

Seat No.	
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Set **P**

**B.Sc. (E.C.S.) (Semester - I) (New) (NEP CBCS) Examination:
March/April - 2025
Office Automation (G06-GE-OE-101)**

Day & Date: Wednesday, 30-April-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose correct alternative: (MCQ) 06

- 1) What is the function of CTRL+R in MS-Word?
 - a) open the print dialog box
 - b) update the current web page
 - c) close the current window
 - d) none of these
- 2) Which shortcut keys is used to check spell check?
 - a) f1
 - b) f2
 - c) f7
 - d) f5
- 3) The minimum number of rows and column in word table are _____.
 - a) 0 rows & 0 column
 - b) 1 rows & 1 column
 - c) 2 rows & 1 column
 - d) 1 rows & 2 column
- 4) What is MS Excel?
 - a) Spreadsheet
 - b) Database Management
 - c) Presentation
 - d) Workbook
- 5) _____ type of chart is good for a single series of data.
 - a) Column chart
 - b) Cone chart
 - c) Line chart
 - d) Pie chart
- 6) Which of the following is the file extension of the PowerPoint application?
 - a) .ppt
 - b) .jpg
 - c) .html
 - d) .docs

Q.2 Answer the following questions. (Any Three) 06

- 1) State advantage of computer.
- 2) Draw block diagram of computer.
- 3) State mathematical function in MS-Excel.
- 4) Write the procedure to save the file in MS-Word.

Q.3 Answer the following. (Any Two) 06

- a) Explain mail merge with example.
- b) Explain setting page style with all option.
- c) Explain the Sheet formatting and style.

Q.4 Answer the following. (Any Two) **06**

- a) Explain entering and deleting data in MS-Excel.
- b) How to insert table in MS-Word? Give one example.
- c) Explain formatting documents in MS-Word.

Q.5 Answer the following. (Any One) **06**

- a) How to draw charts in MS-Excel? Explain the types of chart with example.
- b) Explain different presentation templates & how to adding effects to the presentation.

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Set **P**

**B.Sc. (E.C.S.) (Semester - I) (New) (NEP CBCS) Examination:
March/April - 2025
English
English for Communication (ENG-101)**

Day & Date: Friday, 02-May-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose the correct alternatives:**06**

- 1) When is the communication process complete?
 - a) When the sender transmits the message
 - b) When the message enters the channel
 - c) When the message leaves the channel
 - d) When the receiver understands the message
- 2) _____ communication is the expression of information through language which is composed of words and grammar.
 - a) Non-verbal
 - b) Verbal
 - c) Semantic
 - d) Social
- 3) In a group discussion, one must communicate with _____.
 - a) Hostility
 - b) Ignorance
 - c) Knowledge
 - d) long sentences
- 4) When is the worst time to break into a discussion?
 - a) When everyone is silent
 - b) When one person is talking
 - c) When two or three people are talking simultaneously
 - d) When there is less time left
- 5) A job interview is a formal meeting between a job seeker and an employer.
 - a) True
 - b) False
- 6) Which of these should be avoided in an interview?
 - a) Attentiveness
 - b) Accuracy
 - c) Negative attitudes
 - d) Clarity

Q.2 Answer the following. (Any Two)**06**

- a) Define Communication and its process.
- b) Explain the concept of Verbal and Non-Verbal Communication.
- c) Do's and Don'ts of Interview.
- d) What are skills evaluated during group discussion?

Q.3 Write Short Notes. (Any One) **06**

- a) Explain 7 Cs of Communication.
- b) What is mean by Communication and explain its barriers to Communication?

Q.4 Answer the following. (Any One) **12**

- a) What is group discussion? Explain Do's and don'ts of group discussion.
- b) Define Interview and write in detail about How to face Interviews.

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**B.Sc. (E.C.S.) (Semester - I) (New) (NEP CBCS) Examination:
March/April – 2025
IKS
Indian Knowledge System/ General IKS (G06-IKS-101)**

Day & Date: Saturday, 03-May-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose the correct alternatives from the options. 06

- 1) Which of the following is a feature of the Vedic philosophical systems?
 - a) Rejection of rituals
 - b) Emphasis on ethics alone
 - c) Acceptance of the authority of the Vedas
 - d) Focus on human-centered philosophy
- 2) Which philosophy emphasized non-violence (ahimsa) and self discipline for liberation?
 - a) Jainism
 - b) Buddhism
 - c) Yoga
 - d) Nyaya
- 3) What was the significant contribution of the Bodhayana Sutra in ancient Indian mathematics?
 - a) Development of algebra
 - b) Calculation of square roots
 - c) The concept of zero
 - d) Introduction of calculus
- 4) Which traditional Indian medical system emphasizes the balance of bodily elements (doshas)?
 - a) Unani
 - b) Ayurveda
 - c) Homeopathy
 - d) Naturopathy
- 5) What is one of the primary practices of sustainability in traditional Indian agriculture?
 - a) Monocropping
 - b) Crop rotation
 - c) Use of chemical pesticides
 - d) Large-scale mechanization
- 6) What was the role of sacred groves in ancient India?
 - a) To serve as places of worship and environmental conservation
 - b) To serve as agricultural fields
 - c) To serve as military bases
 - d) To serve as market places

- Q.2 Answers the following question. (Any Three) 06**
- a) What were the main subjects taught at Takṣaśilā?
 - b) How did the Bodhayana Sutra contribute to the development of mathematics in ancient India?
 - c) Discuss the significance of the concept of zero in Indian mathematics.
 - d) Describe the traditional Indian approach to water conservation and management.
 - e) How does Ayurveda integrate the concept of balance in health with environmental sustainability?
- Q.3 Answer the following question. (Any Two) 06**
- a) Discuss the role of ancient Indian practices like sustainable agriculture and water conservation.
 - b) Describe the concept of light as discussed in ancient Indian texts.
 - c) Explain the concept of Sattvic food in Ayurveda and its importance for health.
- Q.4 Answer the following question. (Any Two) 06**
- a) Explain the role of guru-shishya tradition in the Indian Knowledge System.
 - b) Discuss the significance of the Iron Pillar of Delhi and its scientific implications.
 - c) How does the practice of yoga contribute to both individual health and environmental awareness in traditional Indian thought?
- Q.5 Answer the following question. (Any One) 06**
- a) Explain foundational concepts and characteristics of IKS.
 - b) Write a detailed note on Indian innovations in daily life chemistry.

