced differential equations by M.D. Raisinghania.
4. Differential equation by Murray A. Daniel
5. A Treatise on Differential equation by A.R. Forsyth.
6. Elements of Partial differential equations. by Ian N. Sneddon, Mc Graw - Hill Book Company.
7. Avkal Samikaran by Gokhroo, Saini, Kumbhat
8. Partial differential equations by Gokhroo, Saini, Ojha
9. An introduction to ordinary differential equation by E.A. Codrington, Prenticehall of India.

PAPER - III MECHANICS

Note : The question paper will be divided into three sections A, B and C as follows:

Section A : In this section, questions will be set taking two questions from each unit. Each question will be of short answer type not exceeding 20 words and will carry 3/4 mark. The candidate will be required to attempt all the questions (aggregating .5 marks).

Section B : In this section, ten questions will be set taking two questions from each unit. The answer of each will not exceed 250 words or two and a half page. Each question will be of .5 marks. The candidate will be required to attempt five questions, in all taking one question from each unit (aggregating 3 .5 marks).

Section C : In this section, four questions will be set covering all the five units and whose answers shall not exceed 500 words or five pages each. Each question may have sub-parts in it and will carry 15 marks. The candidate will be required to, attempt any two questions (aggregating 30 marks).

UNIT - I

Equilibrium of bodies under three or more forces, Friction, common catenary.

UNIT - II

Virtual work, Projectile on inclined plane and Impact.

UNIT - III

Velocity and Accelerations (Tangential, normal, radial, transversal), Rectilinear motion, Hooke's law and motion of horizontal and vertical strings.

UNIT - IV

Constrained motion (circular and cycloidal), motion under resisting medium (resistance varies as velocity and square of velocity).

UNIT - V

Fluid pressure and thrust on immersed plane surfaces. Center of pressure.

References :

1. S. L. Loney : Statics, Macmillan and Company, London.
2. R.S. Verma : A Text book of Statics (Pothishala)
3. Ray Sharma : A Text book of Hydrostatics
4. N.Sharma : A Text book of Dynamics.
5. M Ray : A Text book of Dynamics.
6. Bhargava : Gati Vigyan
Agrawal
. Gokhroo, Saini : Uchch Gati Vigyan
8. Gokhroo : Hydrostatics(Hindi Ed.)
Others
. ---,--- : Statics (Hindi Ed.)
10. Bhargava : Hydrostatics (Hindi Ed.)
Others
11. Bhargava : Statics (Hindi Ed.)
Others

**B.A. B.Sc. SECOND YEAR
E AMINATIONS 2005-2006**

STATISTICS

(Common or tie ac ties o Arts & Science)

Papers	Periods per week	Examination Hours	Maximum Marks	
			B.A.	B.Sc.
Theory Papers				
Paper-I	2	3	45	50
Paper II	2	3	45	50
Paper.III	2	3	45	50
Practicals	4	4	65	5
Tota Marks			200	225

1 Period 1 hours Per batch

N.B.

- Common papers will be set for both the Faculties of Arts & Science.
- Students are allowed to use simple electronic desk calculators (as per University guidelines).
- Statistical Tables may be used (as per University guidelines).
- Visit to Local Governments/ Organisations, Semi Governments Departments/Organisations, Government Undertaking Organisations, Statistical Institute of repute, Private sector Statistical Organisation and Research Stations within Udaipur Division may be organised to familiarise students with the practical work done at these centers.

**PAPER - I
PROBABILITY DISTRIBUTIONS**

Note : The question paper will be divided into three sections A, B and C as follows:

Section A : In this section, ten questions will be set taking two questions from each unit. Each question will be of short answer type not exceeding 20 words and will carry 1/2 mark. The candidate will be required to attempt all the questions (aggregating 5 marks).

Section B : In this section, ten questions will be set taking two questions from each unit. The answer of each will not exceed 250 words or two and a half page. Each question will be of 5 marks. The candidate will be required to attempt five questions in all taking one question from each unit (aggregating 25 marks).

