

This question paper contains 2 printed pages]

CA—1002—2025

FACULTY OF ALL

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

NOVEMBER/DECEMBER, 2025

(NEP-2020 Pattern)

INDIAN KNOWLEDGE SYSTEM

Paper IKS-1101

(Undergraduate level students studying across all faculties)

(Tuesday, 11-11-2025)

Time : 10.00 a.m. to 12.00 noon

Time—Two Hours

Maximum Marks—30

- N.B. :—*
- (i) All questions carry equal marks.
 - (ii) Question No. 1 is compulsory.
 - (iii) Attempt any *two* of the remaining four questions (Q. Nos. 2 to 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 (प्रश्न क्र. 2 ते प्रश्न क्र. 5) कोणतेही दोन प्रश्न सोडवा.
 - (iv) उजवीकडील अंक पूर्ण गुण दर्शवितात.

1. Solve the following questions (2.5 marks each) : 10
 - (a) What is the main objective of the Indian Knowledge System ?
 - (b) What is the difference between Astika and Nastika traditions ?
 - (c) Who were the ancient Indian dramatists ? Describe their plays and contributions.
 - (d) Write any *two* ancient methods of water conservation.

P.T.O.

खालील प्रश्न सोडवा (प्रत्येकी 2.5 गुण) :

- (अ) भारतीय ज्ञान प्रणालीचे मुख्य उद्दिष्ट काय आहे ?
- (ब) आस्तिक व नास्तिक संप्रदाय यांमध्ये काय फरक आहे ?
- (क) प्राचीन भारतीय नाटककार कोण होते ? त्यांच्या नाटकांचे आणि योगदानाचे वर्णन करा.
- (ड) जलसंधारणासाठी प्राचीन काळातील दोन पद्धती लिहा.

2. Discuss the structure and outcomes of the Gurukul tradition in the ancient education system. 10

प्राचीन शिक्षण पद्धतीतील गुरुकुल परंपरेची रचना आणि परिणामांची चर्चा करा.

3. Place and compare the positions of Buddhism, Jainism and Charvaka in the Nastika (non-orthodox) traditions of Indian philosophy. 10

भारतीय तत्त्वज्ञानातील नास्तिक परंपरेत बौद्ध, जैन आणि चार्वाक यांचे स्थान मांडून त्यांची तुलना करा.

4. According to Indian philosophy, what is Purushartha and what are its four main aspects ? Explain the significance of these four Purusharthas and how they impact life. 10

भारतीय तत्त्वज्ञानानुसार पुरुषार्थ म्हणजे काय आणि त्याचे चार प्रमुख अंग कोणती आहेत ? या चार पुरुषार्थांचे महत्त्व आणि त्यांचा जीवनावर कसा प्रभाव पडतो, हे स्पष्ट करा.

5. Elaborate on the development of astronomy during the Vedic and post-Vedic periods. 10

वैदिक व उत्तरवैदिक काळातील खगोलशास्त्राचा विकास विशद करा.

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CA—01—2025

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

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

NOVEMBER/DECEMBER, 2025

(NEP-2020)

ENGLISH (Compulsory)

Paper HENGAEC-1101

(Developing Spoken Communication–I)

(Thursday, 13-11-2025)

Time : 10.00 a.m. to 12.00 noon

Time—Two 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) Body language

(ii) Question tags

(iii) Compering

(iv) Principles of effective conversation.

P.T.O.

2. Explain the types of verbal communication. 10
3. Write *five* common self-introduction questions along with their answer, covering the following points : 10
name, address, education, food habits and hobbies.
4. What is a welcome speech ? Explain the important tips for an effective welcome speech. 10
5. Your college is planning a trip to Deogiri Fort. Write a conversation in which you convince your friend to join the trip. 10

This question paper contains 2 printed pages]

CA—11—2025

FACULTY OF HUMANITIES

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

NOVEMBER/DECEMBER, 2025

MARATHI (MIL)

Paper AEC MAR-1101

(गद्य, पद्य व उपयोजित मराठी-I)

(Saturday, 15-11-2025)

Time : 10.00 a.m. to 12.00 noon

Time—Two Hours

Maximum Marks—30

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

(ii) सर्व प्रश्नांना समान गुण आहेत.

