

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

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**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.

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**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

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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

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**SUBJECT CODE NO -NEPGD-101-2025**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**EXAMINATION WINTER 2025**  
**B.SC (FIRST YEAR) (SEM-I)**  
**COMPUTER SCIENCE**  
**LOGIC BUILDING WITH C**

[Time: 2:00 Hours]

[Max.Marks:30]

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

- N.B.
- 1) Questions paper will consist of 5 questions each of 10 marks.
  - 2) Question No. 1 is compulsory.
  - 3) Solve any TWO of remaining FOUR questions from Q. No. 2 to Q. No. 5.

- Q.1 Solve the following questions. (2.5-Marks Each) 10**
- a) Explain the logical operators.
  - b) What is Array?
  - c) Explain the break and continue.
  - d) Explain the Machine language
- Q.2 Solve the following questions. (5-Marks each) 10**
- a) Explain the Compilers and Interpreters.
  - b) Write a algorithm for addition of two numbers. Consider A=10 and B=15.
- Q.3 Solve the following questions. (5-Marks each) 10**
- a) What is Flowcharts? Explain the Flowcharts symbols.
  - b) Explain the Structure of a C program with example.
- Q.4 Solve the following questions. (5-Marks each) 10**
- a) Explain the Nested if-else Statement with example.
  - b) Write a program to read a positive number and find the factorial.
- Q.5 Solve the following questions. (5-Marks each) 10**
- a) What is Array? Explain the one dimensional-Array with example.
  - b) Write a program to read 10-array elements and sort it.

Total No. of Printed Pages:1

**SUBJECT CODE NO:- NEPGD-102-2025**  
**FACULTY OF SCIENCE & TECHNOLOGY**  
**EXAMINATION WINTER 2025**  
**B.Sc.(FIRST YEAR) (SEM –I)**  
**COMPUTER SCIENCE**  
**WEB TECHNOLOGY**

[Time: 2:00 Hours]

[Max.Marks:30]

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

- N.B.
- Q.No. 1 is compulsory
  - From Q.No.2 to Q.No.5 solve **any two** questions

- Q.1** Solve the following questions. **10**
- What is internet?
  - What is tags & attributes in HTML.
  - Explain web browser
  - Write HTML program to demonstrate image tag.
- Q.2** Solve The Following Questions. **10**
- Explain IDE applications on HTML.
  - Explain Client Side programming
- Q.3** Solve the following question **10**
- Explain Structure of HTML
  - Write a program in HTML to demonstrate heading & paragraph tags.
- Q.4** Solve the following questions. **10**
- Explain frame tag in HTML.
  - Explain form tag with example.
- Q.5** Solve the following questions. **10**
- Explain HTMLS.
  - Explain advantages & disadvantages of HTMLS.

Total No. of Printed Pages:01

**SUBJECT CODE NO- NEPGD-103-2025**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**EXAMINATION WINTER 2025**  
**B.SC (FIRST YEAR) (SEM-I)**  
**COMPUTER SCIENCE**  
**COMPUTER NETWORK**

[Time: 2:00 Hours]

[Max.Marks:30]

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

- N.B. 1) Questions Paper will consist of 5 questions each of 10 marks.  
 2) Question No. 1 is Compulsory.  
 3) Solve any TWO of the remaining FOUR Questions from Q. No. 2 To Q. No.5

- Q.1 Solve the following Questions. (2.5- Marks Each) 10**
- Explain Fiber Optic Cable in Detail.
  - Explain IP-address in Detail.
  - Explain SMTP in Detail.
  - Explain Repeaters in Detail.
- Q.2 Solve the following Questions. (5- Marks Each) 10**
- What is Computer Network? Explain Analog & Digital Signal.
  - What is Topology? Explain Star topology in detail.
- Q.3 Solve the following Questions. (5- Marks Each) 10**
- What is Ethernet? Explain Types of Ethernet.
  - Explain Internet verses Intranet.
- Q.4 Solve the following Questions. (5- Marks Each) 10**
- Explain OSI/ISO Reference Model.
  - What is Switching? Explain Packet Switching.
- Q.5 Solve the following Questions. (5- Marks Each) 10**
- Explain WiFi vs WiMax.
  - Explain Internet Of Things (IOT) in detail.

