

**Master Degree Programmes**  
**PROGRAMME SUMMARY & FEE STRUCTURE**  
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| 23. MASTER OF ARTS (GEOGRAPHY) - M.A. (GEOGRAPHY)   |              |
| 24. MASTER OF SCIENCE (ENVIRONMENTAL SCIENCE) - M.Sc (ENVIRONMENTAL SCIENCE)                    |              |
| 25. MASTER OF ARTS (ENVIRONMENTAL STUDIES) - M.A (ENVIRONMENTAL STUDIES)                        |              |
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| 28. MASTER OF SCIENCE (PHYSICS) - M.Sc. (PHYSICS)   |              |
| 29. MASTER OF SCIENCE (ZOOLOGY) - M.Sc (ZOOLOGY)  |              |
| 30. MASTER OF SCIENCE (MATHEMATICS) - M.Sc (MATHEMATICS)  |              |

## समाज विज्ञान अध्ययन विद्याशाखा (School of Social Science)

### PROGRAMME SUMMARY & FEE STRUCTURE

| Programme Name & Abbreviation          | Programme (Code) | Eligibility              | Minimum (Yr) | Maximum (Yr) | SLM   | Mode of Exam (Annual/Sem) | Year / Sem | No. of Courses | Programme Fees | Project/Workshop | Exam (@Rs 300/- per course) | Practical Exam and Viva-Voce | Miscellaneous | Degree Fee | Total |
|--|------------------|--------------------------|--------------|--------------|-------|---------------------------|------------|----------------|----------------|------------------|-----------------------------|------------------------------|---------------|------------|-------|
| MASTER OF ARTS Economics               | MAEC-21          | Graduation in any stream | 2            | 4            | Hindi | Semester                  | I          | 4              | 4200           | -                | 1200                        |                              | 150           |            | 5550  |
|  |                  |                          |              |              |       |                           | II         | 4              |                |                  | 1200                        |                              | -             |            | 1200  |
|  |                  |                          |              |              |       |                           | III        | 5              | 4200           | -                | 1500                        |                              | -             |            | 5700  |
|  |                  |                          |              |              |       |                           | IV         | 5              |                |                  | 1500                        |                              |               | 500        | 2000  |
| MASTER OF ARTS History                 | MAHI-21          | Graduation in any stream | 2            | 4            | Hindi | Semester                  | I          | 4              | 4200           | -                | 1200                        |                              | 150           |            | 5550  |
|  |                  |                          |              |              |       |                           | II         | 4              |                |                  | 1200                        |                              | -             |            | 1200  |
|  |                  |                          |              |              |       |                           | III        | 4              | 4200           | -                | 1200                        |                              | -             |            | 5400  |
|  |                  |                          |              |              |       |                           | IV         | 4              |                |                  | 1200                        |                              |               | 500        | 1700  |
| MASTER OF ARTS (POLITICAL SCIENCE)     | MAPS-21          | Graduation in any stream | 2            | 4            | Hindi | Semester                  | I          | 4              | 4200           | -                | 1200                        |                              | 150           |            | 5550  |
|  |                  |                          |              |              |       |                           | II         | 4              |                |                  | 1200                        |                              | -             |            | 1200  |
|  |                  |                          |              |              |       |                           | III        | 4              | 4200           | -                | 1200                        |                              | -             |            | 5400  |
|  |                  |                          |              |              |       |                           | IV         | 4              |                |                  | 1200                        |                              |               | 500        | 1700  |
| MASTER OF ARTS (PUBLIC ADMINISTRATION) | MAPA-21          | Graduation in any stream | 2            | 4            | Hindi | Semester                  | I          | 4              | 4200           | -                | 1200                        |                              | 150           |            | 5550  |
|  |                  |                          |              |              |       |                           | II         | 4              |                |                  | 1200                        |                              | -             |            | 1200  |
|  |                  |                          |              |              |       |                           | III        | 4              | 4200           | -                | 1200                        |                              | -             |            | 5400  |
|  |                  |                          |              |              |       |                           | IV         | 6              |                |                  | 1800                        |                              |               | 500        | 2300  |
| MASTER OF ARTS (Sociology)             | MASO-21          | Graduation in any stream | 2            | 4            | Hindi | Semester                  | I          | 4              | 4200           | -                | 1200                        |                              | 150           |            | 5550  |
|  |                  |                          |              |              |       |                           | II         | 4              |                |                  | 1200                        |                              | -             |            | 1200  |
|  |                  |                          |              |              |       |                           | III        | 5              | 4200           | -                | 1500                        |                              | -             |            | 5700  |
|  |                  |                          |              |              |       |                           | IV         | 5              |                |                  | 1500                        |                              |               | 500        | 2000  |
| MASTER OF SOCIAL WORK (MSW)            | MSW-21           | Graduation in any stream | 2            | 4            | Hindi | Semester                  | I          | 4              | 6100           | -                | 1200                        |                              | 150           |            | 7450  |
|  |                  |                          |              |              |       |                           | II         | 5              | 6100           | -                | 1500                        |                              | -             |            | 7600  |
|  |                  |                          |              |              |       |                           | III        | 5              | 6100           | -                | 1500                        |                              | -             |            | 7600  |
|  |                  |                          |              |              |       |                           | IV         |                | 6100           | 1500             | 0                           |                              | -             | 500        | 8100  |
| MASTER OF ARTS (Psychology)            | MAPSY-21         | Graduation in any stream | 2            | 4            | Hindi | Semester                  | I          | 4              | 4200           |                  | 1200                        |                              | 150           |            | 5550  |
|  |                  |                          |              |              |       |                           | II         | 4              |                | 1500             | 1200                        | 500                          |               |            | 3200  |
|  |                  |                          |              |              |       |                           | III        | 4              | 4200           |                  | 1200                        |                              |               |            | 5400  |
|  |                  |                          |              |              |       |                           | IV         | 4              |                | 1500             | 1200                        | 500                          |               | 500        | 3700  |
| MASTER OF ARTS (Development Studies)   | MADS-23          | Graduation in any stream | 2            | 4            | Hindi | Semester                  | I          | 3              | 3200           |                  | 900                         |                              | 150           |            | 4250  |
|  |                  |                          |              |              |       |                           | II         | 3              |                |                  | 900                         |                              |               |            | 900   |
|  |                  |                          |              |              |       |                           | III        | 3              | 3200           |                  | 900                         |                              |               |            | 4100  |
|  |                  |                          |              |              |       |                           | IV         | 2              |                | 1500             | 600                         |                              |               | 500        | 2600  |

**M.A.ECONOMICS एम0ए0अर्थशास्त्र****MAEC-21****Credits-72**

| Course Code         | Course Name  | Credits | Total Marks<br>(Th./Assign.) |
|---------------------|--|---------|------------------------------|
| <b>SEMESTER I</b>   |  |         |                              |
| MAEC-501            | आर्थिक सिद्धान्त की मूल अवधारणाएँ एवं उपभोक्ता व्यवहार<br>(Basic Concepts of Economic Theory and Consumer Behaviour) | 04      | 100 (70/30)                  |
| MAEC-502            | समष्टि अर्थशास्त्र (Macroeconomics)  | 04      | 100 (70/30)                  |
| MAEC-503            | भारतीय अर्थव्यवस्था: - मुद्दे और वित्तीय संबंध (Indian Economy:- Issues and Financial Relations)                     | 04      | 100 (70/30)                  |
| MAEC-504            | अर्थशास्त्र में गणित के प्रयोग (Applications of Mathematics in Economics)  | 04      | 100 (70/30)                  |
| <b>SEMESTER II</b>  |  |         |                              |
| MAEC-505            | उत्पादन और मूल्य निर्धारण का अर्थशास्त्र (Economics of Production and Pricing)                                       | 04      | 100 (70/30)                  |
| MAEC-506            | मुद्रा एवं बैंकिंग (Money and Banking)   | 04      | 100 (70/30)                  |
| MAEC-507            | भारतीय अर्थव्यवस्था के क्षेत्र एवं विदेशी व्यापार (Sectors of Indian Economy and Foreign Trade)                      | 04      | 100 (70/30)                  |
| MAEC-508            | सांख्यिकीय विधियाँ (Statistical Methods)   | 04      | 100 (70/30)                  |
| <b>SEMESTER III</b> |  |         |                              |
| MAEC-601            | आर्थिक विकास (Economic Development)  | 04      | 100 (70/30)                  |
| MAEC-602            | लोक वित्त (Public Finance)   | 04      | 100 (70/30)                  |
| MAEC-603            | अंतर्राष्ट्रीय अर्थशास्त्र के सिद्धान्त (Theories of International Economics)  | 04      | 100 (70/30)                  |
| MAEC-604            | कृषि अर्थशास्त्र के सिद्धान्त (Theories of Agricultural Economics)   | 04      | 100 (70/30)                  |
| MAEC-605            | जनांकिकी (Demography)  | 04      | 100 (70/30)                  |
| <b>SEMESTER IV</b>  |  |         |                              |
| MAEC-606            | आर्थिक संवृद्धि एवं नियोजन (Economic Growth and Planning)  | 04      | 100 (70/30)                  |
| MAEC-607            | राजकोषीय अर्थशास्त्र और संघीय वित्त (Fiscal Economics & Federal Finance)   | 04      | 100 (70/30)                  |
| MAEC-608            | अंतर्राष्ट्रीय व्यापार और संस्थान (International Trade and Organizations)  | 04      | 100 (70/30)                  |
| MAEC-609            | भारतीय कृषि (Indian Agriculture)   | 04      | 100 (70/30)                  |
| MAEC-610            | जनसांख्यिकी के मुद्दे (Issues of Demographic)  | 04      | 100 (70/30)                  |

**M.A. HISTORY एम0ए0इतिहास****MAHI-21****Credits-64**

| Course Code         | Course Name   | Credits | Total Marks<br>(Th./Assign.) |
|---------------------|---|---------|------------------------------|
| <b>SEMESTER I</b>   |   |         |                              |
| MAHI-501            | विश्व का इतिहास: 16वीं सदी के प्रारंभ से 1776 ईस्वी तक                        | 04      | 100 (70/30)                  |
| MAHI-502            | विश्व का इतिहास: 1789 ईस्वी से 1945 ईस्वी तक                                  | 04      | 100 (70/30)                  |
| MAHI-503            | भारतीय राष्ट्रीय आन्दोलन: स्वतंत्रता के लिए संघर्ष                            | 04      | 100 (70/30)                  |
| MAHI-504            | भारतीय राष्ट्रीय आन्दोलन: राष्ट्र-निर्माणकी भूमिका                            | 04      | 100 (70/30)                  |
| <b>SEMESTER II</b>  |   |         |                              |
| MAHI-505            | आधुनिक उत्तराखण्ड में समाज  | 04      | 100 (70/30)                  |
| MAHI-506            | आधुनिक उत्तराखण्ड में अर्थव्यवस्था  | 04      | 100 (70/30)                  |
| MAHI-507            | इतिहास लेखन: प्राचीन एवं मध्यकालीन  | 04      | 100 (70/30)                  |
| MAHI-508            | इतिहास लेखन: आधुनिक   | 04      | 100 (70/30)                  |
| <b>SEMESTER III</b> |   |         |                              |
| MAHI-601            | भारत का इतिहास: छठी सदी ईस्वी पूर्व से तृतीय सदी ईस्वी के मध्य तक             | 04      | 100 (70/30)                  |
| MAHI-602            | भारत का इतिहास: चतुर्थ सदी ईस्वी से सातवीं सदी ईस्वी के मध्य तक               | 04      | 100 (70/30)                  |
| MAHI-603            | भारत का इतिहास: सातवीं सदी ईस्वी से सोलहवीं सदी ईस्वी के प्रथम चतुर्थांश तक   | 04      | 100 (70/30)                  |
| MAHI-604            | भारत का इतिहास: सोलहवीं सदी ईस्वी के प्रारंभ से अठारहवीं सदी ईस्वी के मध्य तक | 04      | 100 (70/30)                  |
| <b>SEMESTER IV</b>  |   |         |                              |
| MAHI-605            | भारत का इतिहास: अठारहवीं सदी ईस्वी से उन्नीसवीं सदी ईस्वी के मध्य तक          | 04      | 100 (70/30)                  |
| MAHI-606            | भारत का इतिहास: उन्नीसवीं सदी ईस्वी के मध्य से स्वतंत्र भारत तक               | 04      | 100 (70/30)                  |
| MAHI-607            | भारतीय संस्कृति: प्राचीन काल से राजपूत काल तक                                 | 04      | 100 (70/30)                  |
| MAHI-608            | भारतीय संस्कृति: सल्तनत काल से आधुनिक काल तक                                  | 04      | 100 (70/30)                  |

| PROGRAMME STRUCTURE |   |         |                            |
|---------------------|---|---------|----------------------------|
| Course Code         | Course Name   | Credits | Total Marks (Th. /Assign.) |
| <b>SEMESTER I</b>   |   |         |                            |
| MAPS- 501           | अंतर्राष्ट्रीय राजनीति के सिद्धांत –I(Theory of International Politics-I)   | 04      | 100 (70/30)                |
| MAPS- 502           | भारतीय राजनीतिक व्यवस्था-I(Indian Political System-I)   | 04      | 100 (70/30)                |
| MAPS-503            | पाश्चात्य राजनीतिक चिंतन –I(Western Political Thought-I)  | 04      | 100 (70/30)                |
| MAPS-504            | तुलनात्मक राजनीति एवं राजनीतिक संस्थाएं –I(Comparative Politics and Political Institution -I)   | 04      | 100 (70/30)                |
| <b>SEMESTER II</b>  |   |         |                            |
| MAPS- 505           | अंतर्राष्ट्रीय राजनीति के सिद्धांत –II(Theory of International Politics-II)   | 04      | 100 (70/30)                |
| MAPS-506            | भारतीय राजनीतिक व्यवस्था-II(Indian Political System-II)   | 04      | 100 (70/30)                |
| MAPS-507            | पाश्चात्य राजनीतिक चिंतन –II(Western Political Thought-II)  | 04      | 100 (70/30)                |
| MAPS-508            | तुलनात्मक राजनीति एवं राजनीतिक संस्थाएं –II(Comparative Politics and Political Institution -II)   | 04      | 100 (70/30)                |
| <b>SEMESTER III</b> |   |         |                            |
| MAPS- 601           | भारतीय राजनीतिक चिंतन –I(Indian Political Thought-I)  | 04      | 100 (70/30)                |
| MAPS-602            | लोक प्रशासन के सिद्धांत –I(Theory of Public Administration-I)   | 04      | 100 (70/30)                |
| MAPS-603            | अंतर्राष्ट्रीय सम्बन्ध 1945से वर्तमान तक –I(International relations from 1945 to present –I)  | 04      | 100 (70/30)                |
| MAPS-604            | भारत में लोक प्रशासन : उत्तराखण्ड राज्य के विशेष सन्दर्भ में –I (Public Administration in India : With special Reference to Uttarakhand State-I )   | 04      | 100 (70/30)                |
| <b>SEMESTER IV</b>  |   |         |                            |
| MAPS- 605           | भारतीय राजनीतिक चिंतन –II(Indian Political Thought-II)  | 04      | 100 (70/30)                |
| MAPS-606            | लोक प्रशासन के सिद्धांत –II(Theory of Public Administration-II)   | 04      | 100 (70/30)                |
| MAPS-607            | अंतर्राष्ट्रीय सम्बन्ध 1945से वर्तमान तक –II(International relations from 1945 to present – II)   | 04      | 100 (70/30)                |
| MAPS-608            | भारत में लोक प्रशासन : उत्तराखण्ड राज्य के विशेष सन्दर्भ में –II (Public Administration in India : With special Reference to Uttarakhand State-II ) | 04      | 100 (70/30)                |