Section C : In this section, four questions will be set covering all the five units and whose answers not shall not exceed 500 words or five pages each. Each question may have sub parts in it and will carry 10 marks. The candidate will be required to attempt any two questions (aggregating 20 marks).

UNIT I

Chebyshev's inequality, Weak law of large numbers, Central limit theorem for i.i.d. random variables and simple problems on them.

UNIT II

Uni-variate Discrete Probability Distributions: Bernoulli, Binomial and Poisson distributions with

their derivations, properties and simple applications.
Fitting of Binomial and Poisson distributions.

UNIT III

Negative-Binomial and Hyper-geometric distributions with their derivations, properties and simple applications. Elementary idea of Geometric and Multinomial distributions.

UNIT IV

Univariate Continuous Probability Distributions: Rectangular, Normal and Cauchy distributions, with their derivations, properties and simple applications. Fitting of normal distribution.

UNIT V

Exponential, Beta type I, Beta type II and Gamma distributions with their derivations, properties and simple applications.

Recommended Books:

1. Gupta S.C. : Fundamentals of and Mathe-
Kapoor V.K. matical Statistics, Sultan
Chand Sons, New Delhi
2. Kapur, J.N.and : Mathematical Statistics, S.
Saxena H.C. Chand Company Ltd New
Delhi.
3. Goon A.M., : An outlines of Statistical
Gupta Theory Vol. I II, World Press,
M.K. Das Calcutta
Gupta B

PAPER - II

SAMPLING DISTRIBUTIONS AND ELEMENTS OF ESTIMATION

Note : The question paper will be divided into three sections A, B and C as follows

Section A : In this section, ten questions will be set taking two questions from each unit. Each question will be of short answer type not exceeding 20 words and will carry 1/2 mark. The candidate will be required to attempt all the questions (aggregating 5 marks).

Section B : In this section, ten questions will be set taking two questions from each unit. The answer of each will not exceed 250 words or two and a half page-Each question will be of 5 marks. The candidate will be required to attempt five questions in all taking one question from each unit (aggregating 25 marks).

Section C : In this section, four questions will be set covering all the five units and whose answers not shall not exceed 500 words or five pages each. Each question may have sub parts in it and will carry 10 marks. The candidate will be required to attempt any two questions (aggregating 20 marks).

UNIT I

Uni-variate Sampling Distributions: Concept of random sampling, statistic and sampling distribution. Concept of standard error of an estimate. Standard errors of sample mean, sample proportions. Sampling distri-

bution of sum of Binomial, Poisson and mean of Normal distribution, Chi-square distribution its derivation, properties and problems.

UNIT II

t, F, and sampling distributions with their derivations, properties and inter-relationships with Chi-square distribution.

UNIT III

Elements of Point Estimation: Concept of point estimation, properties of point estimators such as consistency, unbiased-ness, efficiency and simple notion of sufficiency, Factorization theorem (without proof).

UNIT IV

Bias, Mean Square error, variance and relation among them of an estimator, Minimum variance unbiased estimator and its properties (excluding, Cramer-Rao inequality) and problems on them.

UNIT V

Interval Estimation: Concept of interval estimation, confidence interval and confidence coefficient. Confidence interval for mean and variance in case of normal population.

Definition of order Statistic and sampling distributions of median and range from any uni-variate population.

Recommended Books:

1. Gupta.S.C. : Fundamentals of Mathematical and Statistics, Sultan Chand Kapoor, V.K. Sons, New Delhi
2. Kapur J.N. : Mathematical Statistics S. Saxena H.C. Chand Company Ltd., New Delhi.

Reference Books:

1. Singh, J. : Statistical Inference (Hindi edition) Madhya Pradesh Hindi Granth Academy, Bhopal.
2. Freund J.E. : Mathematical Statistics (2001) Prentice Hall of India
3. Goon A.M. : An out lines of Statistical Theory Vol. I II, World and Das Gupta Press, Calcutta B. (1 1)

PAPER - III

APPLIED STATISTICS

Note The question paper will be divided into three sections A, B and C as follows:

Section A In this section, ten questions will be set taking two questions, from each unit. Each question will be of short answer type not exceeding 20 words and will carry 1/2 mark. The candidate will be required to attempt all the questions (aggregating 5 marks).

