

This question paper contains 2 printed pages]

HA—01—2026

**FACULTY OF HUMANITIES/SCIENCE AND
TECHNOLOGY AND COMMERCE MANAGEMENT**

B.A./B.Com./B.Sc. (First Year) (First Semester) EXAMINATION

APRIL/MAY, 2026

(NEP 2020 Pattern)

ENGLISH (Compulsory)

Paper I (HENGAEC1101)

(Developing Spoken Communication)

(Saturday, 4-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :— (i) Question No. 1 is compulsory.

(ii) Attempt any *two* questions from Q. No. 2 to Q. No. 5.

(iii) Figures to the right indicate full marks.

1. Write short notes on :

10

(i) Non-verbal communication

(ii) Imperative sentences

(iii) Promoting the function

(iv) Telephonic conversation.

P.T.O.

2. Discuss the importance of spoken communication. 10
3. Prepare *five* common self-introduction questions with suitable answers. Your response should include the following points :
name, address, education, food habits, and hobbies. 10
4. Prepare an anchoring script of the inaugural function of the 'NSS Special Camp' organized by your college at the village nearest your college. 10
5. You are planning to go to a movie. Draft a phone conversation asking your friend to join you. 10

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HA—17—2026

FACULTY OF HUMANITIES

B.A./B.Sc./B.Com. (NEP) (First Year) (First Semester) EXAMINATION

APRIL/MAY, 2026

HINDI (MIL)

HHINMIL-1101

साहित्य कलश और व्यावहारिक हिंदी, भाग-1

(Tuesday, 7-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :- (i) पहला प्रश्न अनिवार्य है।

(ii) प्रश्न क्रमांक 2 से 5 में से किन्हीं दो प्रश्नों के उत्तर लिखिए।

(iii) सभी प्रश्नों के समान अंक हैं।

1. टिप्पणियाँ लिखिए :

10

(अ) ब्लॉग लेखन की उपयोगिता

(ब) 'पंच परमेश्वर' कहानी का अलगू चौधरी

(क) आकाशवाणी के विज्ञापन की विशेषताएँ

(ड) कवि मैथिलीशरण गुप्त का परिचय।

P.T.O.

WT

(2)

HA—17—2026

2. 'उर्फ़ सैम' कहानी की कथावस्तु लिखिए। 10
3. 'गीत-फ़रोश' कविता का आशय समझाइए। 10
4. समाचार-पत्र के विज्ञापन की विशेषताएँ लिखिए। 10
5. ब्लॉग लेखन के अर्थ एवं स्वरूप पर चर्चा कीजिए। 10

HA—17—2026

2

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HA—1002—2026

FACULTY OF ARTS/COMMERCE/SCIENCE

B.A./B.Com./B.Sc. (First Year) (First Semester) XAMINATION

APRIL/MAY, 2026

(NEP 2020 Pattern)

INDIAN KNOWLEDGE SYSTEM

Paper IKS 1101

(Undergraduate Level Students Studying Across All Faculties)

(Wednesday, 1-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

- N.B. :-**
- (i) All questions carry equal marks.
 - (ii) Question No. 1 is compulsory.
 - (iii) Solve any *two* of the remaining four questions (Q. No. 2 to Q. No. 5).
 - (iv) Figures to the right indicate full marks.
- (i) सर्व प्रश्नांना समान गुण आहेत.
 - (ii) प्रश्न क्र 1 अनिवार्य आहे.
 - (iii) उर्वरित चार प्रश्नांपैकी कोणतेही दोन प्रश्न सोडवा (प्र. क्र. 2 ते प्र. क्र. 5)
 - (iv) उजवीकडील अंक पूर्ण गुण दर्शवितात.

P.T.O.

1. Solve the following questions (2.5 marks each) : 10

- (i) Which subjects are included in the Indian knowledge system ?
- (ii) Name the *four* types of Pramana (means of knowledge) in Nyaya Philosophy.
- (iii) What is the importance of city planning in ancient Indian architecture ?
- (iv) What natural fertilizers were used in ancient Indian agriculture ?