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**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.

WT

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2. "Punctuation marks are essential in writing." Explain. 10
3. Describe the structure and essential features of report writing. 10
4. Prepare a resume for the post of Bank Manager, highlighting the key components such as contact information, career objective, education, skills, work experience, and other relevant sections. 10
5. Write a notice informing students about the Diwali vacation, including all the essential components of a notice. 10

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**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

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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

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**SUBJECT CODE NO- NEPGD-201-2025**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**EXAMINATION WINTER 2025**  
**B.SC (FIRST YEAR) (SEM-II)**  
**COMPUTER SCIENCE**  
**OOP'S USING C++**

[Time: 2:00 Hours]

[Max.Marks:30]

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

- N.B.
1. First Question is compulsory
  2. Solve any two questions from Q.No 2 to Q.No 5
  3. Assume suitable data if necessary.

**Q.1 Attempt the following**

**10**

- A) Distinguish between variable and constant with example.
- B) What is Inline function? Give one example.
- C) What is Operator Overloading?
- D) what are manipulators in C++.

**Q.2 Attempt the following**

**10**

- A) Explain Structure of a C++ program.
- B) Explain any two Looping Statements with example

**Q.3 Attempt the following**

**10**

- A) Explain Function Overloading with suitable example.
- B) Explain visibility modes in C++.

**Q.4 Attempt the following**

**10**

- A) What is Inheritance? Explain Types of Inheritance.
- B) Write a C++ program to demonstrate use of Polymorphism.

**Q.5 Attempt the following**

**10**

- A) Explain unformatted i/o operations in C++.
- B) Explain the file modes in C++.

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**SUBJECT CODE NO- NEPGD-202-2025**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**EXAMINATION WINTER 2025**  
**B.SC (FIRST YEAR) (SEM-II)**  
**COMPUTER SCIENCE**  
**DATA STRUCTURE**

[Time: 2:00 Hours]

[Max.Marks:30]

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

- N.B.
1. All questions carry equal marks.
  2. Question no. 1 is compulsory
  3. From Q.No.2 to Q.No. 5 Solve any Two questions

- Q.1 Answer the following questions. (2.5 marks each Question) 10**
- a) Explain Data Structure Operations.
  - b) What is Bubble Sort.
  - c) Explain Priority Queue.
  - d) Explain Terminology of Binary Tree..
- Q.2 Answer the following questions. 10**
- a) Write an algorithm to traverse the linear Array.
  - b) Explain Data Structure Operations.
- Q.3 Answer the following questions. 10**
- a) Explain the Selection Sort.
  - b) Discuss the Concept of Garbage Collection.
- Q.4 Answer the following questions. 10**
- a) Explain Arithmetic Expression
  - b) What is Queue? Explain various operations of Queues.
- Q.5 Answer the following questions. 10**
- a) Explain the different Types of Binary Tree.
  - b) Write Short note on General Tree.

Total No. of Printed Pages:1

**SUBJECT CODE NO:- NEPGD-203-2025**  
**FACULTY OF SCIENCE & TECHNOLOGY**  
**EXAMINATION WINTER 2025**  
**B.SC. (CS) (FIRST YEAR) (SEM –II)**  
**COMPUTER SCIENCE**  
**RDBMS ( SCSCMT-1152)**

**[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 questions.
  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) Write in brief Database-System Applications.
- b) Write a short note on First Normal Form.
- c) What is DML?
- d) Explain Cursors concept.

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

- a) Explain the Domains Concept in Database system.
- b) What is key? Explain with suitable example concept of super key and primary key.

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

- a) Elaborate different CODD's Rule.
- b) What is Normalization? Explain 2NF with suitable example

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

- a) Write the use, syntax and example of following DDL statements:
  - i) CREATE TABLE
  - ii) ALTER TABLE
  - iii) DROP TABLE
- b) Explain the concept of sub-queries with suitable example.

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

- a) Explain Database Triggers concept.
- b) Write the use, syntax and example of following statements:
  - i) Commit
  - ii) Rollback