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**B.C.A. (Sem - I) (New) (NEP CBCS) : Examination March/April - 2025**  
**Office Automation Tools (G10-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 the correct alternative from the options. 06**

- 1) Is used to covert from upper case to lower case and vice versa.
  - a) Toggle case
  - b) Sentence case
  - c) Lower case
  - d) Upper case
- 2) Portrait and Landscape are \_\_\_\_\_.
  - a) Page Orientation
  - b) Paper Size
  - c) Page Layout
  - d) All of above
- 3) Borders can be applied to \_\_\_\_\_.
  - a) Cells
  - b) Paragraph
  - c) Text
  - d) All of above
- 4) Which of the following is the brain of the computer?
  - a) Central Processing Unit
  - b) Memory
  - c) Arithmetic and Logic unit
  - d) Control unit
- 5) Which of the following is not a characteristic of a computer?
  - a) Versatility
  - b) Accuracy
  - c) Diligence
  - d) I.Q.
- 6) Which of the following are physical devices of a computer?
  - a) Hardware
  - b) Software
  - c) System Software
  - d) Package

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

- a) Explain Header
- b) Explain Footer
- c) Define Hardware
- d) Define Input unit
- e) Explain Find option

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

- a) Define Type face
- b) Define Replace

- c) Define Case settings

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

**06**

- a) Explain advantages of computer
- b) Explain central processing unit
- c) Explain output unit

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

**06**

- a) Explain Hardware and Software.
- b) Define characteristics of computer.

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**B.C.A. (Sem - 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 answer and rewrite the sentences. 06**

- 1) Which of the following is not a component of the communication process?
  - a) Sender
  - b) Encoding
  - c) Broadcasting
  - d) Feedback
  
- 2) \_\_\_\_\_ is an example of written communication.
  - a) Speaking on the phone
  - b) Sending an email
  - c) Gesturing with hands
  - d) Using facial expressions
  
- 3) The long form of GD is \_\_\_\_\_.
  - a) General Discussion
  - b) Self Skill
  - c) Group Discussion
  - d) Interview Skill
  
- 4) A group discussion is an exchange of \_\_\_\_\_.
  - a) Views between a group of participants
  - b) Feelings and thoughts from person to person
  - c) Borrowing money
  - d) Good materials
  
- 5) The word 'Interview' means \_\_\_\_\_.
  - a) An exchange of ideas, feelings and thoughts.
  - b) An exchange of money.
  - c) An exchange of clothes.
  - d) A mutual exchange of information between employer and a perspective candidate.
  
- 6) \_\_\_\_\_ is a useful method for answering classic questions.
  - a) Reddy's model
  - b) Italian model
  - c) Denny's model
  - d) The PAWS model

- Q.2 Write the answers to the following questions. (Any Two) 06**
- a) Define communication and explain the importance of communication.
  - b) Describe in short, the communication process.
  - c) Write a sample interview for an internship in a start-up blogging company.
  - d) Write note on benefits of group discussion.
- Q.3 Answer any One of the following. 06**
- a) Discuss in detail the 7 Cs of communication and explain their importance.
  - b) What is the difference between verbal and non-verbal communication.
- Q.4 Answer any One of the following. 12**
- a) What is Group Discussion? Write a note on Techniques of Group Discussion.
  - b) Write a detailed note on Dos and Don'ts of an interview.

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**B.C.A. (Semester - I) (New) (NEP CBCS) Examination:  
March/April – 2025  
IKS  
Indian Knowledge System/ General IKS (G10-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.C.A. (Semester - I) (New) (NEP CBCS) Examination: March/April – 2025  
VES**

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

वार, दिनांक : मंगळवार, ०६-०५-२०२५

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) स्वातंत्र्य, समता आणि बंधुता ही ——— लोकशाहीची मुख्य मुल्ये आहेत?

- |            |                |
|------------|----------------|
| अ) सामाजिक | ब) आर्थिक      |
| क) जुन्या  | ड) यापैकी नाही |

२) प्रातिनिधिक लोकशाहीत ——— प्रक्रिया शासन आणि जनतेला जोडते.

- |               |                |
|---------------|----------------|
| अ) हुकुमशाही  | ब) निवडणूक     |
| क) भ्रष्टाचार | ड) अर्थशास्त्र |

३) भारतीय संविधानाच्या प्रस्तावनेनुसार भारत ——— आहे.

