# JIWAJI UNIVERSITY, GWALIOR

## B.Sc. Honors – 2019-22

**Subject – Foundation Course**

**Year – 2019-2022**

| Year | Type of Paper | Paper Code | Name of the Paper | Marks | | |
|---|---|---|---|---|---|---|
| | | | | CCE | Yearly Exam | Total |
| | Hindi-I | FC-101 | हिन्दी भाषा और नैतिक मूल्य | 10 | 40 | **50** |
| | Paper-II | FC-102 | Entrepreneurship Development | 10 | 40 | **50** |
| | English-III | FC-103 | English Language | 10 | 40 | **50** |
| **II Year** | Hindi-I | FC-201 | हिन्दी भाषा और नैतिक मूल्य | 10 | 40 | **50** |
| | Paper-II | FC-202 | Study of Environment and Ecology | 10 | 40 | **50** |
| | English-III | FC-203 | English Language | 10 | 40 | **50** |
| **III Year** | Hindi-I | FC-301 | हिन्दी भाषा और नैतिक मूल्य | 10 | 40 | **50** |
| | Paper-II | FC-302 | Basics of Computers and Information Technology | 10 | 40 | **50** |
| | English-III | FC-303 | English Language | 10 | 40 | **50** |

## सत्र 2019–20

Class : बी.एस.सी. प्रथम वर्ष
Subject : आधार पाठ्यक्रम (प्रथम प्रश्न पत्र)
Title of Paper : हिन्दी भाषा और नैतिक मूल्य
Max. Marks : नियमित (Hindi language =30) + (Moral Values 10)+ CCE 10=50
: स्वाध्यायी = 35

## विवरण

इकाई – 1 हिन्दी भाषा

1. स्वतंत्रता पुकारती (कहानी) – जयशंकर प्रसाद
2. पुष्प की अभिलाषा (कविता) – माखनलाल चतुर्वेदी
3. वाक्य संरचना और अशुद्धियां (संकलित)

इकाई –2 हिन्दी भाषा

1. पूस की रात (कहानी) प्रेमचंद
2. अप्प दीपो भव (लेख) स्वामी श्रृद्धानंद
3. पर्यायवाची, विलोम, एकार्थी, अनेकार्थी एवं शब्दयुग्म शब्द (संकलित)

इकाई–3 हिन्दी भाषा

1. भगवान बुद्ध (निबंध) – स्वामी विवेकानंद
2. कछुआ धर्म – चंद्रधर शर्मा गुलेरी
3. नहीं रुकती है नदी – हीरालाल बाछोतिया
4. पल्लवन

इकाई –4 हिन्दी भाषा

1. अफसर (व्यंग्य) – शरद जोशी
2. हमारी सांस्कृतिक एकता (निबंध) – रामधारीसिंह दिनकर (एक भारत श्रेष्ठ भारत के अंतर्गत )
   संक्षेपण

इकाई –5 नैतिक मूल्य

1. नैतिक मूल्य परिचय एवं वर्गीकरण (आलेख) – डॉ. शशि राय
2. आचरण की सभ्यता (निबंध) –सरदार पूर्णसिंह
3. अंतर्ज्ञान एवं नैतिक जीवन (लेख) – डॉ. सर्वपल्ली राधाकृष्णन

**JIWAJI UNIVERSITY, GWALIOR**

**B.Sc. Honor's : 2019-22**

**Foundation Course**

| | |
|---|---|
| **Class** | **B.Sc. I Year** |
| **Paper** | **III Entrepreneurship Development** |
| **Type of Paper** | **Compulsory** |
| **Maximum Marks** | **10 + 40 = 50** |

| | |
|---|---|
| **Unit - I** | Entrepreneurship Development: Concepts and Importance, Function of Enterpriser, Goal Determination- Problem, Challenges and solutions |
| **Unit-II** | Project Proposal: Need and Objectives, Nature of Organization, Production Management |
| **Unit – III** | Role of Regulatory Institutions, Role of Development Organizations, Self employment oriented schemes, Various Growth Schemes |
| **Unit – IV** | Financial Management for Projects: Financial Institutions and their role, Capital Estimation and Arrangement, cost and price determination, Accounting Management |
| **Unit – V** | Problems of Entrepreneur: Problems relating capital. Problem relating Registration, Administrative Problems and how to overcome the above problems |

**JIWAJI UNIVERSITY, GWALIOR**

**B.Sc. Honor's : 2019-22**

**Foundation Course**

| | |
|---|---|
| **Class** | **B.Sc. I Year** |
| **Paper** | **III English Language** |
| **Type of Paper** | **Compulsory** |
| **Maximum Marks** | **10 + 40 = 50** |