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B.Sc. (E.C.S.) (Semester - I) (New) (NEP CBCS) Examination:

March/April – 2025

VES

Constitution of India / Indian Constitution and Democracy (ICD-101)

वार, दिनांक : सोमवार, ०५-०५-२०२५

कमाल गुण: ३०

वेळ: सकाळी ०९:०० ते १०:३०

सूचना : १) सर्व प्रश्न अनिवार्य आहेत.

२) उजवीकडील अंक पूर्ण गुण दर्शवितात.

प्र.१ खालील दिलेले योग्य पर्याय निवडून गाळलेल्या जागा भरा.

०६

१) भारताच्या मुख्य निर्वाचन आयुक्तांची नेमणूक — हे करतात.

- | | |
|---------------|-----------------|
| अ) राष्ट्रपती | ब) पंतप्रधान |
| क) राज्यपाल | ड) उपराष्ट्रपती |

२) भारतात — ही शासनपद्धती आहे.

- | | |
|--------------|--------------|
| अ) संमिश्र | ब) साम्यवादी |
| क) अध्यक्षीय | ड) संसदीय |

३) — या शासनपद्धतीमध्ये कार्यकारी मंडळ किंवा मंत्रीमंडळ कायदेमंडळाला जबाबदार राहून काम करते.

- | | |
|--------------|--------------|
| अ) संसदीय | ब) अध्यक्षीय |
| क) साम्यवादी | ड) संमिश्र |

४) — हे ई-गव्हर्नसचे उदाहरण आहे.

- | | |
|-------------------------|------------------|
| अ) जन आरोग्य योजना | ब) डिजिटल इंडिया |
| क) फूड सिक्युरिटी स्कीम | ड) यापैकी नाही |

५) — या वर्षीपासून भारतीय राज्यघटनेची अंमलबजावणी सुरू झाली.

- | | |
|----------------------|---------------------|
| अ) २६ नोव्हेंबर १९४९ | ब) १५ ऑगस्ट १९४७ |
| क) २१ जानेवारी १९५० | ड) २६ जानेवारी १९५० |

६) भारतामध्ये — हा दिवस 'संविधान दिवस' आहे.

- | | |
|-----------------|----------------|
| अ) २६ नोव्हेंबर | ब) १५ ऑगस्ट |
| क) ०९ ऑगस्ट | ड) २६ जानेवारी |

- प्र.२ थोडक्यात उत्तरे लिहा. (कोणतेही ३) 0६
- १) राज्यसभेची रचना स्पष्ट करा.
 - २) लोकसभेची रचना स्पष्ट करा.
 - ३) लोकशाहीचे प्रकार स्पष्ट करा.
 - ४) सुशासन म्हणजे काय?
 - ५) भारताच्या निवडणूक आयोगाची रचना स्पष्ट करा.
- प्र.३ थोडक्यात उत्तरे लिहा. (कोणतेही २) 0६
- १) सुशासनची वैशिष्ट्ये स्पष्ट करा.
 - २) भारतीय राज्यघटनेचा सरनामा लिहा.
 - ३) भारतीय नागरिकांची मूलभूत कर्तव्ये स्पष्ट करा.
- प्र.४ थोडक्यात उत्तरे लिहा. (कोणतेही २) 0६
- १) लोकसभेचे अधिकार आणि कार्ये स्पष्ट करा.
 - २) राज्यसभेचे अधिकार आणि कार्ये स्पष्ट करा.
 - ३) मंत्रिमंडळ स्पष्ट करा.
- प्र.५ सविस्तर उत्तर लिहा. (कोणतेही १) 0६
- १) भारतीय राज्यघटनेची वैशिष्ट्ये स्पष्ट करा.
 - २) भारतीय निर्वाचन आयोगाचे अधिकार आणि कार्ये सांगा.

- Q.3 Write answers in brief. (Any 2) 06**
- 1) Explain the features of Good Governance.
 - 2) Write the preamble of the Indian Constitution.
 - 3) Explain the fundamental duties of Indian Citizens.
- Q.4 Write answers in brief. (Any 2) 06**
- 1) Explain the power and functions of Lok Sabha.
 - 2) Explain the power and functions of Rajya Sabha.
 - 3) Explain the council of ministers.
- Q.5 Write answer in detail. (Any 1) 06**
- 1) Explain the features of Indian Constitution.
 - 2) Explain the power and functions of Election Commission of India.

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**B.Sc. (E.C.S.) (Semester - I) (New) (NEP CBCS) Examination:
March/April - 2025
OOP'S with C++ - I (G06-0101)**

Day & Date: Tuesday, 06-May-2025
Time: 12:00 PM To 01:30 PM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figure to the right indicate full marks.

Q.1 A) Choose correct alternative (MCQ): **06**

- 1) Which of these types is not provided by C but is provided by C++?

a) double	b) float
c) bool	d) int

- 2) Which concept do we use for the implementation of late binding?

a) Static Functions	b) Constant Functions
c) Operator Functions	d) Virtual Functions

- 3) Which of these won't return any value?

a) void	b) null
c) free	d) empty

- 4) Which of these keywords do we use for the declaration of the friend function?

a) my friend	b) class friend
c) friend	d) firend

- 5) Which of the following is not a fundamental data type in C++?

a) int	b) float
c) string	d) char

- 6) Which operator is used for dynamic memory allocation in C++?

a) new	b) malloc
c) alloc	d) alloc_mem

Q.2 Answer the following. (Any Three) **06**

- a) Define polymorphism in CPP.
- b) Define data abstraction in CPP.
- c) What is implicit type casting?
- d) Define destructor.
- e) Define is object.

- Q.3 Answer the following: (Any Two) 06**
- a) Explain copy constructor with example.
 - b) Write CPP program to display array in reverse order.
 - c) Explain friend function in CPP.
- Q.4 Attempt the following. (Any Two) 06**
- a) Write difference between POP and OOPs.
 - b) Write CPP program check number is perfect or not.
 - c) Explain characteristics of OOPs.
- Q.5 Answer the following. (Any One) 06**
- a) Explain default constructor with example.
 - b) Write CPP program to check number is palindrome or not.