1. थोडक्यात टिपा लिहा :

10

(अ) इतिवृत्ताचे स्वरूप

(ब) 'काळ्या तोंडाची' कथेतील चंपी

(क) 'महाराजा सयाजीराव गायकवाड' यांचे कार्ये

(ड) 'अंदाज आरशाचा' मधील प्रेमाविष्कार.

P.T.O.

पुढील प्रश्न क्रमांक 2 ते 5 यामधील कोणतेही दोन प्रश्न सोडवा : 20

2. ताराबाई शिंदे यांनी निबंधातून स्त्रीवर होणाऱ्या अन्यायाचे वर्णन कसे केले आहे ? ते लिहा.
3. लेखकाच्या जीवन संघर्षाचे चित्रण 'प्रयत्नवादी-जीवनप्रवास' या पाठाधारे विशद करा.
4. दिनकर साळवे यांच्या कवितेतून स्त्री जीवनाचे दुःख कसे प्रकट झाले आहे ते स्पष्ट करा.
5. कार्यालयीन पत्रलेखनाचे स्वरूप विशद करा.

This question paper contains 2 printed pages]

CA—10—2025

FACULTY OF HUMANITIES

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

NOVEMBER/DECEMBER, 2025

HINDI (MIL)

(Sahitya Kalash Aur Vyavaharic Hindi Part-I)

HHINMIL-1101

(साहित्य कलश और व्यावहारिक हिंदी भाग-I)

(Saturday, 15-11-2025)

Time : 10.00 a.m. to 12.00 noon

Time—Two 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) 'सरहद के इस पार कहानी' का रेहान

(ब) हरिवंशराय बच्चन का सामान्य परिचय

(क) ब्लॉग लेखन का अर्थ

(ड) दूरदर्शन के विज्ञापन की विशेषताएँ।

P.T.O.

WT

(2)

CA—10—2025

2. 'पंच परमेश्वर' कहानी की कथावस्तु लिखिए। 10
3. 'नर हो, न निराश करो मन को', कविता में व्यक्त संदेश पर प्रकाश डालिए। 10
4. ब्लॉग लेखन की उपयोगिता लिखिए। 10
5. आकाशवाणी के विज्ञापन की विशेषताएँ लिखिए। 10

CA—10—2025

2

Total No. of Printed Pages:01

SUBJECT CODE NO –NEPGK-101-2025
FACULTY OF SCIENCE AND TECHNOLOGY
EXAMINATION WINTER 2025
B.SC (FIRST YEAR) (SEM-I)
DATA SCIENCE
DATA ANALYSIS WITH EXCEL

[Time: 2:00 Hours]

[Max.Marks:30]

“Please check whether you have got the right question paper.”

N.B. I Question paper consists of 5 question, each of 10 marks.

II Question No. 1 is compulsory

III Solve any two from Q.2 to Q.5

- Q.1 Attempt the following (2.5 Marks each) 10**
- a) What is Data Pre-processing? Why is it required?
 - b) Explain advanced charting techniques in Excel with examples.
 - c) Explain Sorting in Excel and its different types.
 - d) Explain what-if analysis and its importance in decision-making.
- Q.2 Attempt the following question: 10**
- a) Explain the steps for importing CSV data into Excel and formatting it.
 - b) Explain how Hypothesis Testing can be applied in business decision-making using Excel.
- Q.3 Attempt the following question: 10**
- a) Explain best practices to clean and validate data before analysis.
 - b) Explain steps to create and customize a PivotTable report.
- Q.4 Attempt the following question: 10**
- a) Explain Goal Seek and Scenario Manager with their differences.
 - b) Explain how Solver can be used for resource allocation or cost minimization problems.
- Q.5 Attempt the following question: 10**
- a) Explain how Power Query can automate data transformation tasks.
 - b) Explain how to perform Correlation and Regression Analysis using Excel functions.