| MASTER OF ARTS (PUBLIC ADMINISTRATION) - मास्टरऑफ आर्ट्स (पब्लिकएडमिनिस्ट्रेशन) MAPA-21 |  |            |             |
|---|--|------------|-------------|
| Credits-72  |  |            |             |
| PROGRAMME STRUCTURE   |  |            |             |
| COURSE CODE   | COURSE NAME:<br>M.A. Public Administration | CREDIT- 72 | TOTAL MARKS |
| <b>Semester- I</b>  |  |            |             |
| MAPA-501  | लोक प्रशासन के सिद्धान्त (भाग- 1)          | 4          | 100 (70/30) |
| MAPA-502  | लोक प्रशासन के सिद्धान्त (भाग- 2)          | 4          | 100 (70/30) |
| MAPA-503  | भारत में लोक प्रशासन (भाग- 1)              | 4          | 100 (70/30) |
| MAPA-504  | भारत में लोक प्रशासन (भाग- 2)              | 4          | 100 (70/30) |
| <b>Semester- II</b>   |  |            |             |
| MAPA-505  | तुलनात्मक लोक प्रशासन (भाग- 1)             | 4          | 100 (70/30) |
| MAPA- 506   | तुलनात्मक लोक प्रशासन (भाग- 2)             | 4          | 100 (70/30) |
| MAPA-507  | भारत में स्थानीय शासन (भाग- 1)             | 4          | 100 (70/30) |

|                      |                                       |   |             |
|----------------------|---------------------------------------|---|-------------|
| MAPA-508             | भारत में स्थानीय शासन (भाग- 2)        | 4 | 100 (70/30) |
| <b>Semester- III</b> |                                       |   |             |
| MAPA-601             | विकास प्रशासन (भाग- 1)                | 4 | 100 (70/30) |
| MAPA-602             | विकास प्रशासन (भाग- 2)                | 4 | 100 (70/30) |
| MAPA-603             | कार्मिक प्रशासन (भाग- 1)              | 4 | 100 (70/30) |
| MAPA-604             | कार्मिक प्रशासन भाग- 2)               | 4 | 100 (70/30) |
| <b>Semester- IV</b>  |                                       |   |             |
| MAPA-605             | वित्तीय प्रशासन (भाग- 1)              | 4 | 100 (70/30) |
| MAPA-606             | वित्तीय प्रशासन (भाग- 2)              | 4 | 100 (70/30) |
| MAPA-607             | उत्तराखण्ड में राज्य प्रशासन (भाग- 1) | 4 | 100 (70/30) |
| MAPA-608             | उत्तराखण्ड में राज्य प्रशासन (भाग- 2) | 4 | 100 (70/30) |
| MAPA-609             | प्रशासनिक चिंतक (भाग- 1)              | 4 | 100 (70/30) |
| MAPA-610             | प्रशासनिक चिंतक (भाग.- 2)             | 4 | 100 (70/30) |

## M.A. Sociology एम0ए0समाजशास्त्र

MASO-21

Credits-72

| Course Code         | Course Name  | Credits | Total Marks<br>(Th./Assign.) |
|---------------------|--|---------|------------------------------|
| <b>SEMESTER I</b>   |  |         |                              |
| MASO-501            | समाजशास्त्र का परिचय-I(Introduction to Sociology-I)  | 04      | 100 (70/30)                  |
| MASO-502            | समाजशास्त्रीय सिद्धांत-I (Sociological Theories-I)   | 04      | 100 (70/30)                  |
| MASO-503            | सामाजिक अनुसंधान विधियां और कंप्यूटर उपयोग-I (Social Research methods & Computer Applications-I)   | 04      | 100 (70/30)                  |
| MASO-504            | ग्रामीण समाजशास्त्र I (Rural Sociology I)  | 04      | 100 (70/30)                  |
| <b>SEMESTER II</b>  |  |         |                              |
| MASO-505            | समाजशास्त्र का परिचय II(Introduction to Sociology-II)  | 04      | 100 (70/30)                  |
| MASO-506            | समाजशास्त्रीय सिद्धांत II (Sociological Theories-II)   | 04      | 100 (70/30)                  |
| MASO-507            | सामाजिक अनुसंधान विधियां और कंप्यूटर उपयोग-II (Social Research methods & Computer Applications-II) | 04      | 100 (70/30)                  |
| MASO-508            | ग्रामीण समाजशास्त्र II (Rural Sociology-II)  | 04      | 100 (70/30)                  |
| <b>SEMESTER III</b> |  |         |                              |
| MASO-601            | शहरी समाजशास्त्र -I (Urban Sociology- I)   | 04      | 100 (70/30)                  |
| MASO-602            | भारतीय समाजशास्त्रीय विचार -I(Indian Sociological Thought-I)                                       | 04      | 100 (70/30)                  |
| MASO-603            | स्वास्थ्य और चिकित्सा का समाजशास्त्र -I(Sociology of Health & Medicine-I)                          | 04      | 100 (70/30)                  |
| MASO-604            | पहाड़ी क्षेत्र में सतत विकास-I (Sustainable Development in Hill Area-I)                            | 04      | 100 (70/30)                  |
| MASO-605            | सामाजिक मनोविज्ञान-I (Social Psychology- I)  | 04      | 100 (70/30)                  |
| <b>SEMESTER IV</b>  |  |         |                              |
| MASO-606            | शहरी समाजशास्त्र-II(Urban Sociology- II)   | 04      | 100 (70/30)                  |
| MASO-607            | भारतीय समाजशास्त्रीय विचार-II(Indian Sociological Thought-II)                                      | 04      | 100 (70/30)                  |
| MASO-608            | स्वास्थ्य और चिकित्सा का समाजशास्त्र -II(Sociology of Health & Medicine-II)                        | 04      | 100 (70/30)                  |
| MASO-609            | (पहाड़ी क्षेत्र में सतत विकास-II (Sustainable Development in Hill Area-II)                         | 04      | 100 (70/30)                  |
| MASO-610            | सामाजिक मनोविज्ञान-II (Social Psychology- II)  | 04      | 100 (70/30)                  |

MSW-21

Credits-70

## MASTER OF SOCIAL WORK -मास्टरऑफ सोशल वर्क

MSW

| <b>PROGRAMME STRUCTURE</b> |  |         |                              |
|----------------------------|--|---------|------------------------------|
| Course Code                | Course Name  | Credits | Total Marks<br>(Th./Assign.) |
| <b>SEMESTER I</b>          |  |         |                              |
| MSW -01                    | Social Work: An Introduction(समाज कार्य: एक परिचय) | 04      | 100 (70/30)                  |
| MSW -02                    | Social Research (सामाजिक अनुसंधान)                 | 04      | 100 (70/30)                  |

|  |   |    |               |
|--|---|----|---------------|
| MSW -03  | Indian Social Problems (भारतीय सामाजिक समस्याएँ)  | 04 | 100 (70/30)   |
| MSW -04  | Sociology & Social Work (समाजशास्त्र एवं समाज कार्य)                                      | 04 | 100 (70/30)   |
| <b>SEMESTER II</b>   |   |    |               |
| MSW -05  | Social Psychology, Communication & Social Work(सामाजिक मनोविज्ञान, संचार एवं समाज कार्य ) | 04 | 100 (70/30)   |
| MSW -06  | Social Case Work &Counselling(वैयक्तिक समाज कार्य एवं परामर्श)                            | 04 | 100 (70/30)   |
| MSW -07  | Social Group Work (समूह समाज कार्य)   | 04 | 100 (70/30)   |
| MSW -08  | Social Welfare Administration & Legislation (समाज कल्याण प्रशासन एवं विधान)               | 04 | 100 (70/30)   |
| MSW -09  | Field Work-I (क्षेत्र कार्य)  | 02 | 100 (70/30)   |
| <b>SEMESTER III</b>  |   |    |               |
| MSW -10  | Social Development & Social Work(सामाजिक विकास एवं समाज कार्य)                            | 04 | 100 (70/30)   |
| MSW -11  | Community organisation& Social Action(सामुदायिक संगठन एवं सामाजिक क्रिया)                 | 04 | 100 (70/30)   |
| MSW -12  | NGOs Management (एनजीओ प्रबन्धन)  | 04 | 100 (70/30)   |
| MSW -13  | Field Work-II (क्षेत्र कार्य)   | 02 | 100 (70/30)   |
| <b>SPECIALIZATION: OUT OF THREE SPECIALIZED PAPERS LEARNER HAS TO SELECT ONE PAPER</b>   |   |    |               |
| MSW-14   | Human Resource Management & Industrial Relation (मानव संसाधन प्रबन्धन एवं औद्योगिक संबंध) | 04 | 100 (70/30)   |
| MSW-15   | Labour Welfare& Legislation (श्रम कल्याण एवं विधान)                                       | 04 | 100 (70/30)   |
| MSW-16   | Medical Social Work (चिकित्सकीय समाज कार्य )  | 04 | 100 (70/30)   |
| <b>SEMESTER IV</b>   |   |    |               |
| MSW-17   | Project Work/Dissertation (परियोजना कार्य/लघु शोध प्रबन्ध)                                | 10 | 400 (280/120) |
| नोट: MSW-17 कुल 400 अंकों का होगा जिसमें से 300 अंक परियोजना कार्य/लघु शोध प्रबन्ध हेतु तथा 100 अंक मौखिकी परीक्षा हेतु निर्धारित हैं। |   |    |               |

**MAPSY-24**

**M.A. Psychology (एम.ए. –मनोविज्ञान)**

**Credit: 64**

| <b>Programme structure</b> |   |        |                      |
|----------------------------|---|--------|----------------------|
| Course Code                | Course Name   | Credit | Marks (Th. /Assign.) |
| <b>Semester -I</b>         |   |        |                      |
| MAPSY-501                  | मनोवैज्ञानिक शोध विधि -Psychological Research Methodology   | 03     | 100 (70/30)          |
| MAPSY-502                  | मनोवैज्ञानिक मापन- Psychological measurement  | 03     | 100 (70/30)          |
| MAPSY-503                  | संज्ञानात्मक मनोविज्ञान: मनोभौतिकी एवं प्रत्यक्षात्मक प्रक्रियाएँ -Cognitive Psychology: Psychophysics and Perceptual Processes | 03     | 100 (70/30)          |
| MAPSY-504                  | व्यावहारिक सामाजिक मनोविज्ञान -Applied Social Psychology  | 03     | 100 (70/30)          |
| <b>Semester -II</b>        |   |        |                      |
| MAPSY-505                  | अनुसंधान डिजाइन और तथ्य विश्लेषण- Research Design and data Interpretation   | 03     | 100 (70/30)          |
| MAPSY-506                  | मनोवैज्ञानिक सांख्यिकी-Psychological Statistics   | 03     | 100 (70/30)          |
| MAPSY-507                  | संज्ञानात्मक मनोविज्ञान: बौद्धिक प्रक्रियाएँ - Cognitive Psychology: Intellectual processes                                     | 03     | 100 (70/30)          |
| MAPSY-508                  | उच्चतर सामाजिक मनोविज्ञान -Advanced Social Psychology   | 03     | 100 (70/30)          |
| MAPSY-509                  | प्रयोगात्मक (सेमेस्टर 1 <sup>st</sup> एवं 2 <sup>nd</sup> ) - Practical (Semester 1 <sup>st</sup> & 2 <sup>nd</sup> )           | 08     | 100                  |
| <b>Semester - III</b>      |   |        |                      |
| MAPSY-601                  | व्यक्तित्व के सिद्धान्त ;Theories of Personality  | 03     | 100 (70/30)          |
| MAPSY-602                  | नैदानिक मनोविज्ञान के आधार-Foundation of clinical Psychology  | 03     | 100 (70/30)          |
| MAPSY-603                  | विकासात्मक मनोविज्ञान: जीवन विकास मनोविज्ञान -Developmental Psychology: life span Psychology                                    | 03     | 100 (70/30)          |
| MAPSY-604                  | निर्देशन एवं परामर्श का परिचय-Introduction of guidance and counseling   | 03     | 100 (70/30)          |
| <b>Semester- IV</b>        |   |        |                      |
| MAPSY-605                  | शीलगुण एवं व्यक्तित्व का मूल्यांकन- Traits and assessment of personality  | 03     | 100 (70/30)          |
| MAPSY-606                  | मनोचिकित्सकीय हस्तक्षेप-Psychotherapeutic Intervention  | 03     | 100 (70/30)          |
| MAPSY-607                  | विकासात्मक मनोविज्ञान : पूर्व युवावस्था से वृद्धावस्था Developmental Psychology: Early Adulthood to Old age                     | 03     | 100 (70/30)          |
| MAPSY-608                  | निर्देशन एवं परामर्श:हस्तक्षेप एवं मूल्यांकन Guidance and Counseling: Intervention and assessment                               | 03     | 100 (70/30)          |
| MAPSY-609                  | प्रयोगात्मक (सेमेस्टर 3 <sup>rd</sup> एवं 4 <sup>th</sup> ) - Practical (Semester 3 <sup>rd</sup> & 4 <sup>th</sup> )           | 08     | 100                  |

| Course Code         | Course Name  | Credits | Total Marks (Th./Assign.) |
|---------------------|--|---------|---------------------------|
| <b>SEMESTER I</b>   |  |         |                           |
| MADS-01             | विकास अध्ययन: परिचय और सिद्धांत (Development Studies: Introduction and Theories)                     | 06      | 100 (70/30)               |
| MADS -02            | विकास के मुद्दे और चुनौतियाँ (Issues and Challenges of Development)                                  | 06      | 100 (70/30)               |
| MADS -03            | भारत में विकास (Development in India)  | 06      | 100 (70/30)               |
| <b>SEMESTER II</b>  |  |         |                           |
| MADS -04            | ग्रामीण विकास (Rural Development)  | 06      | 100 (70/30)               |
| MADS -05            | भारत में शहरी विकास (Urban Development in India)   | 06      | 100 (70/30)               |
| MADS -06            | विकास अध्ययन हेतु अनुसंधान पद्धति (Research Methodology for Development Studies)                     | 06      | 100 (70/30)               |
| <b>SEMESTER III</b> |  |         |                           |
| MADS -07            | स्वास्थ्य और विकास (Health and Development)  | 06      | 100 (70/30)               |
| MADS -08            | जेंडर और विकास (Gender and Development)  | 06      | 100 (70/30)               |
| MADS -09            | अनुसंधान हेतु सांख्यिकी और कंप्यूटर का अनुप्रयोग (Statistics and Computer Applications for Research) | 06      | 100 (70/30)               |
| <b>SEMESTER IV</b>  |  |         |                           |
| MADS -10            | सतत विकास, पर्यावरण और विकास (Sustainable Development, Environment and Development)                  | 06      | 100 (70/30)               |
| MADS -11            | उद्यमिता विकास (Entrepreneurship Development)  | 06      | 100 (70/30)               |
| MADS -12            | PROJECT*   | 06      | 100 (70/30)               |

