

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.