- |            |              |
|------------|--------------|
| अ) अभिजात  | ब) राजेशाही  |
| क) गणराज्य | ड) लष्करशाही |

४) ——— हे निवडणुकीची अधिसूचना काढतात.

- |                   |                       |
|-------------------|-----------------------|
| अ) राष्ट्रपती     | ब) पंतप्रधान          |
| क) निवडणूक आयुक्त | ड) संसदीय कार्यमंत्री |

५) मतदारांनी निर्भयपणे मतदान करावे यासाठी ——— मतदान पद्धती योग्य ठरते.

- |                |                |
|----------------|----------------|
| अ) गुप्त मतदान | ब) राखीव मतदान |
| क) उघड मतदान   | ड) यापैकी नाही |

६) ई-गव्हर्नन्स प्रक्रियेमुळे ——— प्रकट होते.

- |               |                |
|---------------|----------------|
| अ) सुशासन     | ब) खाजगीकरण    |
| क) केंद्रीकरण | ड) यापैकी नाही |

- प्र.२ खालील प्रश्नांची उत्तरे लिहा. (कोणतेही ३) 0६
- १) प्रातिनिधिक लोकशाहीचे फायदे सांगा.
  - २) संविधानाच्या सरनाम्यातील आम्ही भारतीय जनता याचा अर्थ काय?
  - ३) भारतीय नागरीकांची मूलभूत कर्तव्ये सांगा.
  - ४) भारतीय संविधानातील समतेचा हक्क स्पष्ट करा.
  - ५) निवडणूक सुधारणेसाठी दोन उपाय सांगा.
- प्र.३ खालील प्रश्नांची उत्तरे लिहा. (कोणतेही २) 0६
- १) आचारसंहिता म्हणजे काय?
  - २) सुशासन म्हणजे काय?
  - ३) मूलभूत अधिकारांचे फायदे सांगा?
- प्र.४ खालील प्रश्नांची उत्तरे लिहा. (कोणतेही २) 0६
- १) इलेक्ट्रॉनिक मतदान यंत्राविषयी माहिती लिहा.
  - २) भारतीय लोकशाहीची वैशिष्ट्ये कोणती आहेत?
  - ३) भारतीय संविधानाचा सरनामा स्पष्ट करा.
- प्र.५ खालील प्रश्नाचे उत्तर लिहा. (कोणताही १) 0६
- १) भारतीय संविधानाची वैशिष्ट्ये सांगा.
  - २) भारतीय निवडणूक आयोगाची रचना, अधिकार—कार्ये स्पष्ट करा.

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**B.C.A. (Semester - I) (New) (NEP CBCS) Examination: March/April – 2025  
VES**

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

Day & Date: Tuesday, 06-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) Liberty, equality and fraternity are the core values of \_\_\_\_ democracy.
 

a) Social	b) Economic
c) Old	d) None of these
- 2) In a representative democracy \_\_\_\_ the process connects the people with the government.
 

a) dictatorship	b) elections
c) corruption	d) corruption
- 3) According to the Preamble of the Indian Constitution, India is \_\_\_\_\_.
 

a) Aristocracy	b) Monarchy
c) Republic	d) Militarism
- 4) \_\_\_\_\_ issues election notification.
 

a) President
b) Prime Minister
c) Election Commissioner
d) Minister of Parliamentary Affairs
- 5) The \_\_\_\_\_ voting method is suitable for voters to vote fearlessly.
 

a) Secret voting	b) Reserved voting
c) Open voting	d) None of these
- 6) The e-governance process reveals \_\_\_\_\_.
 

a) Good governance	b) privatization
c) centralization	d) none of these

**Q.2 Answer the following. (any 3 out of 5) 06**

- 1) State the advantages of representative democracy.
- 2) What does the preamble of the Constitution, We the people of India, mean?
- 3) State the Fundamental duties of Indian citizens.
- 4) Explain the right to equality in the Indian Constitution.
- 5) Mention two solutions to improve the electoral process.

- Q.3 Answer the following. (Any 2) 06**
- 1) What is Code of Conduct?
  - 2) What is good governance?
  - 3) State the benefits of fundamental rights.
- Q.4 Answer the following. (Any 2) 06**
- 1) Provide information regarding electronic voting machines.
  - 2) What are the characteristics of Indian democracy?
  - 3) Explain the preamble of the Indian Constitution.
- Q.5 Answer the following. (Any 1) 06**
- 1) Explain the features of Indian Constitution?
  - 2) Explain the structure, powers and functions of the Election Commission.