# मानविकी विद्याशाखा(School of Humanities)

## PROGRAMME SUMMARY & FEE STRUCTURE

| Programme Name & Abbreviation                  | Program me (Code) | Eligibility   | Minimum (Yr) | Maximum (Yr) | SLM     | Mode of Exam (Annual/S) | Year / Sem | No. of Courses | Program me Fees | Project/ Workshop | Exam (@Rs 300/- ner) | Practical Exam and Viva- | Miscellane-ous | Degree Fee | Total |
|--|-------------------|---|--------------|--------------|---------|-------------------------|------------|----------------|-----------------|-------------------|----------------------|--------------------------|----------------|------------|-------|
| MASTER OF ARTS (HINDI)- MA(HINDI)              | MAHL-21           | Graduation in any stream  | 2            | 4            | Hindi   | Semester                | I          | 4              | 4200            | -                 | 1200                 | -                        | 150            |            | 5550  |
|  |                   |   |              |              |         |                         | II         | 4              |                 | -                 | 1200                 | -                        | -              |            | 1200  |
|  |                   |   |              |              |         |                         | III        | 5              | 4200            |                   | 1500                 |                          |                |            | 5700  |
|  |                   |   |              |              |         |                         | IV         | 5              |                 |                   | 1500                 |                          | 500            | 2000       |       |
| MASTER OF ARTS (ENGLISH)- MAEL-21              | MAEL-21           | Graduation in any stream  | 2            | 4            | English | Semester                | I          | 4              | 4200            | -                 | 1200                 | -                        | 150            |            | 5550  |
|  |                   |   |              |              |         |                         | II         | 4              |                 | -                 | 1200                 | -                        | -              |            | 1200  |
|  |                   |   |              |              |         |                         | III        | 5              | 4200            |                   | 1500                 |                          |                | 5700       |       |
|  |                   |   |              |              |         |                         | IV         | 5              |                 |                   | 1500                 |                          | 500            | 2000       |       |
| MASTER OF ARTS (SANSKRIT)- MASL-21             | MASL-21           | Graduation in any stream  | 2            | 4            | Hindi   | Semester                | I          | 4              | 4200            | -                 | 1200                 | -                        | 150            |            | 5550  |
|  |                   |   |              |              |         |                         | II         | 4              |                 | -                 | 1200                 | -                        | -              |            | 1200  |
|  |                   |   |              |              |         |                         | III        | 5              | 4200            |                   | 1500                 |                          |                | 5700       |       |
|  |                   |   |              |              |         |                         | IV         | 5              |                 |                   | 1500                 |                          | 500            | 2000       |       |
| MASTER OF ARTS (JYOTISH)- MAJY-21              | MAJY-21           | Graduation in any stream  | 2            | 4            | Hindi   | Semester                | I          | 4              | 4200            | -                 | 1200                 | -                        | 150            |            | 5550  |
|  |                   |   |              |              |         |                         | II         | 4              |                 | -                 | 1200                 | -                        | -              |            | 1200  |
|  |                   |   |              |              |         |                         | III        | 5              | 4200            |                   | 1500                 |                          |                | 5700       |       |
|  |                   |   |              |              |         |                         | IV         | 5              |                 |                   | 1500                 |                          | 500            | 2000       |       |
| MASTER OF ARTS ( URDU ) MAUL-23                | MAUL-23           | Graduation in any stream  | 2            | 4            | Urdu    | Semester                | I          | 4              | 4200            |                   | 1200                 |                          | 150            |            | 5550  |
|  |                   |   |              |              |         |                         | II         | 4              |                 |                   | 1200                 |                          | -              |            | 1200  |
|  |                   |   |              |              |         |                         | III        | 5              | 4200            |                   | 1500                 |                          |                | 5700       |       |
|  |                   |   |              |              |         |                         | IV         | 5              |                 |                   | 1500                 |                          | 500            | 2000       |       |
| MASTER OF PERFORMING ARTS (MPA-MUSIC)* MPAM-21 | MPAM-21           | अ) बी0ए0 [संगीत विषय की संबंधित विधा(जैसे गायन,तबला आदि) के साथ] याब) बी0एस0सी0/बी0 कॉम0/बी0ए0 (संगीत विषय के बिना)/स्नातक डिग्री के समकक्ष कोई उपाधि के साथ स्नातक के समकक्ष डिप्लोमा (जैसे भातखण्डे संगीत विद्यापीठ लखनऊ का संगीत विशारद/ प्रयाग संगीत समिति इलाहाबाद का संगीत प्रभाकर/ अखिल भारतीय गंधर्व महाविद्यालय मंडल मुंबई का संगीत विद आदि) संगीत विषय की संबंधित विधा(जैसे गायन,तबला आदि) में। | 2            | 4            | Hindi   | Semester                | I          | 2              | 5200            | 1000              | 600                  | 1000                     | 150            |            | 7950  |
|  |                   |   |              |              |         |                         | II         | 2              |                 | 1000              | 600                  | 1000                     | -              |            | 2600  |
|  |                   |   |              |              |         |                         | III        | 2              | 5200            | 1000              | 600                  | 1000                     | -              | -          | 7800  |
|  |                   |   |              |              |         |                         | IV         | 2              |                 | 1000              | 600                  | 1000                     | -              | 500        | 3100  |

\* प्रदर्शन कला(संगीत) में स्नातकोत्तर पाठ्यक्रम के अन्तर्गत संगीत की तीन विधाएं (गायन, स्वरवाद्य एवं तबला) सम्मिलित हैं, जिनमें से किसी एक विधा का ही चयन किया जा सकता है। संगीत की स्वरवाद्य विधा के अन्तर्गत सितार, सरोद, संतूर, वायलिन, बाँसुरी तथा गिटार(भारतीय) वाद्य सम्मिलित हैं। प्रत्येक सेमेस्टर में एक कार्यशाला का आयोजन विश्वविद्यालय द्वारा किया जाएगा जिसमें सभी विद्यार्थियों का सम्मिलित होना अनिवार्य है। प्रत्येक विद्यार्थी कार्यशाला में प्रतिभाग करने के उपरान्त ही प्रयोगात्मक परीक्षा में सम्मिलित हो पायेगा।



**मानविकी विद्याशाखा**  
**School of Humanities**  
**PROGRAMME SUMMARY**

**Master of Arts (Hindi) मास्टर ऑफ आर्ट्स (हिंदी)**

**MAHL-21**

**Credits-72**

| Course Code   | Course Name                                   | Credits | Total Marks (Th./Assign.) |
|---|---|---------|---------------------------|
| <b>SEMESTER I</b>   |   |         |                           |
| MAHL-501  | हिन्दी साहित्य का इतिहास और आदिकालीन कविता-01 | 04      | 100 (70/30)               |
| MAHL-502  | मध्यकालीन कविता-01                            | 04      | 100 (70/30)               |
| MAHL-503  | आधुनिक एवंसमकालीन कविता-01                    | 04      | 100 (70/30)               |
| MAHL-504  | साहित्यशास्त्र एवं हिन्दी समालोचना-01         | 04      | 100 (70/30)               |
| <b>SEMESTER II</b>  |   |         |                           |
| MAHL-505  | हिन्दी साहित्य का इतिहास और आदिकालीन कविता-02 | 04      | 100 (70/30)               |
| MAHL-506  | मध्यकालीन कविता-02                            | 04      | 100 (70/30)               |
| MAHL-507  | आधुनिक एवंसमकालीन कविता -02                   | 04      | 100 (70/30)               |
| MAHL-508  | साहित्यशास्त्र एवं हिन्दी समालोचना-02         | 04      | 100 (70/30)               |
| <b>SEMESTER III</b>   |   |         |                           |
| MAHL-601  | कथा साहित्य - 01                              | 04      | 100 (70/30)               |
| MAHL-602  | नाटक एवं कथेतर साहित्य- 01                    | 04      | 100 (70/30)               |
| MAHL-603  | भाषा विज्ञान एवं हिन्दी भाषा- 01              | 04      | 100 (70/30)               |
| MAHL-604  | तुलनात्मक एवं भारतीय साहित्य- 01              | 04      | 100 (70/30)               |
| <b>वैकल्पिक प्रश्नपत्र (किसी एक प्रश्नपत्र का चयन करें)</b> |   |         |                           |
| MAHL-605  | उत्तराखण्ड का लोक साहित्य-01                  | 04      | 100 (70/30)               |
| MAHL-606  | हिन्दी पत्रकारिता : इतिहास एवं सिद्धान्त-01   | 04      | 100 (70/30)               |
| <b>SEMESTER IV</b>  |   |         |                           |
| MAHL-607  | कथा साहित्य - 02                              | 04      | 100 (70/30)               |
| MAHL-608  | नाटक एवं कथेतर साहित्य- 02                    | 04      | 100 (70/30)               |
| MAHL-609  | भाषा विज्ञान एवं हिन्दी भाषा- 02              | 04      | 100 (70/30)               |
| MAHL-610  | तुलनात्मक एवं भारतीय साहित्य- 02              | 04      | 100 (70/30)               |
| <b>वैकल्पिक प्रश्नपत्र (किसी एक प्रश्नपत्र का चयन करें)</b> |   |         |                           |
| MAHL-611  | उत्तराखण्ड का लोक साहित्य-02                  | 04      | 100 (70/30)               |
| MAHL-612  | हिन्दी पत्रकारिता : इतिहास एवं सिद्धान्त-02   | 04      | 100 (70/30)               |

**Master of Arts (English)**

**MAEL-21**

**M.A. ENGLISH**

**Credits-72**

| Course Code       | Course Name                      | Credits | Total Marks (Th./Assign.) |
|-------------------|----------------------------------|---------|---------------------------|
| <b>SEMESTER I</b> |                                  |         |                           |
| MAEL-501          | Course 1 Prose and Short Fiction | 04      | 100 (70/30)               |
| MAEL-502          | Course 2 British Poetry-I        | 04      | 100 (70/30)               |
| MAEL-503          | Course 3 British Drama-I         | 04      | 100 (70/30)               |
| MAEL-504          | Course 4 Criticism-I             | 04      | 100 (70/30)               |

| SEMESTER II  |          |   |    |             |
|--------------|----------|---|----|-------------|
| MAEL-505     | Course 1 | Fiction   | 04 | 100 (70/30) |
| MAEL-506     | Course 2 | British Poetry-II                                       | 04 | 100 (70/30) |
| MAEL-507     | Course 3 | British Drama-II  | 04 | 100 (70/30) |
| MAEL-508     | Course 4 | Criticism-II  | 04 | 100 (70/30) |
| SEMESTER III |          |   |    |             |
| MAEL-601     | Course 1 | British Poetry-III                                      | 04 | 100 (70/30) |
| MAEL-602     | Course 2 | Shakespeare-I   | 04 | 100 (70/30) |
| MAEL-603     | Course 3 | Indian Writing in English and in English Translation-I  | 04 | 100 (70/30) |
| MAEL-604     | Course 4 | Indian Aesthetics                                       | 04 | 100 (70/30) |
| MAEL-605     | Course 5 | American Literature-I                                   | 04 | 100 (70/30) |
| SEMESTER IV  |          |   |    |             |
| MAEL-606     | Course 1 | British Poetry-IV                                       | 04 | 100 (70/30) |
| MAEL-607     | Course 2 | Shakespeare-II  | 04 | 100 (70/30) |
| MAEL-608     | Course 3 | Indian Writing in English and in English Translation-II | 04 | 100 (70/30) |
| MAEL-609     | Course 4 | Modern Literary Theory and Criticism                    | 04 | 100 (70/30) |
| MAEL-610     | Course 5 | American Literature II                                  | 04 | 100 (70/30) |

**Master of Arts (Sanskrit) मास्टर ऑफ आर्ट्स (संस्कृत )**

**MASL-21**

**Credits-72**

| Course Code  | Course Name                            | Credits | Total Marks (Th./Assign.) |
|--------------|--|---------|---------------------------|
| SEMESTER I   |  |         |                           |
| MASL-501     | वेद एवं निरुक्त 01                     | 04      | 100 (70/30)               |
| MASL-502     | संस्कृत भाषाविज्ञान एवं व्याकरण -01    | 04      | 100 (70/30)               |
| MASL-503     | भारतीय दर्शन 01                        | 04      | 100 (70/30)               |
| MASL-504     | नाटक एवं नाट्यशास्त्र 01               | 04      | 100 (70/30)               |
| SEMESTER II  |  |         |                           |
| MASL-505     | वेद एवं निरुक्त 02                     | 04      | 100 (70/30)               |
| MASL-506     | संस्कृत भाषाविज्ञान एवं व्याकरण -02    | 04      | 100 (70/30)               |
| MASL-507     | भारतीय दर्शन 02                        | 04      | 100 (70/30)               |
| MASL-508     | नाटक एवं नाट्यशास्त्र 02               | 04      | 100 (70/30)               |
| SEMESTER III |  |         |                           |
| MASL-601     | काव्यशास्त्र 01                        | 04      | 100 (70/30)               |
| MASL-602     | गद्य एवं पद्य काव्य01                  | 04      | 100 (70/30)               |
| MASL-603     | सिद्धान्तकौमुदी ,कारक एवं समास- 01     | 04      | 100 (70/30)               |
| MASL-604     | नाटक एवं नाटिका 01                     | 04      | 100 (70/30)               |
| MASL-605     | संस्कृत साहित्य की आधुनिक प्रतिभाएं 01 | 04      | 100 (70/30)               |
| SEMESTER IV  |  |         |                           |
| MASL-606     | काव्यशास्त्र 02                        | 04      | 100 (70/30)               |
| MASL-607     | गद्य एवं पद्य काव्य02                  | 04      | 100 (70/30)               |
| MASL-608     | सिद्धान्तकौमुदी ,कारक एवं समास- 02     | 04      | 100 (70/30)               |
| MASL-609     | नाटक एवं नाटिका 02                     | 04      | 100 (70/30)               |
| MASL-610     | संस्कृत साहित्य की आधुनिक प्रतिभाएं 02 | 04      | 100 (70/30)               |