Total No. of Printed Pages:01

SUBJECT CODE NO- NEPGK-102-2025
FACULTY OF SCIENCE AND TECHNOLOGY
EXAMINATION WINTER 2025
B.SC (FIRST YEAR) (SEM-I)
DATA SCIENCE
WEB TECHNOLOGY

[Time: 2:00 Hours]

[Max.Marks:30]

“Please check whether you have got the right question paper.”

- N.B.
1. Question number 1 is compulsory.
 2. Solve Any Two from question number 2 to 5.

- Q.1 Attempt the following** **10**
- a) Explain Unordered List with example.
 - b) Explain Paragraph, BR Tag.
 - c) Explain FTP with Diagram.
 - d) write note on Introduction to HTML 5
- Q.2 Attempt the following** **10**
- a) Explain Table in HTML & All Attributes.
 - b) Write Program Using Oder list with All Attributes.
- Q.3 Attempt the following** **10**
- a) Explain Advantage and Disadvantages
 - b) Explain Marquee Tag with Attributes.
- Q.4 Attempt the following** **10**
- a) Explain Structure of HTML in details.
 - b) Write A Note On IDE applications of HTML.
- Q.5 Attempt the following** **10**
- a) Elements in HTML 5
 - b) Explain Creating Form

Total No. of Printed Pages:01

SUBJECT CODE NO- NEPGK-103-2025
FACULTY OF SCIENCE AND TECHNOLOGY
EXAMINATION WINTER 2025
B.SC (FIRST YEAR) (SEM-I)
DATA SCIENCE
PROGRAMMING WITH PYTHON

[Time: 2:00 Hours]

[Max.Marks:30]

“Please check whether you have got the right question paper.”

N.B. I Question paper consists of 5 question, each of 10 marks.

II Question No. 1 is compulsory

II Solve any two from Q. 2 to Q.5

- Q.1 Attempt the following (2.5 Marks each) 10**
- a) Explain Environment Variables in Python.
 - b) What is variable in python?
 - c) What is comparison operator?
 - d) Describe module in python.
- Q.2 Attempt the following question: (5 Marks each) 10**
- a) Explain looping statement in python.
 - b) Explain data type in python.
- Q.3 Attempt the following question: (5 Marks each) 10**
- a) Explain Installation process of python.
 - b) WAP to Display sum of 1 to 10 number
- Q.4 Attempt the following question: (5 Marks each) 10**
- a) Explain if-else statement in python.
 - b) What is function? Explain Passing argument to function.
- Q.5 Attempt the following question: (5 Marks each) 10**
- a) Explain standard module in python.
 - b) WAP to find the number is palindrome or not palindrome

This question paper contains 2 printed pages]

CA—1003—2025

FACULTY OF ALL

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

NOVEMBER/DECEMBER, 2025

(NEP-2020 Pattern)

VALUE EDUCATION

Paper VECCOI-1151

(Constitution of India)

(Wednesday, 12-11-2025)

Time : 10.00 a.m. to 12.00 noon

Time—Two Hours

Maximum Marks—30

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

(ii) Students are required to solve a total of *three* 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) विद्यार्थ्यांनी एकूण तीन प्रश्न सोडवणे आवश्यक आहे.

(iii) विद्यार्थ्यांनी चार प्रश्नांपैकी कोणतेही दोन प्रश्न सोडविणे आवश्यक आहे. (प्रश्न क्र.
2 ते प्रश्न क्र. 5)

1. Write short notes (All) (2.5 marks each) :

10

(a) Drafting Committee

(b) Preamble

P.T.O.

(c) Judicial Activism

(d) State List.

थोडक्यात टिपा लिहा (सर्व) (प्रत्येकी 2.5 गुण) :

(a) मसूदा समिती

(b) उद्देशपत्रिका

(c) न्यायालयीन सक्रियता

(d) राज्य सूची.