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**B.C.A. (Sem - I) (New) (NEP CBCS) Examination: March/April - 2025**  
**Programming using C - I (G10-0101)**

Day & Date: Thursday, 08-May-2025  
 Time: 12:00 PM To 1:30 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) C language developed in \_\_\_\_\_.  
 a) 1970                                      b) 1976  
 c) 1972                                      d) 1980
- 2) Which of the following are tokens in C?  
 a) Keywords                                      b) Constants  
 c) Variables                                      d) All of above
- 3) Which is a Ternary Operator?  
 a) ? :    b) \*  
 c) sizeof    d) ^
- 4) Which symbols used to define an array?  
 a) [ ]    b) { }  
 c) < >    d) ( )
- 5) Symbolic constants can be defined using \_\_\_\_  
 a) #define    b) symbols  
 c) const    d) None of these
- 6) a+=4 means \_\_\_\_\_.  
 a) a=a+4    b) a=4  
 c) a+4=a    d) a=4+4

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

- a) Define Algorithm and flowchart.
- b) State Relational operators used in C language.
- c) Explain any two string functions.
- d) Explain syntax of while loop
- e) Define Variables and its rules.

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

- a) Explain 'C' tokens.
- b) Explain break and continue statement with example.
- c) Explain if else statement with example.

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

- a) Differentiate between while and do while loop.
- b) Write a program in c to find out given Year is leap year or not leap year.
- c) Draw a flowchart for checking given number is even or odd.

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

- a) Define Array. Explain different types of an array in detail.
- b) What is Flow Chart? Explain all flow chart symbols with example.

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**B.C.A. (Sem - I) (New) (NEP CBCS) Examination: March/April - 2025**  
**Python - I (G10-0102)**

Day & Date: Saturday, 10-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 alternative.**

**06**

- 1) In which year was the Python language developed?
  - a) 1989
  - b) 1995
  - c) 1972
  - d) 1981
- 2) Which of the following precedence order is correct in Python?
  - a) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
  - b) Multiplication, Division, Addition, Subtraction, Parentheses, Exponential
  - c) Division, Multiplication, Addition, Subtraction, Parentheses, Exponential
  - d) Exponential, Parentheses, Multiplication, Division, Addition, Subtraction
- 3) How many keywords present in the Python 3.11 programming language?
  - a) 32
  - b) 35
  - c) 33
  - d) 61
- 4) Suppose a user wants to print the second value of an array, which has 5 elements. What will be the syntax of the second value of the array?
  - a) array[2]
  - b) array[-1]
  - c) array[1]
  - d) array[-2]
- 5) Which of the following statements is valid for "if statement"?
  - a) if f>= 14:
  - b) if (f>= 143)
  - c) if (f=>1433)
  - d) if f>= 14333
- 6) Study the following program:  

```
set = {0, 0, "a1", 0, 9}
print(set)
```

 What will be the output of this program?
  - a) {0, 0, 'a1', 0, 9}
  - b) {0, 'a1', 0, 9}
  - c) {0, 9, 'a1'}
  - d) {0, 0, 9, 0, 'a1'}

- Q.2 Answer the following. (Any three) 06**
- a) What is Python's parameter passing system?
  - b) How is memory managed in Python?
  - c) What is Pass in Python?
  - d) What is the difference between a Set and Dictionary?
  - e) What is Python?
- Q.3 Answer the following. (Any two) 06**
- a) Define function? Explain types of function in python.
  - b) Explain looping statements in python with example.
  - c) Explain if statement, if-else statement in python.
- Q.4 Answer the following. (Any two) 06**
- a) Define list. Explain list with example.
  - b) Explain operators in python with example.
  - c) Define Tuples. Explain tuples with example.
- Q.5 Answer the following. (Any one) 06**
- a) What is dictionary? Explain types of dictionary with example.
  - b) Explain features of Python.