**Master of Arts ( Jyotish )****MAJY-21****मास्टरऑफ आर्ट्स (ज्योतिष )****Credits-72**

| Course Code         | Course Name                                    | Credits | Total Marks (Th./Assign.) |
|---------------------|--|---------|---------------------------|
| <b>SEMESTER I</b>   |  |         |                           |
| MAJY-501            | भारतीय ज्योतिष का परिचय एवं इतिहास -01         | 04      | 100 (70/30)               |
| MAJY-502            | सिद्धान्त ज्योतिष एवं काल विवेचन -01           | 04      | 100 (70/30)               |
| MAJY-503            | पंचांग एवं मुहूर्त -01                         | 04      | 100 (70/30)               |
| MAJY-504            | ग्रहण, वेध-यन्त्र तथा गोल परिचय -01            | 04      | 100 (70/30)               |
| <b>SEMESTER II</b>  |  |         |                           |
| MAJY-505            | भारतीय ज्योतिष का परिचय एवं इतिहास -02         | 04      | 100 (70/30)               |
| MAJY-506            | सिद्धान्त ज्योतिष एवं काल विवेचन-02            | 04      | 100 (70/30)               |
| MAJY-507            | पंचांग एवं मुहूर्त-02                          | 04      | 100 (70/30)               |
| MAJY-508            | ग्रहण, वेध-यन्त्र तथा गोल परिचय-02             | 04      | 100 (70/30)               |
| <b>SEMESTER III</b> |  |         |                           |
| MAJY-601            | होराशास्त्र एवं फलोदश विवेचन- 01               | 04      | 100 (70/30)               |
| MAJY-602            | ज्योतिषशास्त्रीय विविध योग एवं दशाफल विचार-01  | 04      | 100 (70/30)               |
| MAJY-603            | ज्योतिष प्रबोध-01                              | 04      | 100 (70/30)               |
| MAJY-604            | संहिता स्कन्ध-01                               | 04      | 100 (70/30)               |
| MAJY-605            | ज्योतिषशास्त्र एवं यात्रा विमर्श-01            | 04      | 100 (70/30)               |
| <b>SEMESTER IV</b>  |  |         |                           |
| MAJY-606            | होराशास्त्र एवं फलोदश विवेचन- 02               | 04      | 100 (70/30)               |
| MAJY-607            | ज्योतिषशास्त्रीय विविध योग एवं दशाफल विचार -02 | 04      | 100 (70/30)               |
| MAJY-608            | ज्योतिष प्रबोध -02                             | 04      | 100 (70/30)               |
| MAJY-609            | संहिता स्कन्ध -02                              | 04      | 100 (70/30)               |
| MAJY-610            | ज्योतिषशास्त्र एवं यात्रा विमर्श -02           | 04      | 100 (70/30)               |

**Master Of Performing Arts (Music)****MPAM-21****प्रदर्शन कला(संगीत) में स्नातकोत्तर – गायन विधा****Credits-60**

| Course Code         | Course Name                        | Credit | Total Marks(Th. /Assign.) |
|---------------------|------------------------------------|--------|---------------------------|
| <b>SEMESTER I</b>   |                                    |        |                           |
| MPAM-501            | संगीत एवं सौन्दर्यशास्त्र I        | 02     | 100 (70/30)               |
| MPAMV-502           | गायन -रागों और तालों का अध्ययन I   | 02     | 100 (70/30)               |
| MPAMV-503           | प्रयोगात्मक - 1                    | 04     | 200                       |
| MPAMV--504          | प्रयोगात्मक - 2                    | 07     | 350                       |
| <b>SEMESTER II</b>  |                                    |        |                           |
| MPAM 505            | संगीत एवं सौन्दर्यशास्त्र II       | 02     | 100 (70/30)               |
| MPAMV--506          | गायन -रागों और तालों का अध्ययन II  | 02     | 100 (70/30)               |
| MPAMV--507          | प्रयोगात्मक - 3                    | 04     | 200                       |
| MPAMV--508          | प्रयोगात्मक - 4                    | 07     | 350                       |
| <b>SEMESTER III</b> |                                    |        |                           |
| MPAM 601            | संगीत शास्त्र I                    | 02     | 100 (70/30)               |
| MPAMV--602          | गायन -रागों और तालों का अध्ययन III | 02     | 100 (70/30)               |
| MPAMV--603          | प्रयोगात्मक - 5                    | 04     | 200                       |
| MPAMV-604           | प्रयोगात्मक - 6                    | 07     | 350                       |
| <b>SEMESTER IV</b>  |                                    |        |                           |
| MPAM 605            | संगीत शास्त्र II                   | 02     | 100 (70/30)               |
| MPAMV--606          | गायन -रागों और तालों का अध्ययन IV  | 02     | 100 (70/30)               |

|   |                 |    |     |
|---|-----------------|----|-----|
| MPAMV-607   | प्रयोगात्मक - 7 | 04 | 200 |
| MPAMV-608   | प्रयोगात्मक - 8 | 07 | 350 |
| नोट- 1.एम0पी0ए0 संगीतप्रथमव द्वितीय सेमेस्टरके प्रश्न पत्र (एम0पी0ए0एम0-501व 505) गायन, स्वरवाद्यतथातबलातीनोंविधाओं केलिएसमानहैं। |                 |    |     |
| 2. एम0पी0ए0 संगीततृतीयव चतुर्थ सेमेस्टरके प्रश्न पत्र (एम0पी0ए0एम0-601व 605) गायनतथास्वरवाद्यविधाकेलिएसमानहैं।                    |                 |    |     |

### Master Of Performing Arts (Music)

MPAM-21

प्रदर्शन कला(संगीत) में स्नातकोत्तर –स्वरवाद्य विधा

Credits-60

| PROGRAMME STRUCTURE   |   |         |                           |
|---|---|---------|---------------------------|
| Course Code   | Course Name                             | Credits | Total Marks(Th. /Assign.) |
| <b>SEMESTER I</b>   |   |         |                           |
| MPAM-501  | संगीत एवं सौन्दर्यशास्त्र I             | 02      | 100 (70/30)               |
| MPAMI-502   | स्वरवाद्य -रागों और तालों का अध्ययन I   | 02      | 100 (70/30)               |
| MPAMI-503   | प्रयोगात्मक - 1                         | 04      | 200                       |
| MPAMI--504  | प्रयोगात्मक - 2                         | 07      | 350                       |
| <b>SEMESTER II</b>  |   |         |                           |
| MPAM 505  | संगीत एवं सौन्दर्यशास्त्र II            | 02      | 100 (70/30)               |
| MPAMI--506  | स्वरवाद्य -रागों और तालों का अध्ययन II  | 02      | 100 (70/30)               |
| MPAMI--507  | प्रयोगात्मक - 3                         | 04      | 200                       |
| MPAMI--508  | प्रयोगात्मक - 4                         | 07      | 350                       |
| <b>SEMESTER III</b>   |   |         |                           |
| MPAM 601  | संगीत शास्त्र I                         | 02      | 100 (70/30)               |
| MPAMI--602  | स्वरवाद्य -रागों और तालों का अध्ययन III | 02      | 100 (70/30)               |
| MPAMI--603  | प्रयोगात्मक - 5                         | 04      | 200                       |
| MPAMI-604   | प्रयोगात्मक - 6                         | 07      | 350                       |
| <b>SEMESTER IV</b>  |   |         |                           |
| MPAM 605  | संगीत शास्त्र II                        | 02      | 100 (70/30)               |
| MPAMI--606  | स्वरवाद्य -रागों और तालों का अध्ययन IV  | 02      | 100 (70/30)               |
| MPAMI-607   | प्रयोगात्मक - 7                         | 04      | 200                       |
| MPAMI-608   | प्रयोगात्मक - 8                         | 07      | 350                       |
| नोट- 1.एम0पी0ए0 संगीतप्रथमव द्वितीय सेमेस्टरके प्रश्न पत्र (एम0पी0ए0एम0-501व 505) गायन, स्वरवाद्यतथातबलातीनोंविधाओं केलिएसमानहैं। |   |         |                           |
| 2. एम0पी0ए0 संगीततृतीयव चतुर्थ सेमेस्टरके प्रश्न पत्र (एम0पी0ए0एम0-601व 605) गायनतथास्वरवाद्यविधाकेलिएसमानहैं।                    |   |         |                           |

### Master Of Performing Arts (Music)

MPAM-21

प्रदर्शन कला(संगीत) में स्नातकोत्तर – तबला विधा

Credits-60

| PROGRAMME STRUCTURE |                              |         |                           |
|---------------------|------------------------------|---------|---------------------------|
| Course Code         | Course Name                  | Credits | Total Marks(Th. /Assign.) |
| <b>SEMESTER I</b>   |                              |         |                           |
| MPAM-501            | संगीत एवं सौन्दर्यशास्त्र I  | 02      | 100 (70/30)               |
| MPAMT-502           | तालों का अध्ययन I            | 02      | 100 (70/30)               |
| MPAMT -503          | प्रयोगात्मक - 1              | 04      | 200                       |
| MPAMT -504          | प्रयोगात्मक - 2              | 07      | 350                       |
| <b>SEMESTER II</b>  |                              |         |                           |
| MPAM -505           | संगीत एवं सौन्दर्यशास्त्र II | 02      | 100 (70/30)               |
| MPAMT- 506          | तालों का अध्ययन II           | 02      | 100 (70/30)               |
| MPAMT -507          | प्रयोगात्मक - 3              | 04      | 200                       |
| MPAMT 508           | प्रयोगात्मक - 4              | 07      | 350                       |

| SEMESTER III   |                     |    |             |
|--|---------------------|----|-------------|
| MPAMT -601   | ताल शास्त्र I       | 02 | 100 (70/30) |
| MPAMT -602   | तालों का अध्ययन III | 02 | 100 (70/30) |
| MPAMT -603   | प्रयोगात्मक - 5     | 04 | 200         |
| MPAMT 604  | प्रयोगात्मक - 6     | 07 | 350         |
| SEMESTER IV  |                     |    |             |
| MPAMT -605   | ताल शास्त्र II      | 02 | 100 (70/30) |
| MPAMT -606   | तालों का अध्ययन IV  | 02 | 100 (70/30) |
| MPAMT -607   | प्रयोगात्मक - 7     | 04 | 200         |
| MPAMT -608   | प्रयोगात्मक - 8     | 07 | 350         |
| नोट- 1.एमपी0ए0 संगीतप्रथमव द्वितीय सेमेस्टरके प्रश्न पत्र (एमपी0ए0एम0-501व 505) गायन, स्वरवाद्यतथातबलातीनोंविधाओं के लिए समान हैं। |                     |    |             |

## Master of Arts (Urdu)

MAUL-23

### M.A. URDU

Credits-72

| Course Code  | Course Name                      | Credits | Total Marks (Th./Assign.) |
|--------------|----------------------------------|---------|---------------------------|
| SEMESTER I   |                                  |         |                           |
| MAUL – 501   | Ghazal – 1                       | 04      | 100 (70/30)               |
| MAUL – 502   | Nazam – 1                        | 04      | 100 (70/30)               |
| MAUL – 503   | Urdu Zaban o Adab Ki Tareekh - 1 | 04      | 100 (70/30)               |
| MAUL – 504   | Tahqeeq                          | 04      | 100 (70/30)               |
| SEMESTER II  |                                  |         |                           |
| MAUL – 505   | Ghazal – 2                       | 04      | 100 (70/30)               |
| MAUL – 506   | Nazam – 2                        | 04      | 100 (70/30)               |
| MAUL – 507   | Urdu Zaban o Adab Ki Tareekh - 2 | 04      | 100 (70/30)               |
| MAUL – 508   | Tanqeed                          | 04      | 100 (70/30)               |
| SEMESTER III |                                  |         |                           |
| MAUL – 601   | Dastan Aur Novel                 | 04      | 100 (70/30)               |
| MAUL – 602   | Qaseeda                          | 04      | 100 (70/30)               |
| MAUL – 603   | Masnavi                          | 04      | 100 (70/30)               |
| MAUL – 604   | Ghair Afsanvi Nasr – 1           | 04      | 100 (70/30)               |
| MAUL – 605   | Urdu Drama – 1                   | 04      | 100 (70/30)               |
| SEMESTER IV  |                                  |         |                           |
| MAUL – 606   | Afsana                           | 04      | 100 (70/30)               |
| MAUL – 607   | Marsia                           | 04      | 100 (70/30)               |
| MAUL – 608   | Rubai                            | 04      | 100 (70/30)               |
| MAUL – 609   | Ghair Afsanvi Nasr – 2           | 04      | 100 (70/30)               |
| MAUL – 610   | Urdu Drama – 2                   | 04      | 100 (70/30)               |

**प्रबंध अध्ययन एवं वाणिज्य विद्याशाखा**  
**School of Management Studies and Commerce**

**PROGRAMME SUMMARY & FEE STRUCTURE**

| Programme Name & Abbreviation           | Programme (Code) | Eligibility   | Minimum (YF) | Maximum (YF) | SLM                | Mode of Exam (Annual/Sem) | Year / Sem | No. of Courses | Programme Fees | Project/ Workshop | Exam (@Rs 300/- per course) | Practical Exam | Viva-Voce | Miscellaneous | Degree Fee | Total |
|---|------------------|---|--------------|--------------|--------------------|---------------------------|------------|----------------|----------------|-------------------|-----------------------------|----------------|-----------|---------------|------------|-------|
| Master of Commerce                      | MCOM-21          | Bachelor's Degree in Commerce (B. Com.)   | 2            | 4            | Hindi <sup>1</sup> | Sem.                      | I          | 3              | 4200           | -                 | 900                         | -              | -         | 150           |            | 5250  |
|   |                  |   |              |              |                    |                           | II         | 3              |                | -                 | 900                         | -              | -         |               | 900        |       |
|   |                  |   |              |              |                    |                           | III        | 3              | 4200           | -                 | 900                         | -              | -         |               | 5100       |       |
|   |                  |   |              |              |                    |                           | IV         | 3              |                | -                 | 900                         | -              | -         | 500           | 1400       |       |
| MASTER OF BUSINESS ADMINISTRATION - MBA | MBA-23           | 50% Marks at graduate or post-graduate level or 45% at Graduate or post graduate level along with 2 years' of supervisory/ managerial/ professional/ teaching experience after completing graduation or post-graduation (even if the degree has been obtained in ODL mode or as a private student). (5% relaxation for reserved category) Admission through entrance test conducted by the University / MAT / CAT score | 2            | 4            | English            | Sem.                      | I          | 6              | 10100          | -                 | 1800                        | -              | -         | 150           |            | 12050 |
|   |                  |   |              |              |                    |                           | II         | 5              | 10100          | -                 | 1500                        | -              | -         |               | 11600      |       |
|   |                  |   |              |              |                    |                           | III        | 6              | 10100          | -                 | 1800                        | -              | -         |               | 11900      |       |
|   |                  |   |              |              |                    |                           | IV         | 3              | 10100          | 1000              | 900                         | -              | 500       | 500           | 13000      |       |

**Note:** Fees for Entrance Test/Registration is Rs. 1000/-. The conduct of the entrance examination is subject to the number of registrations received. Counselling and Documents Verification fee shall be Rs. 500. The amount of counselling and Documents Verification fee of Rs 500 shall be paid at the time of seeking admission in the first semester and shall be paid separately in the form of Bank Challan. The fee for the first semester shall be paid in two Bank Challans, one for the Programme Fee and the Second for the Counselling and Documents Verification Fee.