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**B.Sc. (E.C.S.) (Semester - I) (New) (NEP CBCS) Examination:
March/April - 2025
Python Programming - I (G06-0102)**

Day & Date: Wednesday, 07-May-2025
Time: 12:00 PM To 01:30 PM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose correct alternative. (MCQ)

06

- 1) Who developed the Python language?
 - a) Zim Den
 - b) Guido van Rossum
 - c) Niene Stom
 - d) Wick van Rossum
- 2) Which one of the following is the correct extension of the Python file?
 - a) .py
 - b) .python
 - c) .p
 - d) None of these
- 3) What is the output of the following program?


```
print("Hello", end='@');
print("World")
```

 - a) HelloWorld
 - b) Hello@World
 - c) Hello World
 - d) Hello@ World
- 4) Which keyword is used for function in Python language?
 - a) Function
 - b) Fun
 - c) def
 - d) Define
- 5) Which of the following is the use of id () function in python?
 - a) Every object doesn't have a unique id
 - b) Id returns the identity of the object
 - c) Both a and b
 - d) None of the Above
- 6) _____ is not a keyword in Python language.
 - a) pass
 - b) nonlocal
 - c) assert
 - d) eval

- Q.2 Answer the following. (Any Three) 06**
- a) What is a Python Virtual Machine?
 - b) Define term List and Tuple.
 - c) Explain different types of comments in python.
 - d) Explain lambdas function.
 - e) Explain usage of continue and break keyword in python.
- Q.3 Answer the following Question. (Any Two) 06**
- a) Explain map, reduce and filter in Python.
 - b) What is String? Explain Manipulating different operation in String with example.
 - c) Explain type Conversion in python with example.
- Q.4 Answer the following Question. (Any Two) 06**
- a) What is Function? Explain difference between function and Methods.
 - b) What is Loop in python? Explain for loop with example.
 - c) Define operator in python. Explain different types of operator.
- Q.5 Answer the following Question. (Any One) 06**
- a) What is Python? Explain different feature of python.
 - b) Define Array. Explain different types of Array with example.

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**B.Sc. (E.C.S.) (Semester - I) (New) (NEP CBCS) Examination:
March/April - 2025
Digital Electronics and Microprocessors (G06-0103)**

Day & Date: Thursday, 08-May-2025
Time: 12:00 PM To 01:30 PM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose correct alternative.

06

- 1) _____ is IC number of Not gate.

a) 7432	b) 7408
c) 7404	d) 7486
- 2) 8085 is _____ bit microprocessor control signals.

a) 8	b) 16
c) 32	d) 64
- 3) _____ IC is used as counter.

a) 74266	b) 7474
c) 7495	d) 7490
- 4) 8085 has _____ bit program counter.

a) 8	b) 16
c) 20	d) 24
- 5) 4:1 multiplexer has _____ control signals.

a) 2	b) 4
c) 8	d) 14
- 6) ADI has _____ addressing mode.

a) direct	b) indirect
c) immediate	d) register

Q.2 Answer the following. (any Three)

06

- a) Define synchronous counter.
- b) Explain NOR gate with symbol.
- c) Explain INTR and HOLD control signal.
- d) Draw block diagram of half subtractor.
- e) Define instruction cycle.

- Q.3 Answer the following questions. (Any Two) 06**
- a) Explain Derived gate - XOR, XNOR.
 - b) Explain arithmetic instruction.
 - c) Explain RS flip flop using NAND gate.
- Q.4 Answer the following questions. (Any Two) 06**
- a) Explain 1:4 Demultiplexer.
 - b) Explain addressing modes of 8085 microprocessor.
 - c) Explain GPR's of 8085 microprocessors.
- Q.5 Answer the following questions. (Any One) 06**
- a) Explain asynchronous 3 bit up and down counter.
 - b) Explain data transfer and branch control instructions of 8085 microprocessor.

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**B.Sc. (E.C.S.) (Semester - I) (New) (NEP CBCS) Examination:
March/April - 2025
Numerical Methods (G06-0104)**

Day & Date: Thursday, 08-May-2025
Time: 12:00 PM To 01:30 PM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to right indicate full marks.

Q.1 Choose correct alternative. (MCQ)

06

- 1) While doing the multiplication of two numbers' in normalized floating point the exponents should be _____.
 - a) added
 - b) subtracted
 - c) divided
 - d) multiplied
- 2) If the data is equally spaced and interpolation is near the end of the data then _____ interpolation formula is used.
 - a) Newton's Forward Difference
 - b) Newton's Backward Difference
 - c) Newton's Divided Difference
 - d) Lagrange's
- 3) The equation $x + y = 4$ is _____ equation.
 - a) linear
 - b) tangent
 - c) transcendental
 - d) none of these
- 4) A matrix having only one column is called as _____.
 - a) Row matrix
 - b) Column matrix
 - c) Scalar matrix
 - d) None of these
- 5) $E^n f(x) =$ _____.
 - a) $f(x)$
 - b) $f(x + nh)$
 - c) $f(x - nh)$
 - d) $f(x + 2nh)$
- 6) $\Delta K =$ _____ K is constant
 - a) K
 - b) 0
 - c) 1
 - d) -1

Q.2 Answer the following. (Any Three)**06**

- a) Prepare the forward difference table for following data:

X	2	4	6	8	10
F(x)	12	17	31	52	69

- b) Find the interval in which root of the equation $x^5 + 5x + 1 = 0$ lies.
 c) Define scalar matrix with example.
 d) Define polynomial equation of degree n.
 e) Evaluate: $0.4399 E_2 \times 0.5789 E_{-12}$

Q.3 Answer the following questions. (Any Two)**06**

- a) Find the root of equation $x^3 - 4x - 9 = 0$ by using bisection method, performing only three interactions.
 b) Evaluate a) $1.4586E_{15} \times 7.3254E_6$ b) $1.215E_4 \div 4.5263E_4$
 c) Evaluate Δx^3 by taking $h = 1$

Q.4 Answer the following questions. (Any Two)**06**

- a) Define absolute error, relative error & percentage error
 b) If $f(1) = 5$, $f(12) = 11$, $f(5) = 29$, Then find $f(4)$ by Lagrange's interpolation formula.
 c) Find the root of equation $x^3 + x - 1 = 0$ by using Regula Falsi method, performing only two interactions.

