

Unit – V Hydrogeology and Environmental Geology

Natural hazards – preventive / precautionary measures of floods, landslides, earthquakes, tsunami, coastal erosion. Impact assessment of anthropogenic activities: opencast mining, river valley projects, solid and radioactive waste disposal, excess withdrawal of groundwater, oil spill. Concept of global warming, sea level rise.

Vertical distribution of groundwater, classification of aquifers, hydrologic cycle. Hydrological properties: porosity, permeability, Darcy's law and its application. Groundwater provinces of India. Groundwater quality and contamination, groundwater recharge, rainwater harvesting.

Engineering properties of rocks, geological investigation for dams and reservoirs.

Tunnels: type, method and problems.

Hindi

PAPER-I

Unit-I Hindi sahitya Ka Itihas

- (A) Adikal (Pramukha Kabi aur Kavya Prabritiyan)
- (B) Bhaktikal & ritikal (Pramukha Kabi aur Kavya Prabritiyan)

Unit-II Hindi sahitya Ka Itihas (Adhunik Kal)

- (A) Bharatendu Yug, Dwivedi Yug. Chayabad Yug,
- (B) Pragatibad, Prayogbad & Nai Kabita (Pramukh Kavi aur Kavya Prabritiyan)

Unit-III Madhyakalin Kavya

- (A) Kabirdas, Surdas, Tulsidas
- (B) Biharilal, Raheem, Ghanananda.

Unit-IV Hindi Gadya Sahitya (Upanyas, Kahani, Natak, Ekanki)

- (A) Upanyas aur Kahani
 - i) Godan, (Premchand), Maila anchal, (Renu), Ragdarbari (Shrilal Shukla)
 - ii) Kahani Sangrah – Edited by Bhishma Sahani (Sahitya Akademi, New Delhi.)
- (B) Hindi Natya – Sahitya
 - i) Skandgupta – Jaishankar Prasad.
 - ii) Ashadh Ka ek Din – Mohan Rakesh
 - iii) Shrestha Hindi Ekanki – Edited by Prof. Bijoypal Singh Viswavidyalay Prakasan, Varanasi.

Unit-V Hindi Nibandha – Alochana

- (A) (i) Acharya Ram Chandra Shukla (Chintamani, Part-I)
- (ii) Hazari Prasad Dwivedi (Ashok Ke Phool)
- (B) (i) Kavya Kala tatha anyanya Nibandh (Jai Shankar Prasad)
- (ii) Dusri Parampara Ki Khoj (Prof. Namvar Singh).

PAPER- II

Unit-I **Basha Vigyan**

- (A) Bhasha (Paribhasha, Swaroop, Prakar, Bhasha Ke Vividh Roop)
Dhwani Vigyan (Vagyantra, Dhwaniyon Ka Vargikaran)
- (B) Hindi Bhasha aur Boli
 - (i) Hindi Bhasha Ka Udbhab aur Vikas.
 - (ii) Hindi Ke Vividh Roop (Rajbhasha, Rastrabhasha, Sampark Bhasha, Sanchar Bhasha).

Unit-II **Rajbhasha Hindi**

- (A) (i) Hindi Ki Sambaidhanik Sthiti.
- (ii) Devanagari lipi
- (B) (i) Paribhasik Sabdavali : Sidhant aur Prayog.
- (ii) Sarkari Patrachar

Unit-III **Kavya Shastra**

- (A) (i) Kavya: Paribhasha, Lakshna, Kavya Prayojan
- (ii) Alankar Sidhant, Ras Sidhant, Dhwani Sidhant.
- (C) Paschatya Kavya Sastra
 - (i) Plato, Aristotle
 - (ii) I.A. Richards, T.S. Eliot.

Unit-IV **Tulanatmak Sahitya aur Anuvad**

- (A) Tulanatmak Sahitya : Paribhasha, Swaroop, Kshetra aur Seemayen.
- (B) Anuvad : Paribhasha, Prakar, Anuvadak Ke gun-dosh.

Unit-V **Adhunik Vidhayen**

- (A) Atmakatha, Rekhachitra, Sansmaran,
- (B) Yatra-Katha, Sakshatkar, Reportaz, Vyangya.