विद्यार्थी प्रवेश के समय अपने कार्यक्रम का सम्पूर्ण शुल्क(Grand total) जमा करें। विद्यार्थी को अध्ययन सामग्री उसी माध्यम में दी जायेगी जो उसके कार्यक्रम के सामने SLM शीर्षक में निर्दिष्ट है।

**प्रबंध अध्ययन एवं वाणिज्य विद्याशाखा**  
**School of Management Studies and Commerce**  
**PROGRAMME SUMMARY**

**MASTER OF COMMERCE मास्टर ऑफ कॉमर्स**

**MCOM-21**  
**Credits-72**

| <b>PROGRAMME STRUCTURE</b> |   |                |                                   |
|----------------------------|---|----------------|-----------------------------------|
| <b>Course Code</b>         | <b>Course Name</b>  | <b>Credits</b> | <b>Total Marks (Th. /Assign.)</b> |
| <b>SEMESTER I</b>          |   |                |                                   |
| MCM-501                    | Business and Economic Environment (व्यावसायिक और आर्थिक पर्यावरण)                         | 06             | 100 (70/30)                       |
| MCM-502                    | Statistical Analysis and Research Methodology (सांख्यिकीय विश्लेषण और शोध प्रविधि)        | 06             | 100 (70/30)                       |
| MCM-503                    | Business and Economic Laws (व्यावसायिक और आर्थिक विधि)                                    | 06             | 100 (70/30)                       |
| <b>SEMESTER II</b>         |   |                |                                   |
| MCM-504                    | Advanced Business Economics (उच्चतर व्यावसायिक अर्थशास्त्र)                               | 06             | 100 (70/30)                       |
| MCM-505                    | Accounting Theory and Practices (लेखांकन सिद्धांत और कार्यप्रणाली)                        | 06             | 100 (70/30)                       |
| MCM-506                    | International Business and Finance Operations (अन्तर्राष्ट्रीय व्यापार व वित्तीय परिचालन) | 06             | 100 (70/30)                       |
| <b>SEMESTER III</b>        |   |                |                                   |
| MCM-601                    | Project Management (परियोजना प्रबन्ध)   | 06             | 100 (70/30)                       |
| MCM-602                    | Entrepreneurship Development (उद्यमिता विकास)   | 06             | 100 (70/30)                       |
| MCM-603                    | Business Policy and Strategic Management (व्यावसायिक नीति व रणनीतिक प्रबन्ध)              | 06             | 100 (70/30)                       |
| <b>SEMESTER IV</b>         |   |                |                                   |
| MCM-604                    | Advanced Financial Management (उच्चतर वित्तीय प्रबन्ध)                                    | 06             | 100 (70/30)                       |
| MCM-605                    | Security Analysis and Portfolio Management (प्रतिभूति विश्लेषण व संविभाग प्रबन्ध)         | 06             | 100 (70/30)                       |
| MCM-606                    | Financial Markets and Institutions (वित्तीय बाजार और संस्थाएं)                            | 06             | 100 (70/30)                       |

**MASTER OF BUSINESS ADMINISTRATION मास्टर ऑफ बिजनेस एडमिनिस्ट्रेशन**

**MBA-23**  
**Credit-132**

**MBA**

| <b>PROGRAMME STRUCTURE</b> |   |            |  |
|----------------------------|---|------------|--|
| <b>Course Code</b>         | <b>Course Name</b>                                    | <b>Cre</b> | <b>Total Marks dits (Th. /Assign.)</b> |
| <b>SEMESTER I</b>          |   |            |  |
| MS-101                     | Principles of Management and Organizational Behaviour | 06         | 100 (70/30)                            |
| MS -102                    | Accounting for Managers                               | 06         | 100 (70/30)                            |
| MS -103                    | Managerial Economics                                  | 06         | 100 (70/30)                            |
| MS -104                    | Quantitative Techniques in Management                 | 06         | 100 (70/30)                            |
| MS -105                    | Business Environment                                  | 06         | 100 (70/30)                            |
| MS- 106                    | IT and Management Information System                  | 06         | 100 (70/30)                            |
| <b>SEMESTER II</b>         |   |            |  |
| MS- 107                    | Marketing Management                                  | 06         | 100 (70/30)                            |
| MS- 108                    | Human Resource Management                             | 06         | 100 (70/30)                            |
| MS- 109                    | Financial Management                                  | 06         | 100 (70/30)                            |
| MS-110                     | Research Methodology                                  | 06         | 100 (70/30)                            |

|  |   |    |              |
|--|---|----|--------------|
| MS-111   | International Business                          | 06 | 100 (70/30)  |
| <b>YEAR II: (SELECT ANY ONE SPECIALISATION)</b>                                |   |    |              |
| <b>(Includes specialization papers and the Integrative papers)</b>             |   |    |              |
| <b>HUMAN RESOURCE MANAGEMENT</b>   |   |    |              |
| <b>SEMESTER III</b>  |   |    |              |
| MS-201   | Business Policy and Strategic Management        | 06 | 100 (70/30)  |
| MS-202   | Entrepreneurship Development                    | 06 | 100 (70/30)  |
| MS-203   | Business Ethics & Corporate Governance          | 06 | 100 (70/30)  |
| MS- 301  | Human Resource Planning                         | 06 | 100 (70/30)  |
| MS -302  | Human Resource Development                      | 06 | 100 (70/30)  |
| MS- 303  | Organizational Change and Development           | 06 | 100 (70/30)  |
| <b>SEMESTER IV</b>   |   |    |              |
| MS- 204  | Project and <i>Viva Voce</i>                    | 12 | 200 (120/80) |
| MS-306   | Industrial Relations                            | 06 | 100 (70/30)  |
| MS-307   | Compensation Management                         | 06 | 100 (70/30)  |
| MS-309   | Management of Training and Development          | 06 | 100 (70/30)  |
| <b>FINANCIAL MANAGEMENT</b>  |   |    |              |
| <b>SEMESTER III</b>  |   |    |              |
| MS-201   | <u>Business Policy and Strategic Management</u> | 06 | 100 (70/30)  |
| MS-202   | Entrepreneurship Development                    | 06 | 100 (70/30)  |
| MS-203   | Business Ethics & Corporate Governance          | 06 | 100 (70/30)  |
| MS-401   | Corporate Tax Planning                          | 06 | 100 (70/30)  |
| MS-402   | Indian Financial System                         | 06 | 100 (70/30)  |
| MS-403   | Project Finance                                 | 06 | 100 (70/30)  |
| <b>SEMESTER IV</b>   |   |    |              |
| MS-204   | Project and <i>Viva Voce</i>                    | 12 | 200(120/80)  |
| MS-404   | Security Analysis and Portfolio Management      | 06 | 100 (70/30)  |
| MS-405   | International Finance                           | 06 | 100 (70/30)  |
| MS 407   | Management of Financial Services                | 06 | 100 (70/30)  |
| <b>MARKETING MANAGEMENT</b>  |   |    |              |
| <b>SEMESTER III</b>  |   |    |              |
| MS-201   | <u>Business Policy and Strategic Management</u> | 06 | 100 (70/30)  |
| MS-202   | Entrepreneurship Development                    | 06 | 100 (70/30)  |
| MS-203   | Business Ethics & Corporate Governance          | 06 | 100 (70/30)  |
| MS- 501  | Marketing Research                              | 06 | 100 (70/30)  |
| MS- 502  | Advertising and Sales Promotion                 | 06 | 100 (70/30)  |
| MS -503  | Consumer Behaviour                              | 06 | 100 (70/30)  |
| <b>SEMESTER IV</b>   |   |    |              |
| MS- 204  | Project and <i>Viva Voce</i>                    | 12 | 200(120/80)  |
| <b>Select any three from the following courses;</b>                            |   |    |              |
| MS- 505  | Services Marketing                              | 06 | 100 (70/30)  |
| MS- 508  | Sales and Distribution Management               | 06 | 100 (70/30)  |
| MS- 510  | Brand Management                                | 06 | 100 (70/30)  |
| <b>Note: (As per Programme): Examination conducted on Descriptive Pattern.</b> |   |    |              |

**N.B.- Learners are instructed to refer to guidelines for admission to Management Programmes as given in Appendix- III included in the prospectus.**



## School of Computer Science & Information Technology

### PROGRAMME SUMMARY & FEE STRUCTURE

| Programme Name & Abbreviation                             | Programme (Code) | Eligibility  | Minimum (Yr) | Maximum (Yr) | SLM     | Mode of Exam (Annual/Sem) | Year / Sem | No. of Courses | Programme Fees | Project/ Workshop | Exam (@Rs 300/- per course) | Practical Exam | Viva-Voce | Miscellaneous | Degree Fee | Total |
|---|------------------|--|--------------|--------------|---------|---------------------------|------------|----------------|----------------|-------------------|-----------------------------|----------------|-----------|---------------|------------|-------|
| MASTER OF SCIENCE (INFORMATION TECHNOLOGY) –MSC(IT)       | MSC IT-21        | Passed BCA/BSc(IT/CS)/ (B.Sc. with Mathematics at 10+2 Level or at Graduation Level). Candidate not having mathematics at 10+2 or graduation will have to pass one qualifying mathematic course during the course of the programme (Sr. Secondary Mathematics paper in SWAYAM portal by Dr. Rajendra Kumar Nayak, NIOS). The equivalent courses shall be identified from time to time and the details shall be provided in the University website.   | 2            | 4            | English | Sem                       | I          | 4              | 11100          | -                 | 1200                        | 500            | -         | 150           |            | 12950 |
|   |                  |  |              |              |         |                           | II         | 3              | 11100          | -                 | 900                         | 500            | -         | -             |            | 12500 |
|   |                  |  |              |              |         |                           | III        | 4              | 11100          | -                 | 1200                        | 500            | -         | -             |            | 12800 |
|   |                  |  |              |              |         |                           | IV         | 4              | 11100          | 1000              | 1200                        | 500            | -         | -             | 500        | 14300 |
| MASTER OF COMPUTER APPLICATIONS – MCA-21                  | MCA-21           | Passed BCA/ Bachelor Degree in Computer Science Engineering or equivalent Degree like PGDCA diploma from UGC recognised University, A- Level from DOEACC with graduation, etc. <b>ORB.Sc./ B.Com./ B.A.</b> with Mathematics at 10+2 Level or at Graduation Level (obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying Examination), they have to complete 2 semester DCA program offered by Uttarakhand Open University as a bridge course. After the completion of the bridge course, the DCA diploma shall be awarded to these candidates and they will be admitted to first semester of two-year (four semester) MCA program. For candidates who do not have Mathematics at 10+2 Level or at Graduation level, they have to enrol and complete an additional Mathematic course available at SWAYAM portal (Sr. Secondary Mathematics paper in SWAYAM portal by Dr. Rajendra Kumar Nayak, NIOS). The equivalent courses shall be identified from time to time and the details shall be provided in the University website. | 2            | 4            | English | Sem                       | I          | 4              | 11100          | -                 | 1200                        | 500            | -         | 150           |            | 12950 |
|   |                  |  |              |              |         |                           | II         | 4              | 11100          | -                 | 1200                        | 500            | -         | -             |            | 12800 |
|   |                  |  |              |              |         |                           | III        | 4              | 11100          | -                 | 1200                        | 500            | -         | -             |            | 12800 |
|   |                  |  |              |              |         |                           | IV         | 3              | 11100          | 1000              | 900                         |                | -         | -             | 500        | 13500 |
| MASTER OF SCIENCE (CYBER SECURITY) – M.SC. CYBER SECURITY | MSC-CS-21        | Graduation (Science/IT). Lateral Entry(IIIrd Semester)): Post Graduate Diploma/Certificate in Cyber Security   | 2            | 4            | English | Sem                       | I          | 5              | 11100          | -                 | 1500                        | -              | -         | 150           | -          | 12750 |
|   |                  |  |              |              |         |                           | II         | 4              | 11100          | 1000              | 1200                        | -              | -         | -             | -          | 13300 |
|   |                  |  |              |              |         |                           | III        | 4              | 11100          | -                 | 1200                        | 500            | -         | -             | -          | 12800 |
|   |                  |  |              |              |         |                           | IV         | 4              | 11100          | 1000              | 1200                        | -              | -         | -             | 500        | 13800 |

**PROGRAMME SUMMARY**

कंप्यूटर विज्ञान एवं सूचना प्रौद्योगिकी विद्याशाखा

School of Computer Science &amp; Information Technology

**MASTER OF SCIENCE (INFORMATION TECHNOLOGY) –****MSCIT-21****मास्टर ऑफ साइंस (इनफार्मेशन टेक्नोलॉजी)****Credits-72**

| PROGRAMME STRUCTURE |  |         |                               |
|---------------------|--|---------|-------------------------------|
| Course Code         | Course Name                                  | Credits | Total Marks<br>(Th. /Assign.) |
| SEMESTER I          |  |         |                               |
| MCS-401             | Introduction to Programming using C          | 04      | 100(70/30)                    |
| MCS-402             | Introduction to Computing                    | 04      | 100(70/30)                    |
| MCS -403            | Technical English and Business Communication | 04      | 100(70/30)                    |
| MCS-404             | Digital Electronics                          | 04      | 100(70/30)                    |
| MCS- BCP1           | Practical                                    | 02      | 50                            |
| SEMESTER II         |  |         |                               |
| FCS                 | Fundamentals of Cyber Security               | 04      | 100                           |
| MCS-405             | Data Structures & Program Methodology        | 04      | 100(70/30)                    |
| MCS-406             | Information System for Business              | 04      | 100(70/30)                    |
| MCS-BCP2            | Practical                                    | 02      | 50                            |
| SEMESTER III        |  |         |                               |
| MCS-501             | Discreet Mathematics                         | 04      | 100(70/30)                    |
| MCS-502             | Object-Oriented Programming through C++      | 04      | 100(70/30)                    |
| MCS-503             | Software Engineering                         | 04      | 100(70/30)                    |
| MCS-504             | Operating System                             | 04      | 100(70/30)                    |
| MCS-P1              | Practical                                    | 02      | 50                            |
| SEMESTER IV         |  |         |                               |
| MCS -505            | Database Management System                   | 04      | 100(70/30)                    |
| MCS-506             | Introduction to Computer Networks            | 04      | 100(70/30)                    |
| MCS -507            | Design and Analysis of Algorithms            | 04      | 100(70/30)                    |
| MCS-508             | Programming in Java                          | 04      | 100(70/30)                    |
| MCS-Project         | Project                                      | 04      | 100                           |
| MCS-P2              | Practical                                    | 02      | 50                            |

**MASTER OF COMPUTER APPLICATIONS****MCA-21****मास्टर ऑफ एप्लीकेशन्स****CREDITS-80**

| SEMESTER I   |  |    |             |
|--------------|--|----|-------------|
| MCS-501      | Discrete Mathematics   | 04 | 100 (70/30) |
| MCS-502      | Object-Oriented Programming through C++  | 04 | 100 (70/30) |
| MCS-503      | Software Engineering   | 04 | 100 (70/30) |
| MCS-504      | Operating System   | 04 | 100 (70/30) |
| MCS-P1       | Practical  | 04 | 100         |
| SEMESTER II  |  |    |             |
| MCS-505      | Database Management System   | 04 | 100 (70/30) |
| MCS-506      | Introduction to Computer Networks  | 04 | 100 (70/30) |
| MCS-507      | Design and Analysis of Algorithm   | 04 | 100 (70/30) |
| MCS-508      | Programming in Java  | 04 | 100 (70/30) |
| MCS-P2       | Practical  | 04 | 100         |
| SEMESTER III |  |    |             |
| MCS-601      | Information Security Assurance: Framework, Standards & Industry Best Practices | 04 | 100 (70/30) |
| MCS-602      | Computer System Architecture   | 04 | 100 (70/30) |
|              | Elective I   | 04 | 100 (70/30) |
|              | Elective II  | 04 | 100 (70/30) |

|             |  |    |             |
|-------------|--|----|-------------|
| MCS-P3      | Practical                                  | 04 | 100 (70/30) |
| SEMESTER IV |  |    |             |
| MCS-604     | Introduction to Mobile Architecture        | 04 | 100 (70/30) |
|             | Elective III                               | 04 | 100 (70/30) |
|             | Elective IV                                | 04 | 100 (70/30) |
| MCS-603     | Project (200 marks) + Viva-Voce(100 marks) | 08 | 300         |

#### Elective I

1. Web Technology(MCS-E1)
2. Introduction to Soft Computing(MCS-E2)(Offered through SWAYAM only)
3. Fuzzy Logic and Neural Networks(MCS-E3)(Offered through SWAYAM only)
4. Basics of Remote Sensing and GIS(MCS-E4)

#### Elective II

1. Fundamentals of Information Security(MIT(CS)-101)
2. Cyber Security Techniques(MIT(CS)-102)
3. Information System(MIT(CS)-104)
4. Digital Forensics(MIT(CS)-202)

#### Elective III

1. Formal Languages and Automata(MCS-E5)
2. Python Programming(MCS-E6)(Offered through SWAYAM only)
3. Artificial Intelligence(MCS-E7)(Offered through SWAYAM only)
4. Data Science for Engineers(MCS-E8)(Offered through SWAYAM only)

#### Elective IV

1. Information System for Business(MCA-E8)
2. Project Management(MCA-E9)
3. Wireless Networks(MCA-E10)
4. Introduction to Internet of Things(MCA-E11)(Offered through SWAYAM only)
5. Cloud Computing(MCA-E12) (Offered through SWAYAM only)

**Note:** Processing fee of Rs.250/course shall be applicable to facilitate credit transfer along with the application form and transcripts.