Max. Marks: 30

**Q.1 Multiple Choose question. 06**

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

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

- a) State and prove Principle of Inclusion-Exclusion for three set.
- b) Define the following
  - 1) Equivalence relation
  - 2) Partial order relation
  - 3) asymmetric relation
- c) Write converse, inverse, and contrapositive for “If surface area decreases then pressure increase”

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

- a) If  $A = \begin{bmatrix} 2 & 4 & 4 \\ 4 & 2 & 4 \\ 4 & 4 & 2 \end{bmatrix}$  show that  $A^2 - 8A$  is a scalar matrix.
- b) Find matrix representation for given relation  
 $R = \{(1,2), (1,3), (1,4), (2,3), (2,4), (3,4), \}$  on  $A = \{1,2,3,4\}$  and also find in-degree and out-degree.
- c) Using truth table examine whether the following statement is tautology, contradiction, or contingency  $(\sim p \rightarrow q) \wedge (p \wedge r)$

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

- a) Define logical equivalence. Using truth table check whether the given statement is logical equivalent or not.  

$$(p \vee q) \rightarrow r = (p \rightarrow r) \wedge (q \rightarrow r)$$
- b) Define transitive closure and find transitive closure by using Warshall's algorithm for  $R = \{(1,3), (2,1), (2,4), (3,3), (4,1), (4,2)\}$  be a relation on set  $A = \{1,2,3,4\}$



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

- a) Calculate A.M. from following frequency distribution.

X	2	4	6	8	10
f	5	8	7	4	2

- b) Explain Simple random sampling method.
- c) Let  $n = 8$ ,  $\sum X = 60$ ,  $\sum Y = 40$  &  $\sum X^2 = 524$ ,  
 $\sum Y^2 = 450$  &  $\sum XY = 365$   
 find correlation coefficient between X & Y.

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

- a) Explain scatter diagram method of studying correlation between two variables.
- b) Draw the histogram from the following data. Hence determine mode.

Classes	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	5	10	15	20	8	4

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**BCA (Semester - II) (New) (NEP CBCS) Examination: March/April – 2025**  
**Basics of Software Engineering (G10-GE-OE-201)**

Day & Date: Wednesday, 14-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) Who proposed the spiral model?
  - a) Ken Thompson
  - b) Royce
  - c) Pressman
  - d) Barry Boehm
- 2) \_\_\_\_\_ is a software development activity that is not a part of software processes.
  - a) Specification
  - b) Validation
  - c) Dependence
  - d) Development
- 3) What is the primary goal of software engineering?
  - a) To write code quickly
  - b) To design and develop high-quality software
  - c) To test software thoroughly
  - d) To manage software projects
- 4) \_\_\_\_\_ testing is a type of software testing that involves testing the software without knowing its internal workings.
  - a) Black box
  - b) White box
  - c) Both a and b
  - d) None of these
- 5) What is the purpose of software maintenance?
  - a) To fix bugs and defects
  - b) To add new features and functionality
  - c) To improve software performance and efficiency
  - d) All of the above
- 6) Which of the following is a software development methodology?
  - a) Agile
  - b) Waterfall
  - c) V-Shape
  - d) All of the above

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

- 1) What is decision table?
- 2) What are the coding standards?
- 3) What is software engineering?
- 4) Explain data dictionary.
- 5) Write types of system.

- Q.3 Answer the following (Any Two) 06**
- 1) Write on: ERD
  - 2) Explain the characteristics of software.
  - 3) What are the functional and non-functional requirements?
- Q.4 Answer the following (Any Two) 06**
- 1) Explain data flow diagrams.
  - 2) What is the role of system analyst in software development?
  - 3) Explain spiral model in details.
- Q.5 Answer the following (Any One) 06**
- 1) Explain the waterfall model in details.
  - 2) What is fact finding technique? Explain their types.

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**B.C.A. (Sem - II) (New) (NEP CBCS) Examination: March/April - 2025**  
**English / English for communication (ENG-201)**

Day & Date: Thursday, 15-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 alternatives from the following:** **06**

- 1) Which type of listening helps in learning?
 

a) Selective	b) Comprehensive
c) Appreciative	d) Discriminative
- 2) Why is tone important in speech?
 

a) It conveys emotions	b) It changes grammar
c) It makes speech longer	d) It removes meaning
- 3) Which tone is used in commands?
 

a) Rising	b) Falling
c) Neutral	d) Flat
- 4) Which of the following is NOT a type of formal writing?
 

a) Formal letters	b) Newspaper reports
c) Personal diary entries	d) Headline
- 5) What is the first element of a newspaper report?
 

a) Conclusion	b) Headline
c) Supporting details	d) Salutation
- 6) What does CC stand for in email.
 

a) Copy Contact	Carbon Copy
c) Complete Content	d) Customer Care

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

- a) What is tone in English? Explain.
- b) Write definitions of listening.
- c) Write types of E-mails.
- d) What is blog? Explain different types.

