

This question paper contains 2 printed pages]

HA—24—2026

FACULTY OF HUMANITIES

B.A. (NEP) (Third Semester) EXAMINATION

APRIL/MAY, 2026

COMPULSORY ENGLISH

HENGAC-1201

(Comprehension and Grammar-I)

(Tuesday, 7-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

N.B. :— (i) All questions carry equal marks.

(ii) Question No. 1 is compulsory.

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

1. Attempt the following short notes :

10

(a) Ratnam

(b) Teacher Samuel

(c) Central Idea in The Road Not Taken

(d) Helping Verbs

P.T.O.

2. Discuss Mr. Ratnam's Trick to test the honesty of his new salesman in your own words. 10
3. 'Background Casually' is a close self-analysis of the person who feels himself in an alien world'. Discuss. 10
4. Describe Swami Vivekananda's boat journey in your own words. 10
5. Discuss simple present, simple past and simple future tense with suitable examples. 10

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HA—03—2026

FACULTY OF ARTS

B.A. (NEP) (Third Semester) EXAMINATION

APRIL/MAY, 2026

MARATHI (MIL)

Paper III (AECMAR-1201)

(मराठी साहित्य)

(Saturday, 4-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

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

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

(iii) सर्व प्रश्नांना समान गुण आहेत.

1. पुढील टिपा थोडक्यात लिहा :

10

(i) 'नवा शिपाई' मधील समतेचा विचार

(ii) 'मेखमारो' मधील रखमाजी

(iii) यशोधरा

(iv) लोकशाहीचे भवितव्य.

P.T.O.

2. प्रज्ञा दया पवार यांनी सावित्रीबाईंच्या विचार आणि कार्याचे महत्व कशाप्रकारे सांगितले आहे, ते लिहा. 10
3. 'मरीआईचा गाडा' ही कथा वैज्ञानिक दृष्टिकोन रुजविणारी आहे' स्पष्ट करा. 10
4. म. जोतीराव फुले यांच्या बहुआयामी व्यक्तिमत्वाचे भावचित्र 'मनातले जोतीराव' या लेखाधारे विशद करा. 10
5. शहीद भगतसिंहांचे वडिलांना लिहिलेल्या पत्रातील विचार थोडक्यात लिहा. 10

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NEPJJ—301—2026

FACULTY OF SCIENCE AND TECHNOLOGY

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

APRIL/MAY, 2026

(NEP-2020)

SOFTWARE ENGINEERING

Paper—SSFECT-1201

(OOPS with JAVA)

(Thursday, 9-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

- N.B. :-*
- (i) Question No. 1 is compulsory.
 - (ii) From Q. No. 2 to Q. No. 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) What is TypeCasting ?
 - (b) Define Wrapper Classes.
 - (c) Describe user defined packages.
 - (d) Explain Java features.

P.T.O.

2. Attempt the following (5 marks each) : 10
- (a) Explain basic concepts of OOPs.
 - (b) Describe variables and its types with example.
3. Attempt the following (5 marks each) : 10
- (a) Describe Java Operators.
 - (b) Explain Command Line arguments in detail.
4. Attempt the following (5 marks each) : 10
- (a) Explain Inheritance types in detail.
 - (b) Describe user defined exception with example.
5. Attempt the following (5 marks each) : 10
- (a) Write a program to demonstrate use of Interface.
 - (b) Write a program to demonstrate Exception handling.

Total No. of Printed Pages: 01

SUBJECT CODE NO- NEPJJ-302-2026
FACULTY OF SCIENCE AND TECHNOLOGY
EXAMINATION SUMMER 2026
B.SC. (SECOND YEAR) (SEM-III)
SOFTWARE ENGINEERING
COMPUTER NETWORK (SSFECT-1202)

[Time: 2:00 Hours]

[Max. Marks:30]

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

- N.B.
- (i) Question No. 1 is compulsory.
 - (ii) From Q. No. 2 to Q. No. 5 solve any 2 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 dairy and electronic calculator is not permitted.

- Q.1 Attempt the following (2.5 marks each) : 10**
- a) Explain TCP vs UDP.
 - b) Explain IOT.
 - c) Explain ARP protocol.
 - d) Explain DNS.
- Q.2 Attempt the following. (5 marks each) 10**
- a) Explain Multiplexing and DE multiplexing.
 - b) Explain Unguided data transmission Media.
- Q.3 Attempt the following. (5 marks each) 10**
- a) Define network topology.
 - b) Explain IP address in detail.
- Q.4 Attempt the following. (5 marks each) 10**
- a) Explain Circuit and Packet switching.
 - b) Explain SDN technology in detail.
- Q.5 Attempt the following. (5 marks each) 10**
- a) Explain OSI reference model.
 - b) Explain Circuit and Packet switching.