## MASTER OF SCIENCE (CYBER SECURITY) - मास्टर ऑफ़ साइंस (साइबर सिक््यूरिटी) MSCCS-21

### M.Sc. (CYBER SECURITY)

Credits-80

| PROGRAMME STRUCTURE |   |         |                               |
|---------------------|---|---------|-------------------------------|
| Course Code         | Course Name   | Credits | Total Marks<br>(Th. /Assign.) |
| SEMESTER I          |   |         |                               |
| MIT(CS)-101         | Fundamental of Information Security   | 04      | 100 (70/30)                   |
| MIT(CS)-102         | Cyber Security Techniques   | 04      | 100 (70/30)                   |
| MIT(CS)-103         | Cyber Attacks and Counter Measures:User Perspective                               | 04      | 100 (70/30)                   |
| MIT(CS)-104         | Information System  | 04      | 100 (70/30)                   |
| FCS                 | Introduction to Cyber Security  | 04      | 100                           |
| SEMESTER II         |   |         |                               |
| MIT(CS)-201         | Information Security Assurance : Framework, standards and Industry best practices | 04      | 100 (70/30)                   |
| MIT(CS)-202         | Digital Forensic  | 04      | 100 (70/30)                   |
| MIT(CS)-203         | Advanced cyber security techniques  | 04      | 100 (70/30)                   |
| MIT(CS)-204         | Cryptography& Network Security  | 04      | 100 (70/30)                   |

|                 |  |    |             |
|-----------------|--|----|-------------|
| MIT(CS)-P2      | Project + Viva                         | 04 | 100         |
| SEMESTER III    |  |    |             |
| MIT(CS)-301     | Introduction to Computing              | 04 | 100 (70/30) |
| MIT(CS)-302     | Introduction Digital Systems           | 04 | 100 (70/30) |
| MIT(CS)-303     | Object Oriented Programming Using C++  | 04 | 100 (70/30) |
| MIT(CS)-304     | Introduction to Operating System       | 04 | 100 (70/30) |
| MIT(CS)-P3      | Practical (C++)                        | 04 | 100         |
| SEMESTER IV     |  |    |             |
| MIT(CS)-401     | Data Structure                         | 04 | 100 (70/30) |
| MIT(CS)-402     | Introduction to DBMS                   | 04 | 100 (70/30) |
| MIT(CS)-403     | Introduction to Networking             | 04 | 100 (70/30) |
| MIT(CS)-404     | Computer Organization and Architecture | 04 | 100 (70/30) |
| MIT(CS)-Project | Practical (DS & DBMS)+ Viva            | 04 | 150         |

**स्वास्थ्य विज्ञान विद्याशाखा**  
**School of Health Science**  
**PROGRAMME SUMMARY & FEE STRUCTURE**

| Programme Name & Abbreviation | Programme (Code) | Eligibility                            | Minimum Duration (Yr) | Maximum Duration (Yr) | SLM   | Mode of Exam (Annual/Sem) | Year / Sem | No. of Courses | Programme Fees | Project/ Workshop | Exam (@ Rs 300/- per course) | Practical Exam | Viva-Voce | Miscellaneous | Degree Fee | Total |
|-------------------------------|------------------|--|-----------------------|-----------------------|-------|---------------------------|------------|----------------|----------------|-------------------|------------------------------|----------------|-----------|---------------|------------|-------|
| MASTER OF ARTS (Home Science) | MAHS-21          | B.A. Home Science or B.Sc. Home Scienc | 2                     | 4                     | Hindi | Sem                       | I          | 4              | 4100           | -                 | 1200                         | 500            |           | 150           |            | 5950  |
|                               |                  |  |                       |                       |       |                           | II         | 4              | 4100           | -                 | 1200                         | 500            |           |               | 5800       |       |
|                               |                  |  |                       |                       |       |                           | III        | 4              | 4100           |                   | 1200                         | 500            |           |               | 5800       |       |
|                               |                  |  |                       |                       |       |                           | IV         | 1              | 4100           | 1500              | 300                          | 500            |           | 500           | 6900       |       |

विद्यार्थी प्रवेश के समय अपने कार्यक्रम का सम्पूर्ण शुल्क(Grand total)जमा करें। विद्यार्थी को अध्ययन सामग्री उसी माध्यम में दी जायेगी जो उसके कार्यक्रम के सामने SLM शीर्षक में निर्दिष्ट है।

**MASTER OF ARTS (HOME SCIENCE) मास्टर ऑफ आर्ट्स (होमसाइंस)**  
**MA (Home Science)**

**MAHS-21**  
**Credits-68**

| <b>Semester I</b>   |   |                |                                     |
|---------------------|---|----------------|-------------------------------------|
| <b>Course Code</b>  | <b>Course Name</b>  | <b>Credits</b> | <b>Total Marks<br/>(Th./Assign)</b> |
| MAHS-01             | Food Science and Nutrition                                  | 04             | 100 (70/30)                         |
| MAHS-02             | Child Psychology and Theories of Human Development          | 04             | 100 (70/30)                         |
| MAHS-03             | Textile Science   | 04             | 100 (70/30)                         |
| MAHS-04             | Practical Based on MAHS-03                                  | 02             | 100                                 |
| MAHS-05             | Extension and Communication for Community Development       | 04             | 100 (70/30)                         |
| <b>Semester II</b>  |   |                |                                     |
| <b>Course Code</b>  | <b>Course Name</b>  | <b>Credits</b> | <b>Total Marks<br/>(Th./Assign)</b> |
| MAHS-06             | Clinical and Therapeutic Nutrition                          | 04             | 100 (70/30)                         |
| MAHS-07             | Practical Based on MAHS-06                                  | 02             | 100                                 |
| MAHS-08             | Food Service Management                                     | 04             | 100 (70/30)                         |
| MAHS-09             | Research Methodology and Statistics                         | 04             | 100 (70/30)                         |
| MAHS-10             | Family Resource Management and Entrepreneurship Development | 04             | 100 (70/30)                         |
| <b>Semester III</b> |   |                |                                     |
| <b>Course Code</b>  | <b>Course Name</b>  | <b>Credits</b> | <b>Total Marks<br/>(Th./Assign)</b> |
| MAHS-11             | Public Health and Community Nutrition                       | 04             | 100 (70/30)                         |
| MAHS-12             | Life Span Development                                       | 04             | 100 (70/30)                         |
| MAHS-13             | Apparel Designing   | 02             | 100 (70/30)                         |
| MAHS-14             | Practical Based on MAHS-13                                  | 04             | 100                                 |
| MAHS-15             | Extension Programme Management and Sustainable Development  | 04             | 100 (70/30)                         |
| <b>Semester IV</b>  |   |                |                                     |
| <b>Course Code</b>  | <b>Course Name</b>  | <b>Credits</b> | <b>Total Marks<br/>(Th./Assign)</b> |
| MAHS-16             | Housing and Interior Decoration                             | 04             | 100 (70/30)                         |
| MAHS-17             | Practical Based on MAHS-16                                  | 02             | 100                                 |
| MAHS-18             | Project Work/ Internship& viva voce                         | 08             | 200                                 |

**शिक्षाशास्त्र विद्याशाखा**  
**School of Education**

**PROGRAMME SUMMARY & FEE STRUCTURE**

| Programme Name & Abbreviation         | Programme (Code) | Eligibility              | Minimum (Yr) | Maximum (Yr) | SLM   | Mode of Exam (Annual/Sem) | Year / Sem | No. of Courses | Programme Fees | Project/ Workshop | Exam (@Rs 300/- per | Practical Exam | Viva-Voce | Miscellaneous | Degree Fee | Total |
|---------------------------------------|------------------|--------------------------|--------------|--------------|-------|---------------------------|------------|----------------|----------------|-------------------|---------------------|----------------|-----------|---------------|------------|-------|
| Master of Arts in Education (MAED-21) | (MAED-21)        | Graduation in any stream | 2            | 4            | Hindi | Semester                  | I          | 4              | 4200           | -                 | 1200                | -              | -         | 150           | -          | 5550  |
|                                       |                  |                          |              |              |       |                           | II         | 4              | -              | -                 | 1200                | -              | -         | -             | -          | 1200  |
|                                       |                  |                          |              |              |       |                           | III        | 5              | 4200           | -                 | 1500                | -              | -         | -             | -          | 5700  |
|                                       |                  |                          |              |              |       |                           | IV         | 5              | -              | -                 | 1500                | -              | -         | -             | 500        | 2000  |

विद्यार्थी प्रवेश के समय अपने कार्यक्रम का सम्पूर्ण शुल्क(Grand total)जमा करें। विद्यार्थी को अध्ययन सामग्री उसी माध्यम में दी जायेगी जो उसके कार्यक्रम के सामने SLM शीर्षक में निर्दिष्ट है।

The student of MAED-20 opting for the online course material( The SLM shall have to be downloaded from the University Website portal elearning.uou.ac.in and hard copy of the course material shall not be provided by the University) shall be given 15% discount on the programme fee for the selected year.

एमएईडी-20कार्यक्रम के अंतर्गत यदि कोई छात्र ऑनलाइन पाठ्य सामग्री चाहता है (पाठ्यसामग्री विश्वविद्यालय की वेबसाइट के पोर्टल elearning.uou.ac.inसे डाउनलोड करनी होगी, विश्वविद्यालय द्वारा पुस्तकें उपलब्ध नहीं करायी जायेंगी) तो ऐसे छात्र को उसके कार्यक्रम के चुने हुए वर्ष के कार्यक्रम शुल्क में 15% की छूट प्रदान की जायेगी।

| PROGRAMME STRUCTURE  |   |         |             |
|--|---|---------|-------------|
| Course Code  | Course Name   | Credits | Total Marks |
| (Th/Assign)  |   |         |             |
| <b>Semester I</b>  |   |         |             |
| MAED-501   | Philosophical & Sociological Bases of Education (शिक्षा के दार्शनिक एवं समाजशास्त्रीय आधार) | 4       | 100 (70/30) |
| MAED-502   | Psychological Bases of Education (शिक्षा के मनोवैज्ञानिक आधार)                              | 4       | 100 (70/30) |
| MAED-503   | Research Methods & Statistics in Education (शिक्षा में अनुसंधान पद्धतियां एवं सांख्यिकी)    | 4       | 100 (70/30) |
| MAED-504   | Educational Technology (शैक्षिक तकनीकी)   | 4       | 100 (70/30) |
| <b>Semester II</b>   |   |         |             |
| MAED-505   | Philosophical & Sociological Bases of Education (शिक्षा के दार्शनिक एवं समाजशास्त्रीय आधार) | 4       | 100 (70/30) |
| MAED-506   | Psychological Bases of Education (शिक्षा के मनोवैज्ञानिक आधार)                              | 4       | 100 (70/30) |
| MAED-507   | Research Methods & Statistics in Education (शिक्षा में अनुसंधान पद्धतियां एवं सांख्यिकी)    | 4       | 100 (70/30) |
| MAED-508   | Educational Technology (शैक्षिक तकनीकी)   | 4       | 100 (70/30) |
| <b>Semester III</b>  |   |         |             |
| <b>COMPULSORY PAPERS (अनिवार्य प्रश्न-पत्र)</b>  |   |         |             |
| MAED-601   | Guidance and Counselling (निर्देशन एवं परामर्श)   | 4       | 100 (70/30) |
| MAED-602   | Educational Management and Administration (शैक्षिक प्रबंधन एवं प्रशासन)                     | 4       | 100 (70/30) |
| MAED-603   | Teacher Education (अध्यापक शिक्षा)  | 4       | 100 (70/30) |
| MAED-604   | Distance Education (दूरस्थ शिक्षा)  | 4       | 100 (70/30) |
| <b>OPTIONAL PAPER (SELECT ANY ONE) (वैकल्पिक प्रश्न-पत्र किसी एक प्रश्न-पत्रका चयन करें)</b> |   |         |             |
| MAED-605   | Curriculum Development (पाठ्यक्रम विकास)  | 4       | 100 (70/30) |
| MAED-606   | Inclusive Education (समावेशित शिक्षा)   | 4       | 100 (70/30) |
| MAED-607   | Measurement and Evaluation (मापन एवं मूल्यांकन)   | 4       | 100 (70/30) |
| <b>Semester IV</b>   |   |         |             |
| <b>COMPULSORY PAPERS (अनिवार्य प्रश्न-पत्र)</b>  |   |         |             |
| MAED-608   | Guidance and Counselling (निर्देशन एवं परामर्श)   | 4       | 100 (70/30) |
| MAED-609   | Educational Management and Administration (शैक्षिक प्रबंधन एवं प्रशासन)                     | 4       | 100 (70/30) |
| MAED-610   | Teacher Education (अध्यापक शिक्षा)  | 4       | 100 (70/30) |
| MAED-611   | Distance Education (दूरस्थ शिक्षा)  | 4       | 100 (70/30) |
| <b>OPTIONAL PAPER (SELECT ANY ONE) (वैकल्पिक प्रश्न-पत्र किसी एक प्रश्न-पत्रका चयन करें)</b> |   |         |             |
| MAED-612   | Curriculum Development (पाठ्यक्रम विकास)  | 4       | 100 (70/30) |
| MAED-613   | Inclusive Education (समावेशित शिक्षा)   | 4       | 100 (70/30) |
| MAED-614   | Measurement and Evaluation (मापन एवं मूल्यांकन)   | 4       | 100 (70/30) |