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

- a) Why good listening is important. Explain effective ways to improve listening skills.
- b) How is listening different from Hearing.

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

**12**

- a)** What is formal letter? Explain its structure with examples.
- b)** Write parts of newspaper reports and explain guidelines for writing newspaper reports.

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**B.C.A. Sem – II (New) (NEP CBCS) Examination:  
March/April - 2025  
Environmental Science (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.C.A. (Semester - II) (New) (NEP CBCS) Examination: March/April - 2025**  
**Programming using C-II (G10-0201)**

Day & Date: Monday, 19-05-2025  
 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 alternative. 06**

- 1) \_\_\_\_\_ is the return type of function, if no value returned from the function.
  - a) Double
  - b) Void
  - c) Null
  - d) Float
- 2) Which of the following is not a storage class in C?
  - a) Auto
  - b) register
  - c) Static
  - d) volatile
- 3) \_\_\_\_\_ function is used to close the opened file.
  - a) end()
  - b) fclose()
  - c) exit()
  - d) none of these
- 4) Which of the following is the correct ways of declaring a int pointer.
  - a) int ptr;
  - b) int\*ptr;
  - c) \*int ptr;
  - d) None of the above
- 5) What are the types of C Preprocessor Directives?
  - a) Macros
  - b) Conditional Compilation
  - c) File Inclusion
  - d) All the above
- 6) Which operator is used to get the address of a variable?
  - a) \*
  - b) &
  - c) ^
  - d) %

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

- a) What is local and global variable?
- b) What is pointer?
- c) What is preprocessor?
- d) What is Recursion?
- e) Use of getch() and putch().

- Q.3 Answer the following. (Any two) 06**
- a) Short note on nested structure.
  - b) Write a C program to calculate factorial of entered number using function.
  - c) Explain pointer and function concept with example.
- Q.4 Answer the following. (Any two) 06**
- a) Write the difference between call by value and call by reference.
  - b) Write a C program to demonstrate write and read data-from FILE.
  - c) Write the difference between structure and union.
- Q.5 Answer the following. (Any one) 06**
- a) Explain different types of user defined functions with example.
  - b) Explain different types of storage classes in c programming.

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**B.C.A. (Semester - II) (New) (NEP CBCS) Examination: March/April – 2025**  
**Python-II (G10-0202)**

Day & Date: Tuesday, 20-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) What is the correct way to define a constructor in python?
  - a) `def __init__(self):`
  - b) `def __constructor__(self):`
  - c) `def init(self):`
  - d) `def __construct__(self):`
- 2) How do you start a new thread in python?
  - a) `thread.run()`
  - b) `thread.execute()`
  - c) `thread.start()`
  - d) `thread.launch()`
- 3) How can you import a module in python?
  - a) `import module_name`
  - b) `include module_name`
  - c) `load module_name`
  - d) `require module_name`
- 4) What is the correct way to close an open file in Python?
  - a) `file.stop()`
  - b) `file.close()`
  - c) `file.quit()`
  - d) `File.end()`
- 5) How do you indicate that a method belongs to a class and not an instance?
  - a) By using `@staticmethod` decorator
  - b) By using `self`-keyword
  - c) By declaring it outside the class
  - d) By using `@classmethod` decorator
- 6) Which of the following is used to define a block of code that will always execute, regardless of whether an exception occurs?
  - a) `except`
  - b) `try`
  - c) `finally,`
  - d) `raise`

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

06

- What is the math module in Python, and what types of functions does it provide?
- What is a constructor in python, and how do you define it?
- What is an error in a Python program, and how is it different from an exception?
- Write a Python program to the use of a lambda function.
- What is a thread in Python, and how is it different from a process?

- Q.3 Attempt the following. (Any Two) 06**
- a) List and explain the main features of object-oriented programming.
  - b) Create a Python function that accepts two numbers and returns the largest number.
  - c) What are file opening modes in python, and what do they mean?
- Q.4 Attempt the following: (Any Two) 06**
- a) Explain the purpose and syntax of the try block in exception handling.
  - b) Explain the difference between an abstract class and a normal class in Python.
  - c) Write a Python program to demonstrate the creation of a class with a constructor and methods.
- Q.5 Attempt the following: (Any One) 06**
- a) What are the types of inheritance in Python? Explain multiple inheritance and hierarchical inheritance with example.
  - b) What is thread synchronization, and why is it necessary in multi-threaded programs? Give one example.