This question paper contains 2 printed pages]

NEPJJ—303—2026

FACULTY OF SCIENCE AND TECHNOLOGY

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

APRIL/MAY, 2026

(NEP-2020)

SOFTWARE ENGINEERING

Paper—SSFEMT-1201

(PHP and MySQL)

(Wednesday, 15-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

- N.B. :-*
- (i) Question No. 1 is compulsory.
 - (ii) From Q. No. 2 to Q. No. 5, solve any 2 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 Introduction to PHP language.
 - (b) Explain Data types in PHP.
 - (c) Explain defining and calling a custom function in PHP.
 - (d) Explain Connection with MySQL Database.

P.T.O.

2. Attempt the following (5 marks each) : 10
- (a) Explain Sending Data to the Web Browser in PHP.
 - (b) Explain Sending Data to PHP using HTML Form.
3. Attempt the following (5 marks each) : 10
- (a) Explain Including Multiple Files in PHP.
 - (b) Explain Inserting records into MySQL table with example.
4. Attempt the following (5 marks each) : 10
- (a) Explain types of arrays in PHP with example.
 - (b) Explain Selecting records from MySQL table and displaying it in HTML.
5. Attempt the following (5 marks each) : 10
- (a) Explain Operators in PHP.
 - (b) Explain concept of Sessions and Cookies in PHP.

This question paper contains 2 printed pages]

HA—16—2026

FACULTY OF HUMANITIES

B.A. (NEP) (Fourth Semester) EXAMINATION

APRIL/MAY, 2026

ENGLISH (Compl.)

(Comprehension and Grammar-II)

(Monday, 6-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

N.B. :— (i) All questions carry equal marks.

(ii) Question No. 1 is compulsory.

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

1. Write short notes on :

10

(a) Character sketch of Ali

(b) The quarrel between Malasha and Akoulya

(c) Concept of equality in 'The Mountain and the Squirrel'.

(d) Uses of 'would'.

P.T.O.

2. Discuss the theme of loneliness and grief in the story 'Letter' by Dhumketu. 10
3. Justify the title 'Little Girls Wiser than Men'. 10
4. 'There will come soft Rains' describe the dangers of technology obsessed society. Discuss. 10
5. Explain with suitable examples the uses of modal auxiliaries 'can', 'could', 'may' and 'might'. 10

This question paper contains 2 printed pages]

HA—1004—2026

FACULTY OF ARTS/COMMERCE/SCIENCE

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

APRIL/MAY, 2026

VALUE EDUCATION

VECEVS-1251

(Environmental Studies)

(Compulsory)

(Thursday, 2-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

N.B. :- (i) All questions carry equal marks.

सर्व प्रश्नांना समान गुण आहेत.

(ii) Question No. 1 is compulsory.

प्रश्न क्रमांक 1 अनिवार्य आहे.

(iii) Solve any *two* questions from Q. No. 2 to Q. No. 5.

प्रश्न क्र. 2 ते प्रश्न क्र. 5 कोणतेही दोन प्रश्न सोडवा.

1. Write short notes on the following (2.5 marks each) :

10

खालील प्रश्नांवर थोडक्यात टिपा लिहा (प्रत्येकी 2.5 गुण) :

(a) Flood

पूर

(b) Soil erosion

जमिनीची धूप

P.T.O.

- (c) Food web
अन्नजाळे
- (d) Deforestation.
जंगलतोड.
2. Explain the renewable and non-renewable resources with suitable examples. 10
क्षयक्षम व अक्षयक्षम साधनसंपत्ती म्हणजे काय ? उदाहरणासह स्पष्ट करा.
3. Define environment. Discuss the need for public awareness in environmental protection. 10
पर्यावरणाची व्याख्या लिहा. पर्यावरणाच्या संरक्षणात जनजागृतीची गरज यावर चर्चा करा.
4. What is water pollution ? Describe the causes and effects of water pollution. 10
जल प्रदूषण म्हणजे काय ? जल प्रदूषणाची कारणे व परिणाम विशद करा.
5. Discuss in detail energy flow in ecosystem. 10
परिसंस्थेतील उर्जाप्रवाह याची सविस्तर चर्चा करा.

This question paper contains 2 printed pages]

HA—26—2026

FACULTY OF HUMANITIES

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

APRIL/MAY, 2026

HINDI (MIL)

Paper-IV—HHINMIL-1251

(गद्य विविधा भाग-2)

(Wednesday, 8-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

N.B. :— (i) प्रश्न क्रमांक 1 अनिवार्य है।

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

(iii) सभी प्रश्नों के अंक समान हैं।

1. टिप्पणियाँ लिखिए (प्रति टिप्पणी 2½ अंक) :

10

(अ) राकेश अचल का व्यक्तित्व कृतित्व

(ब) रेडियो नाटक विधा का परिचय

(क) 'पत्थरबाबू' कहानी का उद्देश्य

(ड) 'अठतल्ले से गिर गए खेत बाबु' कहानी का रतन

P.T.O.