**पत्रकारिता एवं मीडिया अध्ययन विद्याशाखा**  
**School of Journalism and Media Studies**

**PROGRAMME SUMMARY & FEE STRUCTURE**

| Programme Name & Abbreviation                      | Programme (Code) | Eligibility  | Minimum (Yr) | Maximum (Yr) | SLM   | Mode of Exam (Annual/Sem) | Year / Sem | No. of Courses | Programme Fees | Project/ Dissertation/ Workshop | Exam (@Rs 300/- per | Practical Exam | Viva-Voce | Miscellaneous | Degree Fee | Total |      |
|--|------------------|--|--------------|--------------|-------|---------------------------|------------|----------------|----------------|---------------------------------|---------------------|----------------|-----------|---------------|------------|-------|------|
| MASTER OF ARTS (JOURNALISM AND MASS COMMUNICATION) | MAJMC-21         | Graduation in any stream. Those who have one year PGDJMC or any other relevant PG Diploma from recognized institution may apply for third semester under lateral entry scheme. | 2            | 4            | Hindi | Semester                  | I          | 4              | 6200           | -                               | 1200                | -              | -         | 150           | -          | 7550  |      |
|  |                  |  |              |              |       |                           | II         | 4              |                | -                               | 1200                | -              | -         | -             | -          | 1200  |      |
|  |                  |  |              |              |       |                           | III        | 4              | 6200           | -                               | 1200                | -              | -         | -             | -          | -     | 7400 |
|  |                  |  |              |              |       |                           | IV         |                | -              | 1000                            | 0                   | -              | 500       | -             | 500        | 2000  |      |

Note: Study material is available in Hindi only. However, the learners may write their exmaniations in Hindi or English

विद्यार्थी प्रवेश के समय अपने कार्यक्रम का सम्पूर्ण शुल्क(Grand total)जमा करें। विद्यार्थी को अध्ययन सामग्री उसी माध्यम में दी जायेगी जो उसके कार्यक्रम के सामने SLM शीर्षक में निर्दिष्ट है।

PROGRAMME SUMMARY

पत्रकारिता एवं मीडिया अध्ययन विद्याशाखा

School of Journalism and Media Studies

MASTER OF ARTS (JOURNALISM AND MASS COMMUNICATION)

MAJMC-21

मास्टर ऑफ आर्ट्स (जर्नलिज्म एण्ड मास कम्यूनिकेशन)

Credits-64

MA(JOURNALISM AND MASS COMMUNICATION)

| PROGRAMME STRUCTURE |   |           |                            |
|---------------------|---|-----------|----------------------------|
| Course Code         | Course Name   | Cre-dits  | Total Marks (Th. /Assign.) |
| <b>SEMESTER I</b>   |   |           |                            |
| MMC-101             | Mass Communication: Concept, Processes and Theories | 04        | 100 (70/30)                |
| MMC-102             | History of Journalism & Contemporary Perspective    | 04        | 100 (70/30)                |
| MMC-103             | Media Laws and Ethics                               | 04        | 100 (70/30)                |
| MMC-104             | News : Definition, Concept and Reporting            | 04        | 100 (70/30)                |
| <b>SEMESTER II</b>  |   |           |                            |
| MMC-201             | Editing, Printing & Production                      | 04        | 100 (70/30)                |
| MMC-202             | Advertising and Public Relations                    | 04        | 100 (70/30)                |
| MMC-203             | Electronic and Cyber Media                          | 04        | 100 (70/30)                |
| MAJMC-204           | Various Forms of Journalism                         | 04        | 100 (70/30)                |
| <b>SEMESTER III</b> |   |           |                            |
| MMC-301             | Communication Research                              | 04        | 100 (70/30)                |
| MMC-302             | Media & Society                                     | 04        | 100 (70/30)                |
| MMC-303             | Development Journalism                              | 04        | 100 (70/30)                |
| MMC-304             | Media Management                                    | 08        | 100 (70/30)                |
| <b>SEMESTER IV</b>  |   |           |                            |
| MMC-401             | <b>Dissertation/Viva-Voce</b>                       | 16/(12/4) | 400 (280/120)              |

Students of MAJMC-19 final semester are required to do a compulsory four- day workshop on research methodology. They will also be required to write a 16 (12+4) credits dissertation on communication and media related issue. Out of 16 credits, 12 are assigned to dissertation and 4 credits to viva voce.

**भौमिकी एवं पर्यावरण विज्ञान विद्याशाखा**  
**School of Earth and Environmental Science**

| Programme Name & Abbreviation             | Programme (Code) | Eligibility   | Minimum (Yr) | Maximum (Yr) | SLM     | Mode of Exam | Year / Sem | No. of Courses | Programme Fees | Laboratory/ Workshop | Project/ Dissertation | Exam (@Rs 300/ per | Practical Exam | VivaVoce | Miscellaneous | Degree Fee | Total |
|---|------------------|---|--------------|--------------|---------|--------------|------------|----------------|----------------|----------------------|-----------------------|--------------------|----------------|----------|---------------|------------|-------|
| Master of Science (Environmental Science) | MSCES-23         | Graduation in any science / Applied Science discipline (B.Sc./ B. Tech / B.Sc.(Ag.) / B.Sc. (Forestry)/ B.E./ B.Pharm/B.Sc. (Biotech.)/ B.Sc. (Fisheries) or any other science discipline | 2            | 4            | English | Semester     | I          | 4              | 5100           | 3000                 |                       | 1200               | 500            | 500      | 150           |            | 10450 |
|   |                  |   |              |              |         |              | II         | 4              | 5100           | 3000                 |                       | 1200               | 500            | 500      |               |            | 10300 |
|   |                  |   |              |              |         |              | III        | 3              | 5100           | 3000                 |                       | 900                | 500            | 500      |               |            | 10000 |
|   |                  |   |              |              |         |              | IV         | 2              | 5100           | 3000                 | 1200                  | 600                |                |          |               | 500        | 10400 |
| Master of Arts (Environmental Studies)    | MAES-23          | Graduation any discipline   | 2            | 4            | English | Semester     | I          | 4              | 6200           |                      |                       | 1200               |                |          | 150           |            | 7550  |
|   |                  |   |              |              |         |              | II         | 4              | -              |                      |                       | 1200               |                |          |               |            | 1200  |
|   |                  |   |              |              |         |              | III        | 4              | 6200           |                      |                       | 1200               |                |          |               |            | 7400  |
|   |                  |   |              |              |         |              | IV         | 2              | -              | 1500                 | 1200                  | 600                |                |          |               | 500        | 3800  |
| Master of Arts GEOGRAPHY                  | MAGE-23          | Graduation any discipline   | 2            | 4            | English | Semester     | I          | 4              | 4600           | 3000                 |                       | 1200               | 500            | 500      | 150           |            | 9950  |
|   |                  |   |              |              |         |              | II         | 4              | 4600           | 3000                 |                       | 1200               | 500            | 500      |               |            | 9800  |
|   |                  |   |              |              |         |              | III        | 4              | 4600           | 3000                 |                       | 1200               | 500            | 500      |               |            | 9800  |
|   |                  |   |              |              |         |              | IV         | 1              | 4600           |                      | 1200                  | 300                |                |          |               | 500        | 6600  |
| <b>Master of Science Geoinformatics**</b> |                  |   |              |              |         |              |            |                |                |                      |                       |                    |                |          |               |            |       |

**\*\*NOTE: Admission in Master of Science Geoinformatics Programme will takes place after the approval of UGC (DEB) for the Academic Session 2024-25.**

# Master of Science (Environment Science)

MSCES-23

Credit-72

|                                  | TITLE OF THE COURSE  | CREDITS | Total Marks<br>(Th. / Assign.) |
|----------------------------------|--|---------|--------------------------------|
| <b>SEMESTER I</b>                |  |         |                                |
| <b>CORE COURSES (Compulsory)</b> |  |         |                                |
| ENS 501                          | Environment and Ecology                                    | 4       | 100 (70/30)                    |
| ENS 502                          | Land, Water and Bio-Resources                              | 4       | 100 (70/30)                    |
| ENS 503                          | Energy Resources   | 4       | 100 (70/30)                    |
| ENS 504                          | Environmental Physics and Chemistry                        | 4       | 100 (70/30)                    |
| ENS 521 (L)                      | Laboratory-cum-Field Studies I                             | 4       | 100                            |
| <b>SEMESTER II</b>               |  |         |                                |
| ENS 506                          | Environmental Pollution and Health                         | 4       | 100 (70/30)                    |
| ENS 507                          | Environmental Planning, Policies and Acts                  | 4       | 100 (70/30)                    |
| ENS 508                          | Environmental Economics and Sustainable Development        | 4       | 100 (70/30)                    |
| ENS 509                          | Environmental Impact Assessment and Environmental Auditing | 4       | 100 (70/30)                    |
| ENS 522 (L)                      | Laboratory-cum-Field Studies II                            | 4       | 100                            |
| <b>SEMESTER III</b>              |  |         |                                |
| ENS 601                          | Atmosphere and Climate Change                              | 4       | 100 (70/30)                    |
| ENS 602                          | Research Methodology for Environmental Studies             | 4       | 100 (70/30)                    |
| ENSE 653                         | Environmental Microbiology and Biotechnology               | 4       | 100 (70/30)                    |
| ENS 621 (L)                      | Laboratory-cum-Field Studies III                           | 4       | 100                            |
| <b>SEMESTER IV</b>               |  |         |                                |
| ENS 622                          | Project Activity and Viva Voce                             | 8       | 100                            |
|                                  | <b>Elective Course-I</b>                                   | 4       | 100 (70/30)                    |
|                                  | <b>Elective Course-II</b>                                  | 4       | 100 (70/30)                    |
| <b>LIST OF ELECTIVE COURSES</b>  |  |         |                                |
| ENSE 654                         | Ecophysiology and Ecotoxicology                            | 4       | 100 (70/30)                    |
| ENSE 655                         | Clean Technologies   | 4       | 100 (70/30)                    |
| ENSE 656                         | RS, GIS and GPS: Basics and Applications                   | 4       | 100 (70/30)                    |

| <b>COURSE CODE</b>  | <b>TITLE OF THE COURSE</b>                                 | <b>CREDITS</b> | <b>Total Marks<br/>(Th. / Assign.)</b> |
|---------------------|--|----------------|--|
| <b>SEMESTER I</b>   |  |                |  |
| ENS 501             | Environment and Ecology                                    | 4              | 100 (70/30)                            |
| ENS 502             | Land, Water and Bio-Resources                              | 4              | 100 (70/30)                            |
| ENS 503             | Energy Resources   | 4              | 100 (70/30)                            |
| ENS 505             | Environmental Ethics and Philosophy                        | 4              | 100 (70/30)                            |
| <b>SEMESTER II</b>  |  |                |  |
| ENS 506             | Environmental Pollution and Health                         | 4              | 100 (70/30)                            |
| ENS 507             | Environmental Planning, Policies and Acts                  | 4              | 100 (70/30)                            |
| ENS 508             | Environmental Economics and Sustainable Development        | 4              | 100 (70/30)                            |
| ENS 509             | Environmental Impact Assessment and Environmental Auditing | 4              | 100 (70/30)                            |
| <b>SEMESTER III</b> |  |                |  |
| ENS 601             | Atmosphere and Climate Change                              | 4              | 100 (70/30)                            |
| ENS 602             | Research Methodology for Environmental Studies             | 4              | 100 (70/30)                            |
| ENSE 655            | Clean Technologies   | 4              | 100 (70/30)                            |
| ENSE 656            | RS, GIS and GPS: Basics and Applications                   | 4              | 100 (70/30)                            |
| <b>SEMESTER IV</b>  |  |                |  |
| ENSE 658            | Occupational Health Hazards                                | 4              | 100 (70/30)                            |
| ENSE 659            | Hazardous Wastes and their Management                      | 4              | 100 (70/30)                            |
| ENS 622             | Project Activity and Viva Voce                             | 8              | 100                                    |

| M.A. Geography  |  |  |         | MA Geography                  |
|---|--|--|---------|-------------------------------|
|   |  |  |         | Credits-72                    |
| PROGRAMME STRUCTURE   |  |  |         |                               |
| Course Code   | Course Name                                      |  | Credits | Total Marks<br>(Th. /Assign.) |
| <b>SEMESTER I</b>   |  |  |         |                               |
| GEOG-501  | Fundamentals of Geomorphology                    |  | 04      | 100 (70/30)                   |
| GEOG-502  | Fundamentals of Natural Resources Management     |  | 04      | 100 (70/30)                   |
| GEOG-503  | Geography of India                               |  | 04      | 100 (70/30)                   |
| GEOG-504  | Principles of Photogrammetry and Remote Sensing  |  | 04      | 100 (70/30)                   |
| GEOG-505  | Fundamentals of Cartography (Practical)          |  | 04      | 100                           |
| <b>SEMESTER II</b>  |  |  |         |                               |
| GEOG-506  | Evolution of Geographical Thought                |  | 04      | 100 (70/30)                   |
| GEOG-507  | Disaster Risk Reduction (DRR)                    |  | 04      | 100 (70/30)                   |
| GEOG-508  | Integrated Watershed Management                  |  | 04      | 100 (70/30)                   |
| GEOG-509  | World Regional Geography                         |  | 04      | 100 (70/30)                   |
| GEOG-510  | Quantitative Techniques in Geography (Practical) |  | 04      | 100                           |
| <b>SEMESTER III</b>   |  |  |         |                               |
| GEOG-601  | Human Geography                                  |  | 04      | 100 (70/30)                   |
| GEOG-602  | Bio-Geography                                    |  | 04      | 100 (70/30)                   |
| GEOG-603  | Introduction to Climatology                      |  | 04      | 100 (70/30)                   |
| GEOG-604  | Geography of Uttarakhand                         |  | 04      | 100 (70/30)                   |
| GEOG-605  | Practical Geography                              |  | 04      | 100                           |
| <b>SEMESTER IV</b>  |  |  |         |                               |
| GEOG-606  | Research Methodology                             |  | 04      | 100 (70/30)                   |
| GEOG-607  | Dissertation                                     |  | 08      | 200                           |
| <b>Notes: Dissertation marks; 100 for Evaluation, 50 for Presentation, 50 for Viva Voce</b> |  |  |         |                               |