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**B.C.A. (Semester - II) (New) (NEP CBCS) Examination: March/April - 2025**  
**Numerical Mathematics (G10-0203)**

Day & Date: Thursday, 22-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.  
 3) Use of scientific calculator is allowed.

**Q.1 A) Choose correct alternatives. (MCQ)**

**06**

- 1)  $0.006257 = \underline{\hspace{2cm}}$  in floating point representation.
 

a) $0.6257 E_2$	b) $0.6257 E_{-2}$
c) $0.06257 E_0$	d) $0.06257 E_4$
- 2) While doing Multiplication of two numbers in normalized floating point notation exponents should be \_\_\_\_\_.
 

a) added	b) subtracted
c) multiplied	d) made equal
- 3) Put  $n = \underline{\hspace{2cm}}$  in general quadrature formula we get simpsons 1/3 rd rule.
 

a) 1	b) 2
c) 3	d) None of these
- 4) Taylor series method is used to solve \_\_\_\_\_ equations.
 

a) Differential	b) Integral
c) Interpolating	d) none of these
- 5) The first order divided difference is \_\_\_\_\_.
 

a) $f(x_1) - f(x_0)/x_1 - x_0$
b) $x_1 - x_0$
c) $f(x_1) - f(x_0)/x_1 - x_0$
d) $f(x) - f(x + h)$
- 6) While doing addition of two numbers in normalized floating point notation mantissa should be \_\_\_\_\_.
 

a) added	b) subtracted
c) multiplied	d) made equal

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

- a) Prepare the Backward difference table for following data.

x	5	10	15	20	25
f(x)	40	55	88	145	192

- b) Write General Quadrature formula.  
 c) Define percentage error with example.  
 d) Define Absolute and Relative error with suitable example.  
 e) Find the value of  $(0.7925 E_4 + 0.4524 E_5)$ . Write your answer in normalized floating point form

**Q.3 Answer the following. (Any two)****06**

- a) Prepare forward difference table of the following data.

X	4	5	6	7
Y	3	5	7	9

- b) Evaluate  $\int_0^{10} 1/(1+x) dx$  by using Trapezoidal rule take  $h = 1$

- c) By using Newtons Divided difference find F (3.8)

X	2	2.5	3	3.5	4
Y	7	14.125	25	40.375	61

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

- a) Evaluate  
 1)  $0.8077E_{11} \times 3.4589E_{-15}$   
 2)  $72.532E_{-2} \div 12.45E_{-4}$   
 b) If  $f(1) = 3, f(2) = 7, f(5) = 31$ , Then find  $f(4)$  by Lagrange's interpolation formula.  
 c) Find  $y(0.4)$  for  $y' = xy, x_0 = 0, y_0 = 1$ , with step length 0.1 using Runge-Kutta 2 -method.

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

- a) Find f(g) by Newton's forward difference interpolation formula, by using following data.

x	5	10	15	20	25
f(x)	3	7	12	17	26

- b) Given  $dy/dx = x + y, y(1) = 0$ . obtain Taylors series method  $y(0.1)$  correct upto 4 decimal places.

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**B.C.A. (Semester - II) (New) (NEP CBCS) Examination: March/April - 2025**  
**Probability Theory (G10-0204)**

Day & Date: Thursday, 22-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.  
3) Use of calculator is allowed.

**Q.1 Choose most correct alternative.**

06

- 1) In  ${}^n P_r$  \_\_\_\_\_
  - a)  $n > r$
  - b)  $n \geq r$
  - c)  $n < r$
  - d) None of these
- 2) A random experiment has \_\_\_\_\_ outcomes.
  - a) One
  - b) Two
  - c) more than one
  - d) none of these
- 3) If  $P(A) = P(B)$  then events A and B are \_\_\_\_\_.
  - a) mutually exclusive
  - b) exhaustive
  - c) equally likely
  - d) all of these
- 4) If  $X \rightarrow U(5, 10)$  then  $E(X) =$  \_\_\_\_\_.
  - a) 5
  - b) 10
  - c) 7.5
  - d) 8
- 5) If  $X \rightarrow B(10, 0.5)$  then  $P(X = 11) =$  \_\_\_\_\_.
  - a) 0
  - b) 1
  - c) 0.5
  - d) None of these
- 6) If  $F(x)$  is c.d.f. of discrete r.v.  $X$  then  $p(a \leq X \leq b) =$  \_\_\_\_\_.
  - a)  $F(b) - F(a)$
  - b)  $F(b) - F(a) + P(a)$
  - c)  $F(b) - F(a) - P(a)$
  - d) none of these

