

**Far Western University**  
**Faculty of Humanities and Social Sciences**  
**Bachelor of Computer Application (BCA)**



**BCA Entrance Syllabus 2082**

**Office of the Dean**  
**Faculty of Humanities and Social Sciences**  
**Mahendranagar, Kanchanpur**

**Far Western University**  
**Faculty of Humanities and Social Sciences**  
**BCA Entrance Syllabus 2082**

The syllabus for the BCA Entrance Exam is based on the curriculum prescribed by the Faculty of Humanities and Social Sciences (FOHSS), Far Western University.

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The BCA Entrance exam syllabus consists of a total of 100 questions with a maximum of 100 marks. The total duration of the BCA entrance exam is 2 hours.

**1. BCA Entrance Nepali Syllabus (Total Marks 10)**

**वर्णविन्यास**

- नेपाली वर्णविन्यास (ह्रस्व/दीर्घ, श/ष/स, ब/व, य/ए, ज्ञ/र्यं, क्ष/छ्य/छे,)
- पदयोग/पदवियोग तथा लेख्यचिन्हको प्रयोग

**शब्दभण्डार**

- शब्दस्रोतगत वर्गीकरण (तत्सम, तद्भव र आगन्तुक)
- शब्दवर्ग विकारी : नाम, सर्वनाम, विशेषण र क्रिया अविकारी/अव्यय : नामयोगी, क्रियायोगी, संयोजक, निपात र विस्मयादिबोधक
- शब्दनिर्माण प्रक्रिया : उपसर्ग, प्रत्यय, समास र द्वित्व प्रक्रियाद्वारा शब्दनिर्माण
- नेपाली वर्णानुक्रम र कोशीय प्रविष्टिको पहिचान र प्रायोग

**वाक्यतत्त्वपरक रचना र वाक्यान्तरण**

- वाक्यतत्त्व : उद्देश्य र विधेय (उद्देश्यविस्तार तथा विधेयविस्तारसहित)
- वाक्यतत्त्वपरक रचना : लिङ्ग, वचन, पुरुष, आदर, काल, पक्ष, भाव, वाच्य तथा करण अकरणका आधारमा सङ्गतिपूर्ण वाक्यरचना
- वाक्यान्तरण : लिङ्ग, वचन, पुरुष, आदर, काल, पक्ष, भाव, वाच्य तथा कथन (प्रत्यक्ष-अप्रत्यक्ष) सँग सम्बद्ध वाक्यान्तरण
- वाक्यसंश्लेषण

**2. BCA Entrance English Syllabus (Total Marks 30)**

- Synonyms and Antonyms
- One word substitution
- Phrasal verbs
- Idioms and phrases
- Words followed by prepositions
- Use of articles
- Subject-verb agreement
- Relative pronouns
- Causative verbs
- Use of tenses
- Reported speech
- Active and passive voice
- Questions tags
- Conditional sentence
- Use of prepositions
- Use of conjunctions
- prefix and Suffix
- pronoun

**3. BCA Entrance IT Syllabus (Total Marks 20)**

- HTML
- Hardware and Software
- Full forms
- Internet and email
- Inventions
- Programming
- Input and output devices

**4. BCA Entrance Mathematics Syllabus (Total Marks 30)**

- Set and relation
- Percentage
- Integers
- HCF & LCM
- Time and work
- Algebra

- Probability
- Ratio and proportion
- Sequence and series
- Law of indices
- Simple interest
- Matrices and determinants
- Polynomial equations
- Averages
- Profit and loss
- Trigonometry
- Logarithm
- Statistics
- Coordinate Geometry
- Area and volume
- Permutation and combination
- Coding and Decoding
- Letter and symbol series
- Number series

#### **5. BCA Entrance General Knowledge Syllabus (Total Marks 10)**

- History of Nepal
- Geography of Nepal and the World
- Largest, longest, smallest & deepest of Nepal
- World largest, tallest. smallest country. buildings, place. rivers, sea, ocean, mountain. etc.
- Nickname of important places
- World economy
- Top crop producers in the world
- United Nations Organizations (UNO)
- World Cup and Euro Cup football
- Asian Games
- General knowledge of the Cricket World Cup
- General knowledge of the Olympics
- Prime Ministers of Nepal
- Miss Nepal winner (Present and Past)
- Capital cities (Famous Country)
- Some scientific inventions

### Entrance Exam Implementation Model

1. **Schedule for entrance exam:** Regular (main or first) entrance exam shall be concluded normally within two months from the date of publishing results of grade XII by NEB.
2. **Number of questions:** Total number of questions shall be 100.
3. **Duration of exam:** A minimum duration of entrance exam shall be of 2 hours.
4. **Types of questions:** All the questions shall be of multiple-choice question (MCQ).
5. **Weightage and Distribution of Questions:** The weightage and distribution of questions shall be as specified in the syllabus.

### Evaluation and Result Publication Process

1. **Weightage of entrance examination for merit list:** The merit list shall be prepared with 100% weightage to score of entrance examination.
2. **Threshold to include in merit list:** A minimum threshold to include in the merit list shall be 40%, however, in special circumstances; university may re-visit the threshold after deciding from the decision-making authority of the University.
3. **Time-line for publishing results:** Results shall be published within 7 working days after completion of the entrance exam.
4. **Medium for Publishing Results:** The results of the entrance examination shall be announced through the university's official website and displayed on the notice boards of the respective departments/campuses.

### Framework and Contents for Syllabus

Name of the Course	Weightage	Number of questions	Total marks allocated
Nepali	10%	10	10 (questions) x 1 (mark) =10
English	30%	30	30 (questions) x 1 (mark) =30
IT	20%	20	20 (questions) x 1 (mark) =20
Mathematics	30%	30	30 (questions) x 1 (mark) =30
General Knowledge	10%	10	10 (questions) x 1 (mark) =10
<b>Total</b>	<b>100%</b>	<b>100</b>	<b>100</b>