Section B: In this section, ten questions will be set taking two questions from each unit. The answer of each will not exceed 250 words or two and a half page. Each question will be of 5 marks. The candidate will be required to attempt five questions in all taking one question from each unit (aggregating 25 marks).

Section C: In this section, four questions will be set covering all the five units and whose answers shall not exceed 500 words or five pages each. Each question may have sub parts in It and will carry 10 marks. The candidate will be required to attempt any two questions (aggregating 20 marks).

UNIT-I

Theory of curve Fitting: Method of least squares, fitting of straight line, parabola, Kth degree polynomial, exponential and logarithmic curves (reducible to linear forms). Most plausible solution of linear equations.

UNIT-II

Linear correlation and regression, concept of intraclass correlation, Spearman's rank correlation.

UNIT-III

Partial Correlation coefficient Multiple correlation coefficient and multiple regression for three variables only.

UNIT-IV

Time series and its components, methods of determining trend and seasonal components.

UNIT-V

Index Numbers: Problems involved in the construction of Index numbers, types of index numbers, construction of index numbers by aggregate methods and price relative methods, chain indices.

Requisites of an ideal index number. Uses and limitation of the index numbers. Errors in index numbers. Base shifting, splicing and deflating concepts, cost of living and wholesale price index numbers.

Recommended Books:

1. Gupta S.C. and : Fundamentals of Mathematical
Kapoor V.K. Statistics, Sultan Chand
Sons, New Delhi.

2. Gupta S.C. and Kapoor V.K. : Fundamentals of Applied Statistics, Sultan Chand Sons, New Delhi
3. Kapur, J.N. and Saxena H.C. : Mathematical Statistics, S.Chand Company Ltd., New Delhi.
4. Goon, A.M., Gupta, M.K. and Das Gupta : Fundamentals of Statistics Vol. I II World Press, Calcutta
B. (1 1)

STATISTICS PRACTICAL

Duration of Examination: Four Hours

Max. Marks : Arts - 65
 Science - 5

The distribution of marks will be as follows:

	B.A.	B.Sc.
(a) Practicals	3 Marks	45 Marks
(b) Practical Record	13 Marks	15 Marks
(c) Viva- voce	13 Marks	15 Marks
Tota :	65 Marks	75 Marks

The following topics are prescribed for practical work:

1. Fitting of (i) Binomial distribution when (a) p-known (b) p-unknown, (ii) Poisson distribution (iii) Normal distribution.
2. Exercise based on area property of Normal distribution.
3. Fitting of curves: (i) Straight line (ii) Parabola (iii) Exponential and Power curves.
4. Calculation of correlation coefficient by (i) Karl Pearson's method and (ii) Spearman's rank method.
5. Construction of regression line.

6. Preparation of bivariate frequency distribution, calculation of correlation coefficient and construction of regression lines.
 - . Calculation of Multiple and Partial correlation coefficients and construction of multiple regression equations (For three variables only)
8. Time Series : Determination of trend by (i) Least square method (ii) Moving average method (including weighted averages).
 - . Determination of seasonal variation by (1) Simple average method (ii) Ratio to trend method (iii) Ratio to moving average method and (iv) Link relative method.
10. Construction of Index Numbers by - (i) Laspeyre's (ii) Paasche's (iii) Fisher's (iv) Dorbish-Bowley's and, (v) Marshall Edgeworth's formulas.
11. Tests of Ideal Index numbers.
- 12 (i) Fixed base and chain base Index numbers (ii) Whole sale price Index number (iii) Cost of living Index number (iv)Base shifting, splicing deflating.

Note : Students may be tried to familiarise and utilise statistical packages in solving the relevant statistical practical exercises on Computers .