Q.5 Answer the following questions. (Any One)**06**

- a) Estimate $f(12)$ by Newton's forward difference interpolation formula using following data

x:	10	15	20	25
f(x):	14	18	28	42

- b) Solve following system by Jacobi's Iterative method perform only two interactions.
 $10x + y + z = 12$
 $2x + 10y + z = 13$
 $x + y + 5z = 7$

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Set **P**

**B.Sc. (E.C.S.) (Semester - II) (New) (NEP CBCS) Examination:
March/April - 2025
Software Engineering (G06- GE-OE201)**

Day & Date: Friday, 09-May-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to right indicate full marks.

Q.1 Choose correct alternative. (MCQ) 06

- 1) Which of the following is a graphic representation of the modules in the System and the interconnection between them?
 - a) Pie chart
 - b) Flow chart
 - c) Structural chart
 - d) System chart
- 2) Difference between Decision - Tables and Decision Trees is (are),
 - a) Value to end user
 - b) One shows the logic while other shows the process
 - c) Form of representation
 - d) All of the above
- 3) _____ testing is used to check the code.
 - a) Grey box testing
 - b) Black box testing
 - c) White-box testing
 - d) Red box testing
- 4) The _____ is the element of a system that involves in modifying the inputs.
 - a) Output
 - b) Interface
 - c) Processor
 - d) Control
- 5) Which one of the following models is not suitable for accommodating any change?
 - a) Build & Fix Model
 - b) Prototyping Model
 - c) RAD Model
 - d) Waterfall model
- 6) RAD Model has _____
 - a) 2 phases
 - b) 3 phases
 - c) 5 phases
 - d) 7 phases

Q.2 Answer the following. (Any Three) 06

- a) What is testing? Explain its types.
- b) Write a note on input and output design.
- c) Write a note on record reviews.
- d) Explain elements of system.
- e) Write a note on data dictionary with example.

- Q.3 Answer the following Question. (Any Two) 06**
- a) What is entity? Why we need to relate different entities?
 - b) Explain pilot and parallel conversion method.
 - c) Explain decision trees in detail.
- Q.4 Answer the following Question. (Any Two) 06**
- a) What is incremental approach in system construction.
 - b) Write a note on RAD model.
 - c) Explain types of maintenance.
- Q.5 Answer the following Question. (Any One) 06**
- a) Explain role of system analyst in detail.
 - b) What is data flow diagram? Draw DFD for Textile Management System.

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**B.Sc. (E.C.S.) (Semester - II) (New) (NEP CBCS) Examination:
March/April - 2025
English (ENG201)**

Day & Date: Saturday, 10-May-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose the correct alternatives from the following. 06

- 1) What is the first step in the listening process?
 - a) Responding
 - b) Evaluating
 - c) Receiving
 - d) Remembering
- 2) Which listening type focuses on emotions?
 - a) Critical
 - b) Empathic
 - c) Discriminative
 - d) Appreciative
- 3) Which skill helps improve communication?
 - a) Ignoring details
 - b) Multitasking
 - c) Speaking continuously
 - d) Active listening
- 4) Which of the following is NOT a type of formal writing?
 - a) Formal letter
 - b) Newspaper report
 - c) Personal diary entries
 - d) Emails
- 5) What does BCC stand for in an email?
 - a) Copy contact
 - b) Blind Carbon Copy
 - c) Customer care
 - d) Complete Content
- 6) Which of the following is the primary purpose of a blog?
 - a) Sharing opinions and information
 - b) Writing only for academic purposes
 - c) Sending private messages
 - d) Avoiding public engagement

Q.2 Answer any two out of four of the following. 06

- a) Describe the different types of formal letters and their uses.
- b) What is a blog? What are its purpose and types?
- c) What are the five stages of the listening process?
- d) What are rising and falling tones? Give examples.

- Q.3 Write short notes on one of the two questions. 06**
- a) What is the difference between Hearing and Listening?
 - b) Why Good Listening is Important?
- Q.4 Answer the following question. (Any One) 12**
- a) What are the essential parts of an email? Explain their importance.
 - b) What is a formal letter? Write a job application letter to the Hiring Manager of XYZ Pvt Ltd for the position of Data Analyst, mentioning your education, skills, and any relevant projects.

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B.Sc.(E.C.S.)Sem-II (NEW) (NEP CBCS)Examination: March/April- 2025
Environmental Studies (ENS24)

Day & Date: Monday, 19-May-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose correct alternative.

06

- 1) The gas primarily responsible for global warming is _____.
 - a) Oxygen
 - b) Nitrogen
 - c) Carbon dioxide
 - d) Hydrogen
- 2) _____ is a non-renewable resource.
 - a) Solar energy
 - b) Coal
 - c) Wind energy
 - d) Biomass
- 3) _____ is considered a renewable resource.
 - a) Solar Energy
 - b) Natural Gas
 - c) Coal
 - d) Petroleum
- 4) _____ is the term used to describe the gradual process of species extinction due to human activity.
 - a) Overexploitation
 - b) Habitat destruction
 - c) Natural selection
 - d) Biodiversity loss
- 5) The primary cause of air pollution in most urban areas is _____.
 - a) Industrial activity and vehicular emissions
 - b) Agricultural practices
 - c) Natural forest fires
 - d) Ocean currents
- 6) Most observed consequence of ozone layer depletion is _____.
 - a) Reduced agricultural productivity
 - b) Decreased rainfall
 - c) Increased skin cancer rates
 - d) Lower global temperatures

Q.2 Answer the following. (Any three)

06

- Describe India as a mega-biodiversity nation.
- Describe Multidisciplinary nature of environmental studies.
- Differentiate between floods and draughts.
- Describe Environment Protection Act in brief.
- Give brief idea of Silent valley movement.

Q.3 Answer the following. (Any two)

06

- a) Importance of environmental studies
- b) Forest Ecosystem
- c) Air Pollution

Q.4 Answer the following. (Any two) 06

- a) Deforestation: Causes and Impacts
- b) Biogeographic zones of India
- c) Conservation of Biodiversity

Q.5 Answer the following. (Any one) 06

- a) Write in detail on the importance of Renewable and Non-renewable energy resources.
- b) What is Disaster? Describe disaster management with respect to flood and earthquakes.