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|---|---|
| **Unit - 1** | 1. Where the Mind is Without Fear: Rabindranath Tagore<br>2. The Hero: R.K.Narayan<br>3. Tryst with Destiny: Jawaharlal Nehru<br>4. The Portrait of a Lady: Khushwant Singh<br>5. The Solitary Reaper: William Wordworth |
| **Unit-II** | Basic Language Skills: Vocabulary, Synonyms, Antonyms, Word formation, Prefixes, Suffixes |
| **Unit – III** | Basic Language Skill: Uncountable nouns, Verbs, Tenses, Adverbs |
| **Unit – 1V** | Comprehension/ Unseen Passsage |
| **Unit – V** | Comprehension and Paragraph Writing |

# सत्र 2020–21

Class : बी.एस.सी द्वितीय वर्ष
Subject : आधार पाठ्यक्रम (प्रथम प्रश्न पत्र)
Title of Paper : हिन्दी भाषा और नैतिक मूल्य
Max. Marks : नियमित (Hindi language =30)+ (Moral Values 10)+ CCE 10=50

## विवरण

इकाई – 1 हिन्दी भाषा

1. वह तोड़ती पत्थर (कविता) – सूर्यकांत त्रिपाठी निराला
2. दिमागी गुलामी (निबंध) – राहुल सांकृत्यायन
3. वर्ण–विचार (स्वर–व्यंजन वर्गीकरण, उच्चारण स्थान)

इकाई –2 हिंदी भाषा

1. नारीत्व का अभिशाप (निबंध) –महादेवी वर्मा
2. चीफ की दावत (कहानी) – भीष्म साहनी
3. विराम चिह्न (संकलित)

इकाई –3 हिन्दी भाषा

1. चली फगुनाहट बौरे आम (ललित निबंध) – विवेकी राय
2. इन्द्रधनुष का रहस्य (वैज्ञानिक लेख) – डॉ. कपूरमल जैन
3. संधि (संकलित)

इकाई –4 हिन्दी भाषा

1. सपनों की उड़ान (प्रेरक निबंध) –ए.पी.जे. अब्दुल कलाम
2. हमारा सौरमण्डल (संकलित)
3. प्रमुख वैज्ञानिक आविष्कार (संकलित)

इकाई –5 हिन्दी भाषा

1. शिकागो व्याख्यान (व्याख्यान) – स्वामी विवेकानंद
2. धर्म और राष्ट्रवाद – (लेख) – महर्षि अरविन्द
3. सादगी (आत्मकथा) – महात्मा गांधी
4. चित्त जहाँ भय शून्य (कविता) – रवीन्द्रनाथ टैगोर

**JIWAJI UNIVERSITY, GWALIOR**

**B.Sc. Honor's : 2019-22**

**Foundation Course**

| | |
|---|---|
| **Class** | **B.Sc. II Year** |
| **Paper** | **II Study of Environment and Ecology** |
| **Type of Paper** | **Compulsory** |
| **Maximum Marks** | **10 + 40 = 50** |

| | |
|---|---|
| **Unit - I** | Study of Environment and Ecology<br>a. Definition and Importance<br>b. Public Participation and public awareness<br>c. Ecology- Introduction<br>d. Ecosystem- Concepts, Components, structure and function, energy flow chain, food web, ecological pyramids and types |
| **Unit-II** | Environmental Pollution and Population<br>a. Air, water, noise, heat and nuclear pollution- definition, causes, effect and prevention of pollution<br>b. Population growth, disparities between countries<br>c. Population explosion, family welfare program<br>d. Environment and human health<br>e. Cleanliness and disposal of domestic waste |
| **Unit – III** | Natural resources, problems and conservation<br>a. Water resources<br>b. Forest resources<br>c. Land resources<br>d. Food resources<br>e. Energy resources |
| **Unit – IV** | Biodiversity and its protection<br>a. Introduction- Genetic species and ecosystem diversity<br>b. Value of Biodiversity- Consumable use: Productive use; Social, Moral and Aesthetic values<br>c. India as a Nation of mega biodiversity centre, Biodiversity at national and local levels<br>d. Threats to biodiversity- loss of habitat, poaching of wildlife, man and wildlife conflicts |
| **Unit – V** | Disaster Management and Environmental laws<br>a. Disaster Management- Food, earthquake, cyclones and landslides<br>b. Conservation of laws for air and water pollution<br>c. Wildlife conservation laws<br>d. Role of information technology in protecting environment and health |

**JIWAJI UNIVERSITY, GWALIOR**

**B.Sc. Honor's : 2019-22**

**Foundation Course**

| | |
|---|---|
| **Class** | **B.Sc. II Year** |
| **Paper** | **III English Language** |
| **Type of Paper** | **Compulsory** |
| **Maximum Marks** | **10 + 40 = 50** |

