**St.Joseph’s College for Women ( Autonomous ) , Visakhapatnam**

**Time: 4 Hrs/Week PUBLIC HEALTH & EPIDEMIOLOGY Max. Marks: 100**

**Objectives:**

This course will enable the students to-

* Understand the concept of health from the individual and community perspective.
* Know the importance of epidemiology and demography in health.

**Course** :

**Unit I:** Health and its dimensions.

**Unit II:** Community and its organization - Concept of community, types of community , factors affecting community like environmental , social, cultural, dietary, economic , political and vulnerable groups

**Unit III:** Public Health, Demography and Epidemiology

**Unit IV:** Community health through the life span,vital statistics and their significance.

**Unit V** **:** Communicable and infectious disease control – Nature of diseases, contamination, transmission, and epidemiologic principles of disease control.

**REFERENCES:**

* + - 1. Fundamental principles of Bacteriology (1974) A.J.Salle.Mc.Graw Hill Publications, New Delhi.
      2. Bacteriology (1961) – R.E.Buchanna and E.D.Buchanan. Mac Millan Publishers, New Delhi.
      3. Fair brother’s Text book of Bacteriology – (1964) Ed.R.L.Vollum, D.G.Jamieson and C.S.Cummins William Heinemann, New York.
      4. Microbiology (2000) – A.K.Joshua. Popular Book Depot, Chennai.
      5. Food Microbiology (1995) – W.G.Frazier, McGraw Hill Publications, New Delhi.
      6. Food Microbiology (2005) – R. Ananthanarayan and C.K.Jayaram Orient Longmans, Hyderabad.
      7. Microbiology – M.J.Pelczar, R.D Reid and Scham (1993) TATA McGraw Hill Publications, New Delhi.

**St.Joseph’s College for Women ( Autonomous ) , Visakhapatnam**

**Time: 2 Hrs/Week PUBLIC HEALTH & EPIDEMIOLOGY Max. Marks: 50**

**PRACTICALS**

**Objectives:** This course will enable the students to-

* Understand the concept of health from the individual and community perspective.
* Know the importance of epidemiology and demography in health

**Unit I:** Field visits, surveillance systems for health programmes.

**Unit II:**Community survey, analysis and reporting

**REFERENCES:**

1. Fundamental principles of Bacteriology (1974) A.J.Salle.Mc.Graw Hill Publications, New Delhi.
2. Bacteriology (1961) – R.E.Buchanna and E.D.Buchanan. Mac Millan Publishers, New Delhi.
3. Fair brother’s Text book of Bacteriology – (1964) Ed.R.L.Vollum, D.G.Jamieson and C.S.Cummins William Heinemann, New York.
4. Microbiology (2000) – A.K.Joshua. Popular Book Depot, Chennai.
5. Food Microbiology (1995) – W.G.Frazier, McGraw Hill Publications, New Delhi.
6. Food Microbiology (2005) – R. Ananthanarayan and C.K.Jayaram Orient Longmans, Hyderabad.
7. Microbiology – M.J.Pelczar, R.D Reid and Scham (1993) TATA McGraw Hill Publications, New Delhi.

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