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|--------------|---|-----------|
| 3 | Infectious Diseases: Identification of causative microbes, molecular epidemiology, host resistance to infection, pathogenicity, combating infectious diseases | 8 |
| 4 | Health Programs: planning, implementation, Monitoring and Evaluation Components of strategic management, case studies | 10 |
| Total | | 42 |

Books: -

| S.No. | Name of Books/ Author/Publisher |
|-------|---|
| 1. | Oxford textbook of Public Health Ed. Roger Detels, James Mcewen, Robert Beaglehole, and Heizo Tanaka Oxford University Press (OUP) 4th Edition: 2002. |
| 2. | Public Health at the Crossroads – Achievements and Prospects. Robert Beaglehole and Ruth Bonita 2nd Edition Cambridge University Press |
| 3. | Maxcy-Rosenau-Last Public Health & Preventive Medicine, Fourteenth Edition Ed Robert Wallace, MD, et al. |
| 4. | Epidemiology and Management for Health Care: Sathe ,et al. Popular Prakashan, Mumbai, |

REHABILITATION ENGINEERING

Details of course: -

| Course Title | Course Structure | | | Pre-Requisite |
|------------------------------------|------------------|----|----|---------------|
| | L | T | P | |
| Rehabilitation Engineering (BT409) | 03 | 01 | 00 | Nil |

Course Objective: To Understand to Rehabilitation Engineering and its Principles

Course Outcome (CO):

- 1 Grasp principles of rehabilitation engineering for motor and communication disorders.
- 2 Learn fundamentals and applications of prosthetics and orthotics.
- 3 Understand sensory augmentation for visual, auditory, and tactual systems.
- 4 Explore application principles and future developments in rehabilitation engineering.
- 5 To Understand the conceptual framework