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**B.Sc. (E.C.S.) (Semester - II) (New) (NEP CBCS) Examination:
March/April - 2025
OOP'S with C++ - II (G06-0201)**

Day & Date: Thursday, 15-May-2025
Time: 12:00 PM To 01:30 PM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose correct alternative. (MCQ)

06

- 1) What is the purpose of templates in C++?
 - a) To allow generic programming
 - b) To enable function overloading
 - c) To define custom data types
 - d) None of the above
- 2) Which of the following keyword used to handle an exception
 - a) Catch
 - b) Try
 - c) Throw
 - d) Exception
- 3) When an exception is not caught then what happens?
 - a) Exception is ignored
 - b) Program terminates
 - c) A default exception handler is invoked
 - d) None of the above
- 4) When a destructor automatically invoked?
 - a) When a new object is created
 - b) When a constructor is called
 - c) When an object goes out of scope
 - d) None of the above
- 5) _____ is required to make a function in a base class virtual.
 - a) static keyword
 - b) Private function
 - c) None of the above
 - d) virtual keyword
- 6) What is the difference between function overloading and overriding?
 - a) Overloading happens in the same class; overriding happens in inherited classes
 - b) Overriding requires virtual functions
 - c) Both A and B
 - d) None of the above

- Q.2 Answer the following. (Any Three) 06**
- a) What is Class template?
 - b) Concept of virtual destructors
 - c) Define Stream classes.
 - d) Syntax to open file using open 0 & Constructor
 - e) Use of throw keyword.
- Q.3 Write a short note on following. (Any Two) 06**
- a) Command line arguments
 - b) Custom exception
 - c) Abstract class
- Q.4 Answer the following. (Any Two) 06**
- a) What is virtual function? Explain pure virtual function with program.
 - b) Write a program to copy one text file to another text file.
 - c) What is inheritance? Explain any 2 types of inheritance with example.
- Q.5 Answer the following. (Any One) 06**
- a) What is Polymorphism? How it is achieved in C++.
 - b) Explain different types of file manipulators in details.

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**B.Sc. (E.C.S.) (Semester - II) (New) (NEP CBCS) Examination:
March/April - 2025
Python Programming - II (G06-0202)**

Day & Date: Friday, 16-May-2025
Time: 12:00 PM To 01:30 PM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose the correct alternatives from the options. 06

- 1) _____ of the following is/are features of object-oriented programming.
 - a) Encapsulation
 - b) Inheritance
 - c) Polymorphism
 - d) All of these
- 2) In python _____ of the following is/are types of variables.
 - a) Instance variables
 - b) Class Variable
 - c) Both a and b
 - d) None of these
- 3) The exceptions which are created by the programmer are called _____.
 - a) User defined exception
 - b) Built-in Exception
 - c) Both a and b
 - d) None of these
- 4) _____ of the following function returns multiple random elements from the list with replacement.
 - a) choice()
 - b) choices()
 - c) selection()
 - d) uniform()
- 5) In how many ways we can create a thread?
 - a) 1
 - b) 2
 - c) 3
 - d) 4
- 6) _____ of the following method is used to create sub and sub-sub directories.
 - a) mkdir()
 - b) makedirs
 - c) Both a and b
 - d) None of these

Q.2 Answer of the following. (Any Three) 06

- a) Define module and package.
- b) Define method overloading.
- c) Define thread Synchronization.
- d) Define assert statement and write its Syntax.
- e) Write a syntax and give its example to open a file in read mode.

- Q.3 Answer the following question (Any Two) 06**
- a) Write a program to create user defined module and import it.
 - b) Explain the different types of file opening modes.
 - c) Explain the different types of methods in Object oriented programming.
- Q.4 Answer of the following question (Any Two) 06**
- a) Explain the types of Constructors.
 - b) Explain the use of seek() and tell() method with suitable example.
 - c) Write a program to handle ZeroDivisionError Exception.
- Q.5 Answer of the following question (Any One) 06**
- a) What is Thread? Explain thread life cycle.
 - b) What is inheritance? Explain the types of inheritance with suitable example.

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**B.Sc. (E.C.S.) (Semester - II) (New) (NEP CBCS) Examination:
March/April – 2025
Introduction to Microcontroller and Embedded System (G06-0203)**

Day & Date: Saturday, 17-05-2025
Time: 12:00 PM To 01:30 PM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose correct alternatives from the options. 06

- 1) 8051 Microcontroller is _____ Bit.
 - a) 8
 - b) 16
 - c) 32
 - d) 64
- 2) The internal RAM memory of the 8051 is _____.
 - a) 32 bytes
 - b) 64 bytes
 - c) 128 bytes
 - d) 256 bytes
- 3) How an embedded system communicate with the outside world?
 - a) Memory
 - b) Output
 - c) Peripherals
 - d) Input
- 4) When the microcontroller executes some arithmetic operations, then the flag bits of which register are affected?
 - a) PSW
 - b) SP
 - c) DPTR
 - d) PC
- 5) 8051 microcontrollers are manufactured by which of the following companies?
 - a) Atmel
 - b) Philips
 - c) Intel
 - d) All of the mentioned
- 6) Address bus of 8051 Microcontroller is _____ Bit.
 - a) 8
 - b) 16
 - c) 32
 - d) 64

Q.2 Answer the following. (Any Three) 06

- a) Define embedded system?
- b) Define Data transfer Instruction?
- c) Write note on SFR in 8051 Microcontroller.
- d) Write note on Logical Instruction in 8051 Microcontroller.
- e) Explain any 2 characteristics of embedded system?

- Q.3 Answer the following. (Any Two) 06**
- a) Explain difference between Microprocessor and Microcontroller?
 - b) Write note on Keil Micro vision Simulation tools.
 - c) Explain Clock and Reset circuit in 8051 Microcontroller?
- Q.4 Answer the following. (Any Two) 06**
- a) Write down features of 8051 Microcontroller.
 - b) Explain different types of Embedded System?
 - c) Write Embedded c program for LED blinking.
- Q.5 Answer the following. (Any One) 06**
- a) Draw and Explain Block diagram of 8051 Microcontroller?
 - b) Draw and Explain Architecture of Embedded System?

