

Mathematics Syllabus BCA Total Marks 50

- ✓ **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 and logarithm Statistics**
- ✓ **Coordinate Geometry**
- ✓ **Area and volume**
- ✓ **Permutation and combination Coding and Decoding**
- ✓ **Letter and symbol series Clock problem**
- ✓ **Number series**
- ✓ **Ranking test**
- ✓ **Missing number**

BCA ENGLISH SYLLABUS TOTAL MARKS 50

- ✓ **Synonyms and Antonyms**
- ✓ **Passage Reading**
- ✓ **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**
- ✓ **To infinitives and gerunds**
- ✓ **Conditional sentence**
- ✓ **Use of prepositions**
- ✓ **Use of conjunctions**

BCA General Knowledge and IT TOTAL MARKS 10

- ✓ First person in Nepal
- ✓ Geography of Nepal and World
- ✓ Largest, longest, smallest & deepest of Nepal
- ✓ World largest, tallest. smallest country. buildings, place. rivers, sea, ocean, mountain. etc.
- ✓ Nickname of important places (sobriquets)
- ✓ World economy
- ✓ Top crop producers in the world
- ✓ United Nations Organizations (UNO)
- ✓ World cup and euro cup football
- ✓ General knowledge on cricket world cup
- ✓ General knowledge on Olympics
- ✓ Prime ministers of Nepal
- ✓ Miss Nepal winner
- ✓ Capital cities
- ✓ Some scientific inventions
- ✓ HTML ✓ Hardware and Software ✓ Full forms
- ✓ Internet and email ✓ Inventions
- ✓ Programming ✓ Input and output devices