

Syllabus of Entrance Examination for 2081 B.S.
Class: 8

Time: 1 hr. 40 mins

F.M. 100

1. English (20 Marks)

- a. Pronouns
- b. Adjectives
- c. Adverbs
- d. WH questions
- e. Tense
- f. Prepositions
- g. Reported Speech
- h. Conjunction
- i. Essay

2. Nepali (20 Marks)

- (क) वर्ण विन्यासगत शुद्धता
- (ख) शब्दभण्डार - पर्यायवाची, विपरीतार्थी, श्रुतिसमभिन्नार्थी, अनेकार्थी, पारिभाषिक वा प्राविधिक शब्द, लघुतावाची शब्द, अनुकरणात्मक शब्द
- (ग) पदवर्ग पहिचान - नाम, सर्वनाम, विशेषण, क्रियापद र अव्यय
- (घ) कारक र विभक्ति चिन्हको पहिचान र प्रयोग
- (ङ) व्याकरणिक कोटि - लिङ्ग, वचन, पुरुष, आदर, करण-अकरण, क्रियाको भाव
- (च) चर्चित नेपाली साहित्यकार र तिनका कृतिहरू
- (छ) काल र पक्ष - वर्तमान, भूत, भविष्यत्
- (ज) उखान टुक्का (प्रचलित उखान-टुक्काको अर्थ र वाक्यमा प्रयोग)
- (झ) अनुच्छेद लेखन (रचनात्मक लेखन)

3. Mathematics (20 Marks)

- a. Set: Types of set, Universal and subset, Equivalent and equal sets.
- b. Arithmetic:
 - Square, cube, square root and cube root
 - Simplification, H.C.F. and L.C.M. of whole numbers
 - Rational number
 - Fraction, Profit and loss and unitary method
- c. Mensuration: Area, perimeter and volume (Cube, Cuboid and circle)

d. Algebra: Indices, Algebraic expression (Multiplication, Use of formula $(a \pm b)^2$), Equation

e. Geometry: Types of angles, properties of triangle, parallelogram, rectangle, square

4. Science (20 Marks)

- a. Scientific Learning
- b. Information and communication technology
- c. Organisms and their structures
- d. Biodiversity and Environment
- e. Life process
- f. Force and motion
- g. Energy in daily life
- h. Electricity
- i. Matter
- j. Materials used in daily life
- k. The Earth and space

5. GK and IQ (20 Marks)

- a. History and Culture
- b. Geography
- c. Sports
- d. Literature
- e. Science and Technology
- f. Current affairs
- g. Miscellaneous

Note: Some minor changes might be made based on class 7 curriculum.