खालील प्रश्न सोडवा (प्रत्येकी 2.5 गुण) :

- (i) भारतीय ज्ञान प्रणालीमध्ये कोणकोणते विषयांचा समावेश आहे ?
- (ii) न्याय दर्शनातील चार प्रकारचे प्रमाण सांगा.
- (iii) प्राचीन भारतीय स्थापत्यकलेतील शहर नियोजनाचे महत्व काय आहे ?
- (iv) प्राचीन भारतीय शेतीत कोणते नैसर्गिक खत वापरले जात असते ?

2. Discuss the contributions of Ayurveda, astronomy and mathematics to Indian science. 10

आयुर्वेद, खगोलशास्त्र, आणि गणित या भारतीय विज्ञानाच्या योगदानाचे विवेचन करा.

3. Explain the importance of the principles of Jain philosophy – ahimsa (non-violence), anekantavada (pluralism), aparigraha (non-possessiveness), and self-discipline. 10

जैन दर्शनाची तत्त्वे - अहिंसा, अनेकांतवाद, अपरिग्रह आणि आत्मसंयम यांचे महत्व स्पष्ट करा.

4. What is the concept of Indian economics ? 10

भारतीय अर्थशास्त्राची संकल्पना काय आहे ?

5. Discuss the contributions of Charaka Samhita, Sushruta Samhita, and Vagbhata in Ayurveda. 10

आयुर्वेदातील 'चरक संहिता' 'सुश्रुत संहिता व वाग्भट यांच्या योगदानाची चर्चा करा.

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HA—18—2026

FACULTY OF HUMANITIES

B.A./B.Sc./B.Com. (NEP) (First Year) (First Semester) EXAMINATION

APRIL/MAY, 2026

MARATHI (MIL)

AECMAR-1101

गद्य, पद्य व उपयोजित मराठी-I

(Tuesday, 7-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :- (i) पहिला प्रश्न सोडविणे अनिवार्य आहे.

(ii) सर्व प्रश्नांना समान गुण आहेत.

1. थोडक्यात टिपा लिहा :

10

(अ) स्त्री-पुरुष तुलना

(ब) 'प्रयत्नवादी जीवन प्रवास' मधील शब्दांचे महत्व

(क) उंबरा ओलांडणाऱ्या बायका या कवीतेतील स्त्री व्यथा

(ड) कार्यालयीन पत्रलेखनाचे स्वरूप

P.T.O.

This question paper contains **2** printed pages]

NEPJK—101—2026

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (First Semester) EXAMINATION

APRIL/MAY, 2026

(NEP-2020 Pattern)

DATA SCIENCE

Paper—SDTSCT-1101

(Data Analysis with Excel)

(Thursday, 9-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :- (i) Question paper consists of **5** questions, each of **10** marks.

(ii) Question No. **1** is compulsory.

(iii) Solve any *two* from Q. Nos. **2** to **5**.

1. Attempt the following (**2.5** marks each) :

- (a) Define Data Analysis and explain its importance in decision-making.
- (b) What is a PivotTable ? Mention its main uses.
- (c) Explain the purpose of Data Validation in Excel.
- (d) What is Goal Seek ? Give *one* real-life example.

P.T.O.

2. Attempt the following questions :
 - (a) Explain steps to import and format data in Excel.
 - (b) Explain Descriptive Statistics with examples of measures used in Excel.
3. Attempt the following questions :
 - (a) Explain the process of identifying and handling missing data in Excel.
 - (b) Explain customizing chart elements (title, legend, axes) to make a chart more readable.
4. Attempt the following questions :
 - (a) Explain VLOOKUP and HLOOKUP with syntax and *one* use case for each.
 - (b) Explain Hypothesis Testing using Excel with a suitable example.
5. Attempt the following questions :
 - (a) Explain the use of Power Query for data transformation.
 - (b) Explain the role of Solver for optimization problems with an example.

This question paper contains **2** printed pages]

NEPJK—102—2026

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (First Semester) EXAMINATION

APRIL/MAY, 2026

(NEP-2020)

DATA SCIENCE

Paper—SDTSMT-1101

(Web Technology)

(Saturday, 11-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :— (i) Question No. 1 is compulsory.