निम्नलिखित में से किन्हीं दो (2) प्रश्नों के दीर्घोत्तरीय उत्तर लिखिए :

2. 'सिन्दबाद की अन्तिम यात्रा' की मूल संवेदना स्पष्ट कीजिए। 10
3. 'संस्कृति का स्वरूप' लेख का आशय प्रस्तुत कीजिए। 10
4. 'सूर्यास्त के पहले' रेडियो नाटक में मानवीय संवेदना को बताइए। 10
5. 'पत्थरबाज' कहानी में असलम का चरित्र-चित्रण कीजिए। 10

This question paper contains 2 printed pages]

HA—27—2026

FACULTY OF ARTS/COMMERCE/SCIENCE

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

APRIL/MAY, 2026

MARATHI (MIL)

(AECMAR-1251)

(मराठी भाषिक उपयोजन-IV)

(Wednesday, 8-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

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

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

(iii) सर्व प्रश्नांना समान गुण आहेत.

1. पुढील टिपा थोडक्यात लिहा :

10

(i) सूत्रसंचालनाचे स्वरूप

(ii) चरित्रात्मक मुलाखत

(iii) टिप्पणी लेखन—संकल्पना

(iv) रोजनिशी लेखनाची भाषा.

P.T.O.

2. प्रभावी सूत्रसंचालकाचे गुणविशेष सविस्तर लिहा. 10
3. मुलाखत म्हणजे काय ते सांगून मुलाखतीला सामोरे जाताना कोणती काळजी घ्यावी ते स्पष्ट करा. 10
4. टिप्पणी लेखनाचे महत्व विशद करा. 10
5. रोजनिशी लेखनाचे विशेष स्पष्ट करा. 10

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NEPJJ—401—2026

FACULTY OF SCIENCE AND TECHNOLOGY

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

APRIL/MAY, 2026

(NEP-2020)

SOFTWARE ENGINEERING

Paper—SSFECT-1251

(Programming in C#)

(Friday, 10-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

N.B. :— (i) Question No. 1 carries 2.5 marks each.

(ii) Question No. 1 will be compulsory.

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

(iv) Assume suitable data, wherever necessary.

1. Attempt the following questions :

10

(a) Define C# Syntax.

(b) Explain Functions in C#.

(c) Explain ListBox.

(d) What is .NET Core ?

P.T.O.

2. Attempt the following questions : 10
- (a) Explain Operators in C#.
 - (b) Explain Variables and Datatypes.
3. Attempt the following questions : 10
- (a) Explain :
 - (i) Array
 - (ii) ArrayList.
 - (b) Explain Creating class, methods and object.
4. Attempt the following questions : 10
- (a) Explain TextBox and Label Control.
 - (b) Explain developing a Simple ADO.NET based application.
5. Attempt the following questions : 10
- (a) Explain creating models using 'CodeFirst approach'.
 - (b) Explain Introduction to Models.

This question paper contains 2 printed pages]

NEPJJ—402—2026

FACULTY OF SCIENCE AND TECHNOLOGY

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

APRIL/MAY, 2026

(NEP-2020)

SOFTWARE ENGINEERING

Paper—SSFECT-1252

(Operating System)

(Monday, 13-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

- N.B. :-*
- (i) Question No. 1 is compulsory.
 - (ii) From Q. No. 2 to Q. No. 5, solve any 2 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
- (a) Define Operating System. List the objectives of Operating System.
 - (b) Define Memory. Explain the types of memory.
 - (c) Define Process Scheduling.
 - (d) Define Deadlock.

P.T.O.

2. Attempt the following : 5 marks each
- (a) Explain the different components of operating system in detail.
 - (b) Explain the different Memory allocation strategies in detail.
3. Attempt the following : 5 marks each
- (a) Explain the different Operating systems generations in detail.
 - (b) Explain the Round-Robin scheduling algorithm in detail.
4. Attempt the following : 5 marks each
- (a) Explain the different components of operating system in detail.
 - (b) Explain a general model of file system in detail.
5. Attempt the following : 5 marks each
- (a) Explain the Internal and External fragmentation in detail.
 - (b) Explain the different techniques for device management in detail.

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NEPJJ—403—2026

FACULTY OF SCIENCE AND TECHNOLOGY

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

APRIL/MAY, 2026

(NEP-2020)

SOFTWARE ENGINEERING

Paper—SSFEMT-1251

(Thursday, 16-4-2026)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—30

- N.B. :-*
- (i) Question No. 1 is compulsory.
 - (ii) From Q. No. 2 to Q. No. 5, solve any 2 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 evolving of software.
 - (b) What is Requirements Specification (SRS) document ?
 - (c) Explain Software Design Process.
 - (d) What are the core principles of Agile software development ?

P.T.O.

2. Attempt the following (5 marks each) : 10
- (a) What is validating testing ? Explain in detail.
 - (b) Explain the waterfall model in detail.
3. Attempt the following (5 marks each) : 10
- (a) What is the difference between black-box and while-box testing ?
 - (b) Explain software Quality Assurance in detail.
4. Attempt the following (5 marks each) : 10
- (a) What is a spiral model ? Explain its advantages and disadvantages.
 - (b) Explain generic software process framework.
5. Attempt the following (5 marks each) : 10
- (a) What is Risk Management ?
 - (b) What is evolutionary process model ?