Day & Date: Saturday, 17-05-2025
Time: 12:00 PM To 01:30 PM

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

06

- 1) The relation is called _____ relation if $a R b$ implies $b R a$.
a) Symmetric b) Reflexive
c) Transitive d) Equivalence
- 2) A relation which is Symmetric, Reflexive and Transitive is called _____.
a) Symmetric b) Reflexive
c) Transitive d) Equivalence
- 3) A function which is Injective and surjective is called _____.
a) one-one b) on-to
c) Bijective d) none of these
- 4) let $f(x) = 2x + 6$, find the value of function at $x = -2$ _____.
a) 2 b) -2
c) 6 d) 4
- 5) The relation is called _____ relation if $a R a$ for all a belongs to A .
a) Symmetric b) Reflexive
c) Transitive d) Equivalence
- 6) A set having only one element is called _____ set.
a) singleton b) empty
c) infinite d) none of these

06

- Page 1 of 2

Q.3 Answer any two of the following.**06**

- a) Write note on matrix representation of a relation.
- b) Define Partial ordering relation.
- c) If $F(x) = 2x^3 + 6x$ then find
 - i) $f(2)$
 - ii) $f(4)$

Q.4 Answer any two of the following.**06**

- a) Let the function $F: R \rightarrow R$ Define as, $F(x) = 4x + 3$. show that f is Bijective.
- b) for the given relation
 $R = \{(1,1), (1,2), (2,1), (2,2), (2,3), (2,4), (3,4), (4,1)\}$ on $A = \{1,2,3,4\}$
 - i) Matrix of relation R
 - ii) Diagraph and
 - iii) In degree and Out degree of the elements of A
- c) Solve the recurrence relation $a_r + 7a_{r-1} + 12a_{r-2} = 0$

Q.5 Answer any one of the following.**06**

- a) Solve the recurrence relation $a_r - 7a_{r-1} + 6a_{r-2} = 0$ with initial conditions $a_0 = 15$ and $a_1 = 5$.
- b) Let the set $A = \{a, b, c, d, f\}$ Define relation R on set A is
 $A = \{(a, a), (a, c), (a, f), (b, c), (b, d), (b, f), (c, a), (c, d), (c, f), (d, a), (d, c), (f, c), (f, f)\}$. Find transitive closure R^* by using wars halls algorithm.

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वार, दिनांक : बुधवार, २१-०५-२०२५
वेळ: सकाळी ०९:०० ते १०:३०

कमाल गुणः ३०

सूचना : १) सर्व प्रश्न अनिवार्य आहेत.
२) उजवीकडील अंक पूर्ण गुण दर्शवितात.

03

- १) ——— हा दिवस जागतिक पर्यावरण दिन म्हणून साजरा केला जातो.
अ) २४ सप्टेंबर
ब) १२ जानेवारी
क) १५ ऑगस्ट
ड) ०५ जून
- २) रा. से. यो. चिन्ह चक्र हे ——— रंगाचे आहे.
अ) हिरवा
ब) लाल
क) पिवळा
ड) निळा
- ३) राष्ट्रीय सेवा योजनेची सुरुवात ——— या वर्षी झाली.
अ) १९७५
ब) १९५०
क) १९६९
ड) १९४७
- ४) राष्ट्रीय सेवा योजनेच्या एका वर्षात ——— तास काम करणे अपेक्षित असते.
अ) १००
ब) २४०
क) ८०
ड) १५०
- ५) दत्तक खेडे हे ——— कि.मी. अंतरावर असावे अशी अपेक्षा आहे.
अ) २०
ब) ३०
क) १८
ड) ४०
- ६) ——— हे राष्ट्रीय सेवा योजनांचे घोषवाक्य आहे.
अ) मी माझ्यासाठी नाही इतरांसाठी
ब) मी फक्त माझ्यासाठी
क) मी फक्त समाजासाठी
ड) मी फक्त माझ्या आर्थिकसाठी

- प्र.२ खालील प्रश्नांची थोडक्यात उत्तरे लिहा. (कोणतेही तीन) 0६
- १) महिला सक्षमीकरणाची गरज का आहे.
 - २) प्रथमोपचार कौशल्याची माहिती सांगा.
 - ३) रा. से. या. कार्यक्रमाचे वर्गीकरण सांगा.
 - ४) वृक्षरोपणाची आवश्यकता का आहे.
 - ५) राष्ट्रीय सेवा योजनेच्या डायरी (नोंदवही) ची देखभाल लिहा.
- प्र.३ खालील प्रश्नांची थोडक्यात उत्तरे लिहा. (कोणतेही दोन) 0६
- १) रा. से. यो. चा इतिहास लिहा.
 - २) दत्तक खेडयामध्ये नियमित उपक्रमावर चर्चा करा.
 - ३) मतदार जनजागृती आणि नावनोंदणी शिबीर यावर चर्चा करा.
- प्र.४ दीर्घोत्तरी प्रश्न. (कोणताही एक) 0६
- १) रा. से. यो. चे महत्त्व स्पष्ट करा.
- किंवा
- २) विशेष शिबिर कार्यक्रमातील नियोजन लिहा.
- प्र.५ दिर्घोत्तरी प्रश्न. 0६
- आरोग्य आणि रक्तदान शिबीर यावर वृत्तांत द्या.

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B. Sc. (E.C.S) (Semester - II) (New) (NEP CBCS) Examination:
March/April - 2025
Co-Curricular Course
National Service Scheme (CC-201)

Day & Date: Wednesday, 21-May-2025
 Time: 09:00 AM To 10:30 AM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
 2) Figures to the right indicate full marks.

Q.1 Choose the correct Alternative and fill in the blanks **06**

- 1) _____ is celebrated as the World Environment Day.
 a) 24th September b) 12th January
 c) 15th August d) 05th June

- 2) The N.S.S. emblem, the chakra bears _____ colour.
 a) Green b) Red
 c) Yellow d) Blue

- 3) The National Service Scheme is started in the year of _____.
 a) 1975 b) 1950
 c) 1969 d) 1947

- 4) _____ is the number of hours the N.S.S. volunteers expected to work during the year.
 a) 100 b) 240
 c) 80 d) 150

- 5) The adopted village is expected to be _____ k.m.
 a) 20 b) 30
 c) 18 d) 40

- 6) _____ is a motto of N.S.S.
 a) Not me but you b) I m only me
 c) I and we d) I only me economic

Q.2 Write a short answer (Any Three) **06**

- a) Why need is Women empowerment.
- b) State of First Aid Skill Activity.
- c) State the Classification of NSS Programme.
- d) Why is important of Tree Planation.
- e) Write the maintenance of NSS dairy.