(ii) Solve any *two* from question numbers **2** to **5**.

1. Attempt the following : 10
 - (a) Explain ordered list with example.
 - (b) Explain Web browser concept.
 - (c) Write a note on introduction to HTML 5.
 - (d) Write a program for Image Tag using all attributes.
2. Attempt the following : 10
 - (a) Explain structure of HTML in detail.
 - (b) Explain Marquee Tag.

P.T.O.

3. Attempt the following : 10
- (a) Explain Frameset Tag with example.
 - (b) Explain Ordered and Unordered List.
4. Attempt the following : 10
- (a) Explain Creating Anchor Tag.
 - (b) Write down advantage and disadvantages of HTML 5.
5. Attempt the following : 10
- (a) Web Protocols HTTP, FTP.
 - (b) Client side programming.

This question paper contains **2** printed pages]

NEPJK—103—2026

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (First Semester) EXAMINATION

APRIL/MAY, 2026

(NEP Pattern)

DATA SCIENCE

Paper—SDTSMT-1102

(Programming with Python)

(Wednesday, 15-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :— (i) Question paper consists of **5** questions, each of **10** marks.

(ii) Question No. **1** is compulsory.

(iii) Solve any *two* from Q. Nos. **2** to **5**.

1. Attempt the following (**2.5** marks each) :

10

(a) Explain application area of Python.

(b) What is identifiers in Python ?

(c) Explain membership operator.

(d) Describe package in Python.

P.T.O.

2. Attempt the following questions (5 marks each) : 10
- (a) Explain Installation process of Python.
- (b) WAP to find the number is even or odd.
3. Attempt the following questions (5 marks each) : 10
- (a) Explain looping statement in Python.
- (b) Explain data type in Python.
4. Attempt the following questions (5 marks each) : 10
- (a) Explain elif statement in Python.
- (b) Explain types of function in Python.
5. Attempt the following questions (5 marks each) : 10
- (a) Explain standard module in Python.
- (b) WAP to display the following pattern :

```
1
2 3
4 5 6
7 8 9 10
```

This question paper contains 2 printed pages]

HA—1003—2026

FACULTY OF ALL

B.A./B.Com./B.Sc. (First Year) (Second Semester) EXAMINATION

APRIL/MAY, 2026

(NEP 2020 Pattern)

VALUE EDUCATION COURSE

(VECCOI-1151)

(Constitution of India)

(Thursday, 2-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :— (i) Question No. 1 will be compulsory.

(ii) Students are required to solve a total of 3 questions.

(iii) Students need to solve any *two* of the remaining four questions

(Q. No. 2 to Q. No. 5).

(i) प्रश्न क्र. 1 अनिवार्य आहे.

(ii) एकूण 3 प्रश्न सोडविणे आवश्यक आहे.

(iii) प्र. क्र. 2 ते 5 पैकी कोणतेही दोन प्रश्न सोडवा.

P.T.O.

1. Write short notes on (*all*) (2.5 marks each) : 10
- (i) Sources of Indian constitution
- (ii) Right to equality
- (iii) Functions of the Council of Ministers
- (iv) Briefly state the financial relations between centre and the state.
- थोडक्यात टिपा लिहा (सर्व) (प्रत्येकी 2.5 गुण) :
- (i) भारतीय राज्यघटनेची उगमस्थाने
- (ii) समतेचा हक्क
- (iii) मंत्री मंडळाचे कार्य
- (iv) केंद्र आणि राज्य यांच्यातील वित्तीय संबंध थोडक्यात सांगा.
2. Describe the working of the Constitutional Assembly. 10
- संविधान सभेच्या कामकाजाचे वर्णन करा.
3. State the directive principles of state policy. 10
- राज्याच्या धोरणाची मार्गदर्शक तत्त्वे सांगा.
4. Explain the powers and functions of Indian President. 10
- भारताच्या राष्ट्रपतीचे अधिकार व कार्य स्पष्ट करा.
5. Explain the legislative relations between the centre and the state. 10
- केंद्र-राज्य यांच्यामधील कायदेविषयक संबंध स्पष्ट करा.