2. State the salient features of the Indian Constitution. 10

भारतीय संविधानाची प्रमुख वैशिष्ट्ये स्पष्ट करा.

3. Explain in detail the Fundamental Rights. 10

मुळभूत अधिकारांचे सविस्तर विवेचन करा.

4. Explain the powers and functions of the Indian Prime Minister. 10

भारताच्या पंतप्रधानाचे अधिकार व कार्ये स्पष्ट करा.

5. Describe Centre-State administrative relation. 10

केंद्र-राज्य प्रशासकीय संबंधाचे वर्णन करा.

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CA—24—2025

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

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

NOVEMBER/DECEMBER, 2025

ENGLISH (Compulsory)

Paper HENGAEC-1151

(Developing Written Communication—II)

(Monday, 17-11-2025)

Time : 10.00 a.m. to 12.00 Noon

Time—2 Hours

Maximum Marks—30

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

(2) Attempt any *two* questions from Question Nos. 2 to 5.

(3) Figures to the right indicate full marks.

1. Write short notes on : 10

(i) Run-on sentence

(ii) Outlining of an essay

(iii) Structure of a job application letter

(iv) Types of memos.

P.T.O.

This question paper contains 2 printed pages]

CA—04—2025

FACULTY OF HUMANITIES

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

NOVEMBER/DECEMBER, 2025

MARATHI (MIL)

Paper AECMAR-1151

(मराठी साहित्य आणि व्यावहारिक मराठी-II)

(Friday, 14-11-2025)

Time : 10.00 a.m. to 12.00 noon

Time—Two 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) गद्य म्हणजे काय ?

(ब) प्रवासवर्णन

(क) हायकू

(ड) जाहिरात.

P.T.O.

प्रश्न क्रमांक 2 ते 5 यापैकी कोणतेही दोन प्रश्न सोडवा.

2. 'रोमराज्य' या प्रवासवर्णनातून रोम शहराचे आलेले चित्रण लिहा. 10
3. 'हायकू' या कवितेतून आलेले शेतकरी जीवनातील संघर्षाचे स्वरूप सांगा. 10
4. बातमीलेखनाचे नियम सांगा. 10
5. 'वाटा-पळवाटा' या नाट्यांशातील घटना प्रसंगाचे वर्णन करा. 10

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CA—03—2025

FACULTY OF HUMANITIES

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

NOVEMBER/DECEMBER, 2025

HINDI (MIL)

HHINMIL-1151

(साहित्य कलश और व्यावहारिक हिंदी, भाग-2)

(Friday, 14-11-2025)

Time : 10.00 a.m. to 12.00 noon

Time—Two 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) कृषि क्षेत्र में कृत्रिम मेधा

(ब) 'वसीयतनामा' कहानी के वल्लभदास

(क) निर्मला पुतुल का सामान्य परिचय

(ड) पाठ से अनुवाद प्रणाली के उपयोग।

P.T.O.

WT

(2)

CA—03—2025

2. 'नेताजी का चश्मा' कहानी की मूल संवेदना लिखिए। 10
3. 'फर्क नहीं पड़ता' कविता का आशय लिखिए। 10
4. पाठ से वाक् प्रणाली की विशेषताएँ लिखिए। 10
5. कृत्रिम मेधा का महत्त्व समझाइए। 10

CA—03—2025

2

Total No. of Printed Pages:02

SUBJECT CODE NO- NEPGK-201-2025
FACULTY OF SCIENCE AND TECHNOLOGY
EXAMINATION WINTER 2025
B.SC (FIRST YEAR) (SEM-II)
DATA SCIENCE
DATA ANALYSIS WITH POWER BI-I

[Time: 2:00 Hours]

[Max.Marks:30]

“Please check whether you have got the right question paper.”