**Q.2 Answer any THREE of the following**

06

- Define mutually exclusive events.
- Define Poisson Distribution.
- Find  $x$  if  ${}^{10}P_x = {}^{10}C_x$
- Given  $P(B) = 0.6$ ,  $P(A/B) = 0.8$  find  $(A \cap B)$
- The mean and variance of binomial distribution are 6 and 3.6 respectively, find  $p$

**Q.3 Attempt any TWO of the following****06**

- a) Prove That  $P(\phi) = 0$ .
- b) Find number of possible ways to invite 5 persons out of 6 friends and 5 relatives such that at least 3 relatives are to be included.
- c) The p.m.f. of discrete r.v, X is as follows, find k.

X	1	2	3	4	5
P(x)	k	2k	3k	4k	5k

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

- a) A r.v, X has normal distribution with p.d.f. as follows. Find mean and variance of X.
- $$f(x) = k \cdot \exp - \frac{1}{30} (x^2 - 20x + 100) - \infty \leq x \leq \infty$$
- b) State properties of c.d.f. of discrete r.v.
- c) Define binomial distribution and state its additive property.

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

- a) The p.d.f. of r.v, X is as follows, find k and then  $E(X), V(X)$
- $$f(x) = k \cdot x^2, 4 < x < 6$$
- b) Define -
- 1) probability
  - 2) conditional probability
  - 3) independent events

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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.C.A (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) 24<sup>th</sup> September                      b) 12<sup>th</sup> January  
c) 15<sup>th</sup> August                          d) 05<sup>th</sup> 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.C.A (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)

- अ) व्यक्तिमत्व विकासामध्ये एन.सी.सी. कॅडेट ची भूमिका स्पष्ट करा.  
किंवा
- ब) उत्तम नेतृत्वासाठी महत्वाची मूल्ये स्पष्ट करा.

Seat No.	
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Set **P**

**B.C.A (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.

Seat No.	
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Set	P
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**B.C.A. (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.

<b>Seat No.</b>	
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Set **P**

**B.C.A. (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
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**B.C.A (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.

Set 

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**B.C.A (सत्र – II) (नवीन) (NEP CBCS) परीक्षा: मार्च/एप्रिल – २०२५**  
**Co-Curricular Course**  
**Health, Wellness and Fitness (CC-205)**

वार, दिनांक : बुधवार, २१-०५-२०२५

कमाल गुणः १५

वेळ: सकाळी ०९:०० ते १०:३०

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

प्र.१ योग्य पर्याय लिहा.

08

- १) एन. आय. एच. ही संस्था ——— संबंधित कार्य करते.  
अ) आरोग्य ब) खेळ  
क) व्यवसाय ड) यापैकी नाही
- २) ——— हा जीवनसत्त्व प्रकार नाही.  
अ) अ ब) ब  
क) क ड) झेड
- ३) जागतिक आरोग्य संघटनेचे मुख्यालय ——— या ठिकाणी आहे.  
अ) लंडन ब) रोम  
क) जिनेव्हा ड) कतार
- ४) ——— याला वैयक्तिक स्वच्छता म्हणता येईल.  
अ) आघोळ करणे ब) नखे काढणे  
क) स्वच्छ कपडे घालणे ड) वरील सर्व

प्र.२ खालील प्रश्नांची थोडक्यात उत्तरे लिहा. (कोणतेही तीन)

03

- १) तंदुरुस्ती ची व्याख्या लिहा.
- २) वैयक्तिक स्वच्छता म्हणजे काय?
- ३) प्रौढ व्यक्तींनी दिवसभरात किती लिटर पाणी पिणे आवश्यक आहे.
- ४) सामाजीक आरोग्याचे घटक लिहा.

प्र.३ सविस्तर उत्तरे लिहा. (कोणताही एक)

04

- अ) शारीरिक तंदुरुस्ती चे घटक लिहा आणि उदहरणासह स्पष्ट करा.  
किंवा  
ब) जागतिक आरोग्य संघटनेचे सविस्तर कार्य लिहा.

<b>Seat No.</b>	
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Set P

**B.C.A (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.

Seat No.	
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Set	P
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**B.C.A. (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 of yoga.
- 2) Explain the importance of pranayama.