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HA—25—2026

**FACULTY OF HUMANITIES, SCIENCE AND TECHNOLOGY AND
COMMERCE AND MANAGEMENT**

B.A./B.Com., B.Sc. (First Semester) (Second Semester) EXAMINATION

APRIL/MAY, 2026

(NEP 2020)

ENGLISH (Compulsory)

HENGAEC-1151

(Developing Written Communication-II)

(Wednesday, 8-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

- N.B. :**— (i) Question No. 1 is compulsory.
(ii) Attempt any *two* (2) questions from question No. 2 to 5.
(iii) Figures to the right indicate full marks.

1. Write short notes on :

10

- (i) Topic sentence
(ii) Precis writing
(iii) Types of emails
(iv) Components of meeting agenda.

P.T.O.

2. Explain the importance of punctuation marks with suitable examples. 10
3. Write in detail about the structure of report writing. 10
4. Draft to resume for the post of Marketing Director, including key components such as contact information, career objective, education, skills, work experience and other relevant sections. 10
5. Write a notice about the “Class Test Examination” including all the important parts of a notice. 10

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HA—09—2026

FACULTY OF HUMANITIES

B.A./B.Com./B.Sc. (First Year) (Second Semester) EXAMINATION

APRIL/MAY, 2026

(NEP Pattern)

HINDI (MIL)

HHINMIL-1151

[साहित्य कलश और व्यावहारिक हिंदी (भाग II)]

(Monday, 6-04-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :— (i) पहिला प्रश्न अनिवार्य है ।

(ii) प्रश्न क्रमांक 2 से प्रश्न क्रमांक 5 में से किन्हीं दो प्रश्नों के उत्तर लिखिए ।

(iii) सभी प्रश्नों के अंक समान हैं ।

1. टिप्पणियाँ लिखिए :

10

(अ) कृत्रिम मेधा का अर्थ

(ब) दुष्यंत कुमार का सामान्य परिचय

(क) 'नेताजी का चश्मा' कहानी के हालदार साहब

(ड) पाठ से वाक् प्रणाली के उपयोग ।

P.T.O.

2. 'मुंबई काण्ड' कहानी की मूल संवेदना लिखिए । 10
3. 'कदम मिलाकर चलना होगा' कविता का आशय लिखिए । 10
4. वाक् से पाठ प्रणाली की विशेषताएँ लिखिए । 10
5. कृत्रिम मेधा की उपयोगिता लिखिए । 10

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HA—10—2026

FACULTY OF HUMANITIES

B.A. (NEP) (First Year) (Second Semester) EXAMINATION

APRIL/MAY, 2026

MARATHI (MIL)

Paper II (AECMAR-1151)

(मराठी साहित्य आणि व्यावहारिक मराठी)

(Monday, 6-04-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :- (i) पहिला प्रश्न सोडविणे अनिवार्य आहे.

(ii) प्रश्न क्रमांक 2 ते 5 यापैकी कोणतेही दोन प्रश्न सोडवा.

(iii) सर्व प्रश्नांना समान गुण आहेत.

1. थोडक्यात टिपा लिहा :

10

(अ) साहित्य म्हणजे काय ?

(ब) नाटक

(क) गीताचे स्वरूप

(ड) बातमी.

P.T.O.

प्रश्न क्रमांक 2 ते 5 यापैकी कोणतेही दोन प्रश्न सोडवा :

2. दत्ता भगत यांच्या 'वाटा-पळवाटा' या नाटयांशातून आलेला आंबेडकरी विचार स्पष्ट करा. 10
3. 'आम्ही तुफानातील दिवे' या गीतातून वामनदादा कर्डक यांनी कोणता विचार मांडला आहे ? 10
4. वर्तमान पत्रातील बातमीचे स्वरूप स्पष्ट करा. 10
5. जाहिरात म्हणजे काय ? ते सांगून जाहिरातीचे प्रकार विशद करा. 10

This question paper contains **2** printed pages]

NEPJK—201—2026

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (Second Semester) EXAMINATION

APRIL/MAY, 2026

(NEP Pattern)

DATA SCIENCE

Paper—SDTSCT-1151

(Data Analysis with Power BI-I)

(Friday, 10-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

N.B. :- (i) Question No. **1** is compulsory.