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|---|---|
| **Unit - 1** | 1. Tree: Tina Morris<br>2. Night of the Scorpion: Nissim Ezekel<br>3. Idgah: Premchand [translated by Khushwant Singh]<br>4. Letter to God: G.L. Swanteh [translated by Donald A. Yates]<br>5. God Sees the Truth but Waits: Leo Tolstoy |
| **Unit-II** | Basic English Language: Nouns and Pronouns, Articles, Verbs, Determiners, Tense, Proverbs and Phrasal Verbs, Idioms, prepositions |
| **Unit – III** | 1. Short Essay on given topics<br>2. Correspondence Skills [Formal and Informal Letters and Applications] |
| **Unit – 1V** | Translation of Sentences/ passage: English to Hindi and Hindi o English |
| **Unit – V** | Resume Writing |

**JIWAJI UNIVERSITY, GWALIOR**

**B.Sc. Honor's : 2019-22**

**Foundation Course**

| | |
|---|---|
| **Class** | **B.Sc. II Year** |
| **Paper** | **III English Language** |
| **Type of Paper** | **Compulsory** |
| **Maximum Marks** | **10 + 40 = 50** |

| | |
|---|---|
| **Unit - 1** | 1. Tree: Tina Morris<br>2. Night of the Scorpion: Nissim Ezekel<br>3. Idgah: Premchand [translated by Khushwant Singh]<br>4. Letter to God: G.L. Swanteh [translated by Donald A. Yates]<br>5. God Sees the Truth but Waits: Leo Tolstoy |
| **Unit-II** | Basic English Language: Nouns and Pronouns, Articles, Verbs, Determiners, Tense, Proverbs and Phrasal Verbs, Idioms, prepositions |
| **Unit – III** | 1. Short Essay on given topics<br>2. Correspondence Skills [Formal and Informal Letters and Applications] |
| **Unit – 1V** | Translation of Sentences/ passage: English to Hindi and Hindi o English |
| **Unit – V** | Resume Writing |

# सत्र 2021–22

Class : बी.एस.सी तृतीय वर्ष
Subject : आधार पाठ्यक्रम (प्रथम प्रश्न पत्र)
Title of Paper : हिन्दी भाषा और नैतिक मूल्य
Max. Marks : नियमित (Hindi language =30)+ (Moral Values 10)+ CCE 10=50

## विवरण

इकाई – 1 हिन्दी भाषा

1. मेरे सह यात्री (यात्रा वृतांत) – अमृतलाल बेगड़
2. मध्यप्रदेश की लोक कलाएँ (संकलित)
3. लोकोक्तियाँ एवं मुहावरे (संकलित)

इकाई –2 हिन्दी भाषा

1. जनसंचार माध्यम (प्रिंट, इलैक्ट्रॉनिक एवं सोशल मीडिया)
2. दूरभाष और मोबाइल (संकलित)
3. संक्षिप्तियाँ

इकाई –3 हिन्दी भाषा

1. पत्रकारिता के विभिन्न आयाम (संकलित)
2. मध्यप्रदेश का लोक साहित्य (संकलित)
3. पत्र लेखन– आवेदन, प्रारूपण, आदेश, परिपत्र, ज्ञापन, अनुस्मारक पत्र (संकलित)

इकाई –4 हिन्दी भाषा

1. राजभाषा हिन्दी (संकलित) हिन्दी की संवैधानिक एवं व्यवहारिक स्थिति
2. हिन्दी की शब्द सम्पदा (संकलित)
3. अनुवादः अर्थ, प्रकार एवं अभ्यास

इकाई –5 हिन्दी भाषा

1. विश्व के प्रमुख धर्म एवं महत्पूर्ण विशेषताएं
   (हिन्दू धर्म, जैन धर्म, बौद्ध धर्म, सिक्ख धर्म, ईसाई धर्म, इस्लाम धर्म)
2. सत्य के प्रयोग (महात्मा गांधी की आत्मकथा का संक्षिप्त संस्करण)

**JIWAJI UNIVERSITY, GWALIOR**

**B.Sc. Honor's : 2019-22**

**Foundation Course**

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|---|---|
| **Class** | **B.Sc. III Year** |
| **Paper** | **III Basics of Computers and information Technology** |
| **Type of Paper** | **Compulsory** |
| **Maximum Marks** | **10+ 40 = 50** |