**विज्ञान विद्याशाखा**  
**School of Science**

| Programme Name & Abbreviation   | Programme (Code) | Eligibility  | Minimum (Yr) | Maximum (Yr) | SLM     | Mode of Exam (Annual/Semester) | Year / Semester | No. of Courses | Programme Fees | Laboratory/ Workshop | Project/ Dissertation | Exam (@Rs 300/- per course) | Practical Exam | Viva-Voce | Miscellaneous | Degree Fee | Total |
|---------------------------------|------------------|--|--------------|--------------|---------|--------------------------------|-----------------|----------------|----------------|----------------------|-----------------------|-----------------------------|----------------|-----------|---------------|------------|-------|
| Master of Science (Botany)      | MSCBOT-21        | B.Sc. with Botany as Major in 3/4 Year Graduation      | 2            | 4            | English | Semester                       | I               | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | 150           | -          | 9950  |
|                                 |                  |  |              |              |         |                                | II              | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | -             | -          | 9800  |
|                                 |                  |  |              |              |         |                                | III             | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | -             | -          | 9800  |
|                                 |                  |  |              |              |         |                                | IV              | 2              | 4600           | 3000                 | 1200                  | 600                         | 500            | 500       | -             | 500        | 10900 |
| Master of Science (Mathematics) | MSCMT-23         | B.Sc. with Mathematics as Major in 3/4 Year Graduation | 2            | 4            | English | Semester                       | I               | 4              | 4600           | -                    | -                     | 1200                        | -              | -         | 150           | -          | 5950  |
|                                 |                  |  |              |              |         |                                | II              | 5              | 4600           | -                    | -                     | 1500                        | -              | -         | -             | -          | 6100  |
|                                 |                  |  |              |              |         |                                | III             | 4              | 4600           | -                    | -                     | 1200                        | -              | -         | -             | -          | 5800  |
|                                 |                  |  |              |              |         |                                | IV              | 2              | 4600           | -                    | 1200                  | 600                         | -              | -         | -             | 500        | 6900  |
| Master of Science (Chemistry)   | MSCCH-21         | B.Sc. with Chemistry as Major in 3/4 Year Graduation   | 2            | 4            | English | Semester                       | I               | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | 150           | -          | 9950  |
|                                 |                  |  |              |              |         |                                | II              | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | -             | -          | 9800  |
|                                 |                  |  |              |              |         |                                | III             | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | -             | -          | 9800  |
|                                 |                  |  |              |              |         |                                | IV              | 2              | 4600           | 3000                 | 1200                  | 600                         | 500            | 500       | -             | 500        | 10900 |
| Master of Science (Physics)     | MSCPH-21         | B.Sc. with Physics as Major in 3/4 Year Graduation     | 2            | 4            | English | Semester                       | I               | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | 150           | -          | 9950  |
|                                 |                  |  |              |              |         |                                | II              | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | -             | -          | 9800  |
|                                 |                  |  |              |              |         |                                | III             | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | -             | -          | 9800  |
|                                 |                  |  |              |              |         |                                | IV              | 3              | 4600           | -                    | 1200                  | 900                         | -              | -         | -             | 500        | 7200  |
| Master of Science (Zoology)     | MSCZO-21         | B.Sc. with Zoology as Major in 3/4 Year Graduation     | 2            | 4            | English | Semester                       | I               | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | 150           | -          | 9950  |
|                                 |                  |  |              |              |         |                                | II              | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | -             | -          | 9800  |
|                                 |                  |  |              |              |         |                                | III             | 4              | 4600           | 3000                 | -                     | 1200                        | 500            | 500       | -             | -          | 9800  |
|                                 |                  |  |              |              |         |                                | IV              | 2              | 4600           | 3000                 | 1200                  | 600                         | 500            | 500       | -             | 500        | 10900 |

## Master of Science (Botany)

MSCBOT-21

मास्टर ऑफ साइन्स (वनस्पतिविज्ञान)

Credits-72

| Course Code  | Paper Name                                    | Credits | Total Marks<br>(Th / Ass) |
|--|---|---------|---------------------------|
| <b>SEMESTER I</b>  |   |         |                           |
| MSCBOT 501   | Fungi, Lichen, Viruses and Bacteria           | 03      | 100 (70/30)               |
| MSCBOT 502   | Algae and Bryophytes                          | 03      | 100 (70/30)               |
| MSCBOT 503   | Pteridophytes, Gymnosperms and Paleobotany    | 03      | 100 (70/30)               |
| MSCBOT 504   | Taxonomy of Flowering Plants (Angiosperms)    | 03      | 100 (70/30)               |
| MSCBOT 505(L)  | Laboratory Practical-I                        | 06      | 200                       |
| <b>SEMESTER II</b>   |   |         |                           |
| MSCBOT 506   | Cell Biology of Plants                        | 03      | 100 (70/30)               |
| MSCBOT 507   | Cytogenetics and Plant Breeding               | 03      | 100 (70/30)               |
| MSCBOT 508   | Plant Development                             | 03      | 100 (70/30)               |
| MSCBOT 509   | Plant Reproduction                            | 03      | 100 (70/30)               |
| MSCBOT 510(L)  | Laboratory Practical-II                       | 06      | 200                       |
| <b>SEMESTER III</b>  |   |         |                           |
| MSCBOT 601   | Plant Physiology and Biochemistry             | 03      | 100 (70/30)               |
| MSCBOT 602   | Plant Ecology                                 | 03      | 100 (70/30)               |
| MSCBOT 603   | Plant Resource Utilization and Conservation   | 03      | 100 (70/30)               |
| MSCBOT 604   | Molecular Biology and Biotechnology of Plants | 03      | 100 (70/30)               |
| MSCBOT 605(L)  | Laboratory Practical-III                      | 06      | 200                       |
| <b>SEMESTER IV</b>   |   |         |                           |
| MSCBOT 606   | Biostatistics                                 | 03      | 100 (70/30)               |
| MSCBOT 607   | Forest Ecology*                               | 03      | 100 (70/30)               |
| MSCBOT 608   | Ethnobotany*                                  | 03      | 100 (70/30)               |
| MSCBOT 609(L)  | Laboratory Practical-IV                       | 03      | 100                       |
| MSCBOT 610   | Dissertation                                  | 09      |                           |
| Grading system   |   |         |                           |
| <b>* Elective Courses</b>  |   |         |                           |
| <b>Note:</b> Students have to opt "One Elective Course" from the two given Elective Courses (MSCBOT-607 or MSCBOT-608) in the fourth semester. Student will have to do a Dissertation. Marks shall not be awarded to the student on the Dissertation, instead of marks Grade A, B, C or D shall be given after assessment of the Dissertation. |   |         |                           |

## Master of Science (Mathematics)

MSCMT-23

Credits-72

| Course Code       | Course Name                       | Credits | Total Marks<br>(Th. /Assign.) |
|-------------------|-----------------------------------|---------|-------------------------------|
| <b>SEMESTER I</b> |                                   |         |                               |
| MAT501            | Advanced Abstract Algebra         | 04      | 100(70/30)                    |
| MAT502            | Advanced Real Analysis            | 04      | 100(70/30)                    |
| MAT503            | Advanced Statistics               | 04      | 100(70/30)                    |
| MAT504            | Advanced Differential Equation- I | 04      | 100(70/30)                    |



| SEMESTER II |                                   |    |            |
|-------------|-----------------------------------|----|------------|
| MAT505      | Advanced Linear Algebra           | 04 | 100(70/30) |
| MAT506      | Topology                          | 04 | 100(70/30) |
| MAT507      | Measure Theory                    | 04 | 100(70/30) |
| MAT508      | Advanced Differential Equation-II | 04 | 100(70/30) |
| MAT509      | Mathematical Methods              | 04 | 100(70/30) |

### Master of Science (Chemistry)

MSCCH-21

मास्टर ऑफ साइन्स (रसायन विज्ञान)

Credits-72

| Course Code   | Paper Name   | Credits | Total Marks<br>(Th / Ass) |
|---|--|---------|---------------------------|
| SEMESTER I  |  |         |                           |
| MSCCH-501   | Inorganic Chemistry I  | 03      | 100 (70 /30)              |
| MSCCH-502   | Organic Chemistry I  | 03      | 100 (70 /30)              |
| MSCCH-503   | Physical Chemistry I   | 03      | 100 (70 /30)              |
| MSCCH-504   | Group Theory, Instrumentation Chemistry & Computer for chemist | 03      | 100 (70 /30)              |
| MSCCH-505L  | Laboratory Course- I   | 06      | 200                       |
| SEMESTER II   |  |         |                           |
| MSCCH-506   | Inorganic Chemistry II   | 03      | 100 (70 /30)              |
| MSCCH-507   | Organic Chemistry II   | 03      | 100 (70 /30)              |
| MSCCH-508   | Physical Chemistry II  | 03      | 100 (70 /30)              |
| MSCCH-509   | Spectroscopy I   | 03      | 100 (70 /30)              |
| MSCCH-510L  | Laboratory Course- II  | 06      | 200                       |
| SEMESTER III  |  |         |                           |
| MSCCH-601   | Solid State and Materials Chemistry                            | 03      | 100 (70 /30)              |
| MSCCH-602   | Spectroscopy II  | 03      | 100 (70 /30)              |
| MSCCH-603   | Bio-Inorganic and Bio-Physical Chemistry                       | 03      | 100 (70 /30)              |
| MSCCH-604   | Photo Chemistry and Allied Chemistry                           | 03      | 100 (70 /30)              |
| MSCCH-605L  | Lab Course III   | 06      | 200                       |
| SEMESTER IV   |  |         |                           |
| MSCCH-606   | *Organic Synthesis   | 03      | 100 (70 /30)              |
| MSCCH-607   | **Chemistry of Natural product and Heterocyclic compounds      | 03      | 100 (70 /30)              |
| MSCCH-608   | **Medicinal Chemistry  | 03      | 100 (70 /30)              |
| MSCCH-609   | Lab Course IV(Organic)   | 03      | 100                       |
| MSCCH-610   | Dissertation   | 09      | Grade                     |
| *Compulsory Course                                      |  |         |                           |
| ** Elective Course- Only one course is supposed to opt. |  |         |                           |

### Master of Science (Physics)

MSCPH-21

मास्टर ऑफ साइन्स (भौतिक विज्ञान)

Credits-72

| PROGRAMME STRUCTURE |                      |         |              |
|---------------------|----------------------|---------|--------------|
| Course Code         | Course Name          | Credits | Total Marks  |
| Semester I          |                      |         |              |
| MSCPH-501           | Mathematical Physics | 03      | 100 (70 /30) |
| MSCPH-502           | Classical Mechanics  | 03      | 100 (70 /30) |
| MSCPH-503           | Quantum Mechanics    | 03      | 100 (70 /30) |

|  |   |    |              |
|--|---|----|--------------|
| MSCPH-504  | Statistical Mechanics                         | 03 | 100 (70 /30) |
| MSCPH-505<br>(L)   | Practical Physics I                           | 06 | 200          |
| <b>Semester II</b>   |   |    |              |
| MSCPH--506   | Condensed Matter Physics                      | 03 | 100 (70 /30) |
| MSCPH--507   | Spectroscopy                                  | 03 | 100 (70 /30) |
| MSCPH--508   | Electrodynamics                               | 03 | 100 (70 /30) |
| MSCPH--509   | Electronics                                   | 03 | 100 (70 /30) |
| MSCPH-510<br>(L)   | Practical Physics II                          | 06 | 200          |
| <b>Semester III</b>  |   |    |              |
| MSCPH-511  | Nuclear and subatomic particle Physics        | 03 | 100 (70 /30) |
| MSCPH-512  | Advanced Quantum mechanics                    | 03 | 100 (70 /30) |
| MSCPH-521  | *Digital electronics and Communication System | 03 | 100 (70 /30) |
| MSCPH-522  | *Memory Devices and Microprocessors           | 03 | 100 (70 /30) |
| MSCPH-523(L)   | *Practical Physics III                        | 06 | 200          |
| <b>Semester IV</b>   |   |    |              |
| MSCPH-551  | **Optoelectronics                             | 03 | 100 (70 /30) |
| MSCPH-558  | **Particle Physics                            | 03 | 100 (70 /30) |
| MSCPH-552  | **Material Science                            | 03 | 100 (70 /30) |
| MSCPH-520  | Dissertation                                  | 09 | Grading      |
| * <b>Specialization 1<sup>st</sup> (Digital Electronics and Solid State Devices) courses</b> |   |    |              |
| ** <b>Elective Courses</b>   |   |    |              |

## Master of Science (Zoology)

MSCZO-21

मास्टर ऑफ साइन्स (जन्तु विज्ञान)

Credits-72

| Course Code         | Paper Name  | Credits | Total Marks<br>(Th / Ass) |
|---------------------|---|---------|---------------------------|
| <b>SEMESTER I</b>   |   |         |                           |
| MSCZO-501           | Invertebrates   | 03      | 100 (70 /30)              |
| MSCZO -502          | Taxonomy & Evolution  | 03      | 100 (70 /30)              |
| MSCZO -503          | Animal Physiology&Endocrinology   | 03      | 100 (70 /30)              |
| MSCZO -504          | Bio-Chemistry   | 03      | 100 (70 /30)              |
| MSCZO -505(L)       | Practical Zoology I (Practical Related to the syllabus of I <sup>st</sup> sem.)   | 06      | 200                       |
| <b>SEMESTER II</b>  |   |         |                           |
| MSCZO -506          | Concepts of Cell Biology and Genetics   | 03      | 100 (70 /30)              |
| MSCZO-507           | Molecular Biology & Biotechnology   | 03      | 100 (70 /30)              |
| MSCZO -508          | Environmental Biology   | 03      | 100 (70 /30)              |
| MSCZO 509           | Animal Behavior   | 03      | 100 (70 /30)              |
| MSCZO -510(L)       | Practical Zoology II (Practical Related to the syllabus of II <sup>nd</sup> sem.) | 06      | 200                       |
| <b>SEMESTER III</b> |   |         |                           |
| MSCZO -601          | Vertebrates   | 03      | 100 (70 /30)              |
| MSCZO -602          | Developmental Biology&Immunology  | 03      | 100 (70 /30)              |
| MSCZO -603          | Bioinformatics, Biostatistics & Computer Application                              | 03      | 100 (70 /30)              |
| MSCZO -604          | Microbiology  | 03      | 100 (70 /30)              |

|   |   |    |              |
|---|---|----|--------------|
| MSCZO - 605(L)  | Practical Zoology III (Practicals Related to the syllabus of III <sup>rd</sup> sem.)    | 06 | 200          |
| <b>SEMESTER IV</b>  |   |    |              |
| <b>SPECIAL PAPER: SPECIAL PAPER EITHER FISH AND FISHERIES OR ENTOMOLOGY</b> |   |    |              |
| <b>FISH AND FISHERIES</b>   |   |    |              |
| MSCZO -606  | Fish and Fisheries (Structure and Functions)  | 03 | 100 (70 /30) |
| MSCZO -607  | Fish and Fisheries (Applied Ichthyology)(Fisheries Culture, Nutrition and Pathology)    | 03 | 100 (70 /30) |
| MSCZO -608  | Laboratory Course: Fishery (Practical Related to the syllabus of IV <sup>th</sup> sem.) | 03 | 100 (70 /30) |
| MSCZO -609  | Dissertation (Seminar & Viva-Voice)   | 09 | Grade        |
| <b>Or Entomology</b>  |   |    |              |
| MSCZO-610   | Entomology (Systematic and Applied Entomology)  | 03 | 100 (70 /30) |
| MSCZO-611   | Entomology (Morphology, Physiology & Development Biology)                               | 03 | 100 (70 /30) |
| MSCZO -612  | Laboratory Course: Entomology (Practical Related to the syllabus of IV sem.)            | 03 | 100 (70 /30) |
| MSCZO -613  | Dissertation (Seminar & Viva-Voice)   | 09 | Grade        |

**Note: Note:** 1-\*Students have to opt “One Special Paper either fish and fisheries or Entomology” from the two given Specialization Courses (**MSCZO606-609 or MSCZO-610-613**) in the fourth semester. Student will have to do a Dissertation. Marks shall not be awarded