

AMBT22 STEM CELLS IN HEALTH CARE

UNIT-1 INTRODUCTION

Stem Cell Biology, Fate Mapping of Stem Cells

UNIT-2 STEM CELL PATTERN

Differentiated Parental DNA Chain Causes Stem Cell Pattern of Cell type Switching in *Schizosaccharomyces pombe*

UNIT-3 EQUIVALENCE GROUPS

On Equivalence Groups and the Notch/LIN-12 Communication System,

UNIT-4 CELL CYCLE CONTROL

Checkpoints, and Stem Cell Biology, Senescence of Dividing Somatic Cells

UNIT-5 THE DROSOPHILA OVARY

An In Vivo Stem Cell System

UNIT-6 MALE GERM-LINE STEM CELLS

UNIT-7 PRIMORDIAL GERM CELLS

As Stem Cells, Embryonic Stem Cells, Embryonal Carcinoma Cells as Embryonic Stem Cells, Trophoblast Stem Cells

UNIT-8 HEMATOPOIETIC STEM CELLS

Repopulating Patterns of Primitive Hematopoietic Stem Cells, Molecular Diversification and Developmental Interrelationships, Hematopoietic Stem Cells: Lymphopoiesis and the Problem of Commitment versus Plasticity, Hemangioblast

UNIT-9 MESENCHYMAL STEM CELLS OF HUMAN ADULT BONE MARROW

UNIT-10 STEM CELLS AND NEUROGENESIS

UNIT-11 EPIDERMAL STEM CELLS

Liver Stem Cells, Pancreatic Stem Cells, Stem Cells in the Epithelium of the Small Intestine and Colon

Reference Books

1. Developmental Biology, 6th Edition, Scott F. Gilbert
2. Hematology, William J. Williams, Ernest Beutler, Allan JU. Erslev, Marshall A. Lichtman