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|---|---|
| **Unit-I** | **Introduction to Computer**<br>Basic Organization of Computer system: Block diagram and functions (central processing unit, input/ output unit, storage unit): Characteristics; capabilities and Limitations, Type of computing devices: Desktop, Laptop and Notebook, Smart phones, Tablet PC, Server, Workstation and their characteristics.<br>Primary memory and their Types; RAM, ROM, PROM, EPROM, EEPROM,; Cache Memory, Peripheral Devices<br>Input Devices: Keyboard, Mouse, Trackball. Joystick, Digitizer or Graphic tablet, Scanners, Digital Camera, Web Camera, MICR, OCR, OM, Bar- code Reader, Voice recognition device, Light, Pen and Touch Screen<br>Output Devices: Display Devices (CRT, TFT, LCD, LED, Multimedia Projectors); Video Standard: VGA, SVGA, XGA etc. Impact Printers (Daisy wheel, Dot Matrix & Line Printer), Non Impact Printer (Inkjet, Laser, Thermal).<br>**Storage devices**<br>Magnetic Tape, cartridge, Data drives, Hard Disk Drives (Internal and External), Floppy Disk, CD, VCD, CD-RW, Zip Drive, DVD, DVD-RW, USB Flash Drive, Blue Ray Disc and Memory Cards |
| **Unit-II** | **Operating Systems [OS]**<br>DOS Basic: Fat, File and Directory, Structure and Naming rules, Booting Process, DOS System files, Internal and External DOS Commands.<br>Windows Basics (only elementary Ides]:<br>Windows 7 & 8 Desktops, Control Panel, Saving, renaming, moving, coping, and searching files and folders, restoring from recycle bin, Creating shortcut, Establishing Network connections |
| **Unit-III** | MS Word<br>Text editing and formatting using Word 2007 and onwards : creating documents using Template; Saving word file in various file formats; previewing documents, printing documents to file/ page; protecting document; editing of selected text, inserting, deleting and moving text<br>Formatting Documents; page layout, paragraph format, Aligning text and Paragraph Borders and Shading, Headers and Footers. |
| **Unit-IV** | **MS Power Point and MS Excel**<br>• Creating presentation using slide master and template in various themes & variants |

| | |
|---|---|
| | • Working with Slides: New slide, move, copy, delete, duplicate, slide layouts, presentation view.<br>• Format menu: Font, paragraph, drawing and editing<br>• Printing presentation: print slides, notes, hand outs and outlines<br>• Saving presentation in different file formats<br>• Workbook & Worksheet Fundamentals: Concept of Row, Columns & cells; creating a new workbook through blank and template.<br>• Working with Worksheet Fundamentals: Entering data into Worksheet (General number, Currency, Date, Time, Text, Accounting etc.); Renaming, copying, inserting, deleting & Protecting worksheet.<br>• Working with Row & Column (inserting, deleting, pasting, Resizing & Hiding), Cell and Cell formatting, Concept of range. |
| **Unit-V** | **Internet and Cyber security**<br>• Internet worldwide web dial up connectivity, leased line Vsat, Broad Band, wi-fi, URI, domain name, web Browser (Internet Explorer, Firefox, Google Chrome Opera, Uc Browser etc.) search Engine (Google, Bin, Ask, etc.); website; Static and Dynamic; Difference between website and Portal.<br>• E-mail account opening, Sensing and receiving mails, Managing contacts & Folders.<br>• E.mail, internet & Social Networking Ethics.<br>• Types of viruses and anti-viruses<br>• Computer security issues & its protection through firewall and anti-viruses<br>• Making secure online transactions. |

**Suggested Books:**

1. PC Software for Windows by R.K.Taxali
2. Fundamentals of Computers by R.K.Sinha
3. Computer Today by Suresh K.Basandra
4. Computer Fundamentals and Architecture by B.Ram

**JIWAJI UNIVERSITY, GWALIOR**

**B.Sc. Honor's : 2019-22**

**Foundation Course**

| | |
|---|---|
| **Class** | **B.Sc. III Year** |
| **Paper** | **III English Language** |
| **Type of Paper** | **Compulsory** |
| **Maximum Marks** | **10 + 40 = 50** |

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|---|---|
| **Unit - 1** | 1. Stopping by Woods on a Snowy Evening: Robert Frost<br>2. Cherry Tree: Ruskin Bond<br>3. The Axe: R.K.Narayan<br>4. The Selfish Giant: Oscar Wilde<br>5. On the Rule of the Road: A.G.Gradiner<br>6. The Song of Kabir: Translated by Tagore |
| **Unit-II** | Basic Language Skills: Transformation of Sentences, Direct-indirect Speech, Active-Passive Voice, Confusing Words.<br>Misused Words, Similar Words with different meaning |
| **Unit – III** | Report Writing, Narration Skills, Narration of events and situations. |
| **Unit – IV** | Précis writing |
| **Unit – V** | Drafting C.V. |