(ii) From Question Nos. **2** to **5**, solve any *two*.

(iii) Figures to the right indicate full marks.

(iv) Assume suitable data, if necessary.

(v) Use of any electronic media such as mobile phone, digital diary and electronic calculator is not permitted.

1. Attempt the following (**2.5** marks each) :

10

(a) What is a Power BI ?

(b) Explain Power BI Interface.

P.T.O.

- (c) Explain how to importing Data from a Data Feed.
- (d) Explain different data resoures for importing data into power BI.
2. Attempt the following (5 marks each) : 10
- (a) Describe Making a User-Friendly Model.
- (b) Explain importing data from relational databases and text file.
3. Attempt the following (5 marks each) : 10
- (a) Explain Merging Data, Appending Data, Splitting Data with power Query.
- (b) Describe the xVelocity In-Memory Analytics Engine.
4. Attempt the following (5 marks each) : 10
- (a) Explain how to Transforming, Cleansing, and Filtering Data.
- (b) Explain Setting Up the Power BI Environment.
5. Attempt the following (5 marks each) : 10
- (a) Describe Data modelling and different types of relationship in Power BI.
- (b) Explain Creating Table Relations in the data model.

This question paper contains 2 printed pages]

NEPJK—202—2026

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (Second Semester) EXAMINATION

APRIL/MAY, 2026

(NEP-2020)

DATA SCIENCE

Paper—SDTSMT-1151

(Introduction to RDBMS)

(Monday, 13-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

- N.B. :-*
- (i) Question No. 1 is compulsory.
 - (ii) From Q. Nos. 2 to 5, solve any *two* questions.
 - (iii) Figures to the right indicate full marks.
 - (iv) Assume suitable data, if necessary.
 - (v) Use of any electronic media such as mobile phone, digital diary and electronic calculator is not permitted.

1. Attempt the following (2.5 marks each) : 10
- (a) Explain Entity, Attribute and Domain.
 - (b) Write a note on Cross Join.
 - (c) Explain the concept of Keys.
 - (d) What is SQL ?

P.T.O.

2. Attempt the following (5 marks each) : 10
- (a) Explain Entity Relationship Model.
 - (b) Explain Database System Application in detail.
3. Attempt the following (5 marks each) : 10
- (a) Explain Mapping Cardinalities with E-R diagrams.
 - (b) What is Normalization ? Explain 2 NF in detail.
4. Attempt the following (5 marks each) : 10
- (a) Explain the concept of Implicit Cursor.
 - (b) Write a note on Outer Join.
5. Attempt the following (5 marks each) : 10
- (a) Explain Multiple Row functions.
 - (b) Explain Select command in detail.

This question paper contains **2** printed pages]

NEPJK—203—2026

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (Second Semester) EXAMINATION

APRIL/MAY, 2026

(NEP Pattern)

DATA SCIENCE

Paper—SDTSMT-1152

(Operating System)

(Thursday, 16-4-2026)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—30

- N.B. :—*
- (i) Question paper consists of **5** questions, each of **10** marks.
 - (ii) Question No. **1** is compulsory.
 - (iii) Solve any *two* questions from Q. Nos. **2** to **5**.

1. Attempt the following (**2.5** marks each) : 10
 - (a) Define operating system.
 - (b) What is process state ? Explain it.
 - (c) What is segmented memory ? Explain it.
 - (d) Explain directory structure in file system.
2. Attempt the following questions : 10
 - (a) Explain an Operating System Resource Manager.
 - (b) Explain user operating system interfaces.

P.T.O.

3. Attempt the following questions : 10
- (a) Explain Multithreading Model.
 - (b) Explain Priority scheduling algorithm.
4. Attempt the following questions : 10
- (a) Explain contiguous memory technique.
 - (b) Explain paged memory technique.
5. Attempt the following questions : 10
- (a) Explain in detail sequential and direct accessing method in file system.
 - (b) Explain in detail allocation method in file system.