- Q.3 Write short answers (Any Two) 06**
- a) Write the History of NSS.
 - b) Discuss the Regular activities in Adopted Village.
 - c) Discuss the Voter Awareness and Registration Camp.
- Q.4 Broad Questions. (Any One) 06**
- a) Explain the Importance of NSS.
 - b) Write the Planning of Special Camping Programme.
- Q.5 Broad Question. 06**
- Give account of a Health and Blood Donation Camp.

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B.Sc. (E.C.S) (सत्र – II) (नवीन) (NEP CBCS) परीक्षा: मार्च/एप्रिल – २०२५
Co-Curricular Course
National Cadet Corps (CC-202)

वार, दिनांक : बुधवार, २१-०५-२०२५
वेळ: सकाळी ०९:०० ते १०:३०

कमाल गुण : 15

सूचना : १) सर्व प्रश्न अनिवार्य आहेत.
२) उजवीकडील अंक पूर्ण गुण दर्शवितात.

प्र.१ खालील दिलेले योग्य पर्याय निवडून गाळलेल्या जागा भरा.

0४

- १) सहानुभूती म्हणजे काय?
अ) जलद निर्णय घेणे
ब) इतर लोकांबद्दल समज आणि करुणा
क) स्पर्धात्मक असणे
ड) कठोर वर्तन
- २) व्यक्तिमत्व विकासासाठी आकार देणारे घटक, की ज्यामुळे इतर प्रभावित होतील.
अ) हवामान
ब) शिक्षण
क) लोकसंख्या
ड) व्यायाम
- ३) खालीलपैकी कोणते रचनात्मक व्यक्तीचे सामान्य लक्षण नाही.
अ) जिज्ञासा
ब) दृढता
क) आळस
ड) कल्पना
- ४) काही — गुण बदलता येत नाहीत.
अ) नविन
ब) दत्तक
क) जन्मजात
ड) नैसर्गिक

प्र.२ खालील प्रश्नांची उत्तरे लिहा. (कोणत्याही दोन)

0४

- १) भारतीय नागरिकाचे मुलभूत अधिकार काय आहेत?
- २) वेगवेगळ्या प्रकारची कौशल्ये लिहा.
- ३) उत्तम नागरिकाच्या चांगल्या सवयी लिहा.
- ४) प्रामाणिकपणाचे उदाहरणे द्या.

प्र.३ खालील प्रश्नांची उत्तरे लिहा.

0३

व्यक्तिमत्व विकासाला आकार देणारे घटक लिहा.

प्र.४ खालील प्रश्नांची उत्तरे लिहा. (कोणताही एक)

०४

अ) व्यक्तिमत्व विकासामध्ये एन.सी.सी. कॅडेट ची भूमिका स्पष्ट करा.

किंवा

ब) उत्तम नेतृत्वासाठी महत्वाची मूल्ये स्पष्ट करा.

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Set **P**

**B.Sc. (E.C.S) (Plain) (Semester - II) (New) (NEP CBCS) Examination:
March/April - 2025
Co-Curricular Course
National Cadet Corps (CC-202)**

Day & Date: Wednesday, 21-May-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 15

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose the correct alternatives from the options. 04

- 1) What is the meaning of Empathy?
 - a) Making quick decisions
 - b) Understanding & compassion towards other peoples
 - c) Being competitive
 - d) Strick behavior
- 2) Which one is a crucial factor shaping and influencing personality?
 - a) Weather
 - b) Education
 - c) Population
 - d) Exercise
- 3) Which of the following leads to poor performance.
 - a) Curiosity
 - b) Persistence
 - c) Laziners
 - d) Imagination
- 4) Few _____ traits can not changed.
 - a) new
 - b) adopted
 - c) inborn
 - d) natural

Q.2 Write the following questions (Any Two) 04

- a) What are the fundamental Rights of citizen of India.?
- b) Write various types & skills.
- c) Give the good habits of good citizen.
- d) Give examples of honesty.

Q.3 Write the Following question 03

Write down the factors shaping personality development.

Q.4 Write the Following question (Any One) 04

- a) Explain role of NCC cadet in personality development.
- b) Explain important values for a good leader.

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B. Sc. (E.C.S.) (सत्र – II) (नवीन) (NEP CBCS) परीक्षा: मार्च/एप्रिल – २०२५
Co-Curricular Course
Sports (CC-203)

वार, दिनांक : बुधवार, २१-०५-२०२५
वेळ: सकाळी ०९:०० ते १०:३०

कमाल गुण : 15

सूचना : १) सर्व प्रश्न अनिवार्य आहेत.
२) उजवीकडील अंक पूर्ण गुण दर्शवितात.

प्र.१ खालील दिलेले योग्य पर्याय निवडून गाळलेल्या जागा भरा. **०४**

- १) खेळ म्हणजे शारिरीक श्रमाचा ——— समावेश असलेल्या क्रियाकलापांचा संदर्भ होय.
अ) कौशल्य आणि संघटित नियम ब) स्पर्धा
क) व्यावसायिक यश ड) वरील सर्व
- २) सांघिक खेळ ——— आहेत.
अ) फुटबॉल ब) स्विमिंग
क) जिमनॅस्टिक्स ड) कराटे
- ३) ——— या क्रिडेच्या संकल्पना आहेत.
अ) स्पर्धा
ब) शारिरीक आणि मानसिक फायदे
क) शारिरीक क्रिया आणि कौशल्ये
ड) वरील सर्व
- ४) पी. टी. उषा ——— खेळाची खेळाडू आहे.
अ) बॅडमिंटन ब) टेनिस
क) अॅथलेटिक्स ड) स्विमिंग

प्र.२ टिपा लिहा. (कोणत्याही तीन) **०६**

- १) खेळाचे महत्त्व
- २) खेळाचा प्राचीन इतिहास
- ३) खेळाची व्याख्या
- ४) सांघीक खेळाची यादी
- ५) खेळाद्वारे शारिरीक विकास

प्र.३ खालील प्रश्नांची उत्तरे लिहा.

०५

अ) खेळाची संकल्पना स्पष्ट करा.

