

Syllabus of Entrance Examination for 2081 B.S.

Class: 9

Time: 1 hr. 40 mins

F.M. 100

A. ENGLISH (20 Marks)

1. Grammar
 - a. Parts of speech
 - b. Articles
 - c. Tag questions
 - d. Tense
 - e. Preposition
 - f. Voice
 - g. Reported speech
 - h. Adjectives and adverbs
 - i. subject-verb agreement
 - j. Negation and question
2. Writing (Paragraph/Letter/Email)

B. NEPALI (20 Marks)

- (१) वर्ण विन्यासगत शुद्धता
- (२) शब्दभण्डार - पर्यायवाची, विपरीतार्थी, श्रुतिसमभिन्नार्थी, अनेकार्थी, पारिभाषिक वा प्राविधिक शब्द, लघुतावाची शब्द, अनुकरणात्मक शब्द
- (३) पदवर्ग पहिचान - नाम, सर्वनाम, विशेषण, क्रियापद र अव्यय
- (४) कारक र विभक्तिको पहिचान र प्रयोग
- (५) व्याकरणिक कोटि - लिङ्ग, वचन, पुरुष, आदर, करण-अकरण, क्रियाको भाव
- (६) चर्चित नेपाली साहित्यकार र तिनका कृतिहरू
- (७) काल र पक्ष - वर्तमान, भूत, भविष्यत्
- (८) उखान टुक्का (प्रचलित उखान-टुक्काको अर्थ र वाक्यमा प्रयोग)
- (९) अनुच्छेद लेखन (रचनात्मक लेखन)

C. MATHEMATICS (20 Marks)

1. Arithmetic
 - a. Simple Interest
 - b. Percentage
 - c. Ratio & Proportion
 - d. Profit and Loss
 - e. Binary & Quinary Number System
 - f. Scientific Notation
 - g. Unitary Method
2. Mensuration
 - a. Parallelogram
 - b. Circle
 - c. Triangle
 - d. Trapezium and Rhombus

3. Set
 - a. Overlapping and Disjoint Sets b. Proper and Improper Subsets
4. Statistics
 - a. Mean and Median of individual series
5. Algebra
 - a. Laws of Indices b. Factorization of the type $a^2 - b^2$ and $ax^2 + bx + c$
 - c. HCF and LCM d. Simplification of algebraic fractions
 - e. Solution of quadratic equation
6. Geometry
 - a. Angles (alternate, corresponding and co-interior angles)
 - b. Properties of Triangles
 - c. Properties of Quadrilaterals (rhombus, trapezium and kite)
 - d. Similar and Congruent Triangles
 - e. Distance between two points

D. SCIENCE (20 Marks)

1. Life process
 - a. Asexual Reproduction in Plants and Animals
 - b. Sexual Reproduction in Plants and Animals c. Seed
2. Energy, Force and Motion
 - a. Velocity and Acceleration b. Lever c. Pressure d. Light
3. Matter
 - a. Matter and Modern Periodic Table
4. Materials Used in Daily Life
 - a. Acid, Base and Salt b. Hardness of Water c. Alloy
5. The Earth and the Universe
 - a. Minerals b. Origin and Age of Earth
 - c. History of Evolution of Living Beings on Earth d. The Universe

E. GK & IQ (20 Marks)

1. History and Culture
2. Geography
3. Sports
4. Literature
5. Science and Technology
6. Current affairs
7. Miscellaneous
8. IQ

Note: Some minor changes might be made based on class 8 curriculum.