- N.B.
1. Question No. 1 is Compulsory.
 2. From Question 2 to 5 solve any two.
 3. Figures to the right indicate full marks.
 4. Assume suitable data, if necessary.
 5. Use of any electronic media such as mobile phone, digital diary, and electronic calculator is not permitted.

Q.1 Attempt the following (2.5 Marks each) 10

- a) Describe Importing Data from a Data Feed
- b) Explain Data Model.
- c) Importing Data from Analysis Services
- d) Explain Un-Pivoting Data.

Q.2 Attempt of the following (5 Marks each) 10

- a) What is power BI. Explain use of Power BI.
- b) Explain Power BI Interface in detail.

Q.3 Attempt of the following (5 Marks each) 10

- a) Explain Merging Data, Appending Data, Splitting Data with power Query.
- b) Explain Creating Table Relations in the data model.

Q.4 Attempt of the following (5 Marks each) 10

- a) Describe Data modelling and different types of relationship in Power BI.
- b) Explain Setting Up the Power BI Environment.

Q.5 Attempt of the following (5 Marks each)**10**

- a) Explain Transforming, Cleansing, and Filtering Data.
- b) Explain importing data from relational databases and text file.

Total No. of Printed Pages:02

SUBJECT CODE NO- NEPGK-202-2025
FACULTY OF SCIENCE AND TECHNOLOGY
EXAMINATION WINTER 2025
B.SC (FIRST YEAR) (SEM-II)
DATA SCIENCE
INTRODUCTION TO RDBMS

[Time: 2:00 Hours]

[Max.Marks:30]

“Please check whether you have got the right question paper.”

- N.B.
1. Question No. 1 is Compulsory.
 2. From Q.No. 2 to 5 solve any two.
 3. Figures to the right indicate full marks.
 4. Assume suitable data, if necessary.
 5. Use of any electronic media such as mobile phone, digital diary, and electronic calculator is not permitted..

Q.1 Attempt the following (2.5 Marks each) 10

- a) Explain the concept of Tuples.
- b) Write a note on Self Join.
- c) Explain the concept of Keys.
- d) What is SQL?

Q.2 Attempt of the following (5 Marks each) 10

- a) Explain Entity Relationship Model.
- b) Explain Database System Applications in detail.

Q.3 Attempt of the following (5 Marks each) 10

- a) Explain Mapping Cardinalities with E-R Diagrams.
- b) What is Normalization? Explain 1 NF in detail.

Q.4 Attempt of the following (5 Marks each) 10

- a) Explain the concept of Explicit Cursor.
- b) Write a note on Outer Join.

Q.5 Attempt of the following (5 Marks each)**10**

- a) Explain Select command in detail.
- b) Explain the concept of Before Trigger.

Total No. of Printed Pages:1

SUBJECT CODE NO:- NEPGK-203-2025
FACULTY OF SCIENCE & TECHNOLOGY
EXAMINATION WINTER 2025
B.SC. (DS) (FIRST YEAR) (SEM –II)
DATA SCIENCE
OPERATING SYSTEM (SDTSMT1152)

[Time: 2:00 Hours]

[Max.Marks:30]

“Please check whether you have got the right question paper.”

- N.B.
- i. Question paper consists of 5 question, each of 10 marks.
 - ii. Question No. 1 is compulsory
 - iii. Solve any two from Q. 2 to Q. 5

Q.1 Attempt the following (2.5 Marks each) 10

- a) What is operating System? Explain it
- b) What is process? Explain it.
- c) What is memory? Explain its functionalities.
- d) Explain file system.

Q.2 Attempt the following question: 10

- a) Explain an Operating System Resource Manager
- b) Explain Operating system services.

Q.3 Attempt the following question: 10

- a) Explain scheduling criteria
- b) Explain SJF scheduling algorithm.

Q.4 Attempt the following question: 10

- a) Explain single contiguous memory technique.
- b) What is Page? Explain paged memory technique

Q.5 Attempt the following question: 10

- a) Explain in detail accessing method in file system.
- b) Explain in detail free space management.