ब) खेळाचे विविध प्रकार स्पष्ट करा.

Seat No.	
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Set **P**

**B. Sc. (E.C.S.) (Semester - II) (New) (NEP CBCS) Examination:
March/April - 2025
Co-Curricular Course
Sports (CC-203)**

Day & Date: Wednesday, 21-May-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 15

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose the correct alternatives from the options. 04

- 1) Sports refer to physical activities that involve physical effort _____.
 a) Skill and organized rules b) Competition
 c) Professional success d) Above all
- 2) Team games are _____.
 a) Football b) Swimming
 c) Gymnastics d) Karate
- 3) The concepts of sports are _____.
 a) Competition b) Physical and Mental Benefits
 c) Physical Activity and Skill d) Above all
- 4) P. T. Usha is the player of _____ Game.
 a) Badminton b) Tennis
 c) Athletics d) Swimming

Q.2 Write short notes. (Any Three) 06

- a) Importance of Sports
- b) Ancient History of Sports
- c) Definition of Sports
- d) List of Team Sports
- e) Physical Development in Sports

Q.3 Write the Following question (Any One) 05

- a) Explain the Concept of Sports.
- b) Explain about types of Sports.

- प्र.२ खालील प्रश्नांची थोडक्यात उत्तरे लिहा. (कोणतेही दोन) 0६
- १) कायिक अभिनया विषयी माहिती लिहा.
 - २) पथनाट्य कला प्रकाराचा परिचय द्या.
 - ३) वाद—विवादाचे स्वरूप स्पष्ट करा.
 - ४) कथाकथन करताना कशी तयारी करावी?
- प्र.३ टिप्पणी लिहा. 0६
- काव्यवाचन
- प्र.४ तपशीलवार उत्तर लिहा. (कोणताही एक) १२
- १) साहित्य कलेच्या सादरीकरणाचे प्रकार कोणकोणते आहेत?
 - २) अभिनयाची संकल्पना स्पष्ट करा.

Seat No.	
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Set P

**B.Sc. (E.C.S.) (Semester - II) (New) (NEP CBCS) Examination:
March/April - 2025
Co-Curricular Course
Cultural (CC-204)**

Day & Date: Wednesday, 21-May-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 30

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose the correct Alternative and fill in the blanks **06**

- 1) Acting is the presentation that reaches the audience.
 - a) Singer
 - b) Actor/Nuts
 - c) musician
 - d) dancer
- 2) Rules and instructions about acting are scattered throughout the fifteen chapters of this book.
 - a) Mahabharata
 - b) Ramayana
 - c) Culinary Arts
 - d) Theater Science
- 3) How many act as a literature from one act play?
 - a) four
 - b) three
 - c) one
 - d) two
- 4) It is the art of speaking effectively and engagingly in front of people.
 - a) elocution
 - b) Picture
 - c) Dance
 - d) Singing
- 5) The invention of the loudspeaker opened the doors to millions of listeners can be benefited are
 - a) scene
 - b) Dance
 - c) Oratory
 - d) Food
- 6) Discussing the pros and cons of a particular topic means
 - a) Storytelling
 - b) Debate
 - c) poetry reading
 - d) Acting

Q.2 Write a short answer (Any Two) **06**

- a) Write information about physical performance.
- b) Introduce the art form of street theatre.
- c) Explain the nature of debate.
- d) How to prepare for storytelling?

- Q.3 Write short note.** **06**
Poetry reading
- Q.4 Write a detailed answer. (Any One)** **12**
a) What are the types of presentation of literary art?
b) Explain the concept of acting.

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**B. Sc. (E.C.S.) (Semester - II) (New) (NEP CBCS) Examination:
March/April – 2025
Co-Curricular Course
Health, Wellness and Fitness (CC-205)**

Day & Date: Wednesday, 21-05-2025
Time: 09:00 AM To 10:30 AM

Max. Marks: 15

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose the correct alternative.

04

- 1) NIH is an organization that works in the field of _____.
a) Health b) Sports
c) Business d) None of these
- 2) _____ is not type of vitamin.
a) A b) B
c) C d) Z
- 3) The headquarter of the World Health Organization is located in _____.
a) London b) Rome
c) Geneva d) Qatar
- 4) _____ can be called as personal hygiene.
a) Washing hands b) Cutting nails
c) Wearing clean clothes d) All of the above

Q.2 Write short answers. (Any Three)

06

- Write the definition of fitness?
- What is the personal hygiene?
- How many liters of water an adult should drink per day?
- Write the factors of social health.

Q.3 Write the detail answer (Any One)

05

- Write the components of physical fitness and explain them with examples.
- Write the detailed work of the World Health Organization.

प्र.३ सविस्तर उत्तरे लिहा. (कोणताही एक)

०५

अ) योगाचे महत्त्व स्पष्ट करा.

किंवा

ब) प्राणायामाचे महत्त्व स्पष्ट करा.

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**B. Sc. (E.C.S.) (Semester - II) (New) (NEP CBCS) Examination:
March/April – 2025
Co-Curricular Course
Yoga Edu. / Performing Arts (CC-206)**

Day & Date: Wednesday, 21-May-2025
Time: 09:00 AM To 10:30 PM

Max. Marks: 15

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1 Choose the correct alternative. 04

- 1) What is the meaning of Yoga word?
 - a) Exercise
 - b) Join & bring together
 - c) Meditation
 - d) Rest
- 2) What is the right time to do Yoga?
 - a) Afternoon session
 - b) Early morning
 - c) Evening session
 - d) Night session
- 3) When is Yoga day celebrated?
 - a) 21 June
 - b) 22 June
 - c) 25 June
 - d) 28 June
- 4) How should one breathe while performing Anulom Vilom Pranayam?
 - a) Inhale through one nostril and exhale through the other
 - b) Inhale and exhale through both nostrils
 - c) Breathe through the mouth
 - d) Hold your breath

Q.2 Write short answers/Write answer in one sentence. (Any Three) 06

- 1) In what ways can asanas be performed?
- 2) Write any three objectives of yoga.
- 3) What are the names of the processes of inhalation. holding the breath and exhalation in pranayama?
- 4) What is the need of yoga in human life?

Q.3 Write the detail answer (Any One) 05

- 1) Explain the importance yoga.
- 2) Explain the importance of pranayama.