

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT /ASSOCIATE PROFESSOR: DR. RAJIV KALSI
CLASS/SECTION : B.SC IIIRD YEAR
SUBJECT : ZOOLOGY

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Introduction to world fisheries	-----
DAY2 DATE 2-1-18	World fisheries: Production	-----
DAY3 DATE 3-1-18	-----	-----
DAY4 DATE 4-1-18	World fisheries: Demand	-----
DAY5 DATE 5-1-18	Fresh Water fishes of India	-----
DAY6 DATE 6-1-18	River system	-----
DAY7 DATE 8-1-18	Reservoir fisheries	-----
DAY8 DATE 9-1-18	Pond fisheries - 1	-----
DAY9 DATE 10-1-18	-----	-----
DAY10 DATE 11-1-18	Tank fisheries	-----
DAY11 DATE 12-1-18	Captive fisheries	-----
DAY12 DATE 13-1-18	Culture fisheries	-----
DAY13 DATE 15-1-18	Cold water fisheries	-----
DAY 14 DATE 16-1-18	Fishing crafts	-----
DAY15 DATE 17-1-18	-----	-----
DAY16 DATE 18-1-18	Fin fishes	-----
DAY17 DATE 19-1-18	Crustaceans culture	-----
DAY18	Molluscs culture	-----

DATE 20-1-18		
DAY19 DATE 22-1-18	HOLIDAY	-----
DAY20 DATE 23-1-18	SPORTS DAY	-----
DAY21 DATE 24-1-18	HOLIDAY	-----
DAY22 DATE 25-1-18	Introduction to the pests of crops	-----
DAY23 DATE 26-1-18	HOLIDAY	-----
DAY 24 DATE 27-1-18	Introduction to the pests of vegetables	-----
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 29-1-18	Sugercane leaf-hopper (<i>Pyrilla perpusilla</i>): systematic position, habits and nature of damage caused	-----
DAY2 DATE 30-1-18	Sugercane leaf-hopper (<i>Pyrilla perpusilla</i>): Life cycle and control	-----
DAY3 DATE 31-1-18	HOLIDAY	-----
DAY4 DATE 1-2-18	Sugercane leaf-hopper (<i>Pyrilla perpusilla</i>): control	-----
DAY5 DATE 2-2-18	Sugercane Whitefly (<i>Aleurolobus barodensis</i>): systematic position, habits and nature of damage caused	-----
DAY6 DATE 3-2-18	Sugercane top borer (<i>Sciropophaga nivella</i>): systematic position, habits and nature of damage caused	-----
DAY7 DATE 5-2-18	Sugercane root borer (<i>Emmalocera depresella</i>): systematic position, habits and nature of damage caused	-----
DAY8 DATE 6-2-18	Gurdaspur borer (<i>Bissetia steniellus</i>): systematic position, habits and nature of damage caused	-----
DAY9 DATE 7-2-18	-----	-----
DAY10 DATE 8-2-18	BT Cotton	-----
DAY11 DATE 9-2-18	ASSIGNMENT 1	-----
DAY12 DATE 10-2-18	HOLIDAY	-----

DAY13 DATE 12-2-18	Pink bollworm (<i>Pestiphora gossypifolia</i>): systematic position, habits and nature of damage caused	-----
DAY14 DATE 13-2-18	HOLIDAY	-----
DAY15 DATE 14-2-18	-----	-----
DAY16 DATE 15-2-18	Red cotton bug (<i>Dysdercus Cingulatus</i>): systematic position, habits and nature of damage caused	-----
DAY17 DATE 16-2-18	Cotton grey weevil (<i>Myloccerus undecimpustulatus</i>): systematic position, habits and nature of damage caused	-----
DAY18 DATE 17-2-18	Cotton Jassid (<i>Amrasca devastans</i>): systematic position, habits and nature of damage caused	-----
DAY19 DATE 19-2-18	Wheat stem borer (<i>Sesamia inferens</i>): systematics position, habits, nature of damage caused.	-----
DAY20 DATE 20-2-18	Wheat stem borer (<i>Sesamia inferens</i>): Life cycle and control.	-----
DAY21 DATE 21-2-18	-----	-----
DAY22 DATE 22-2-18	Gundhi bug (<i>Leptocorisa acuta</i>): Life cycle and control.	-----
DAY23 DATE 23-2-18	Rice grasshopper (<i>Hieroglyphus banian</i>): systematic position, habits and nature of damage caused	-----
UNIT/PART III	TOPICB5	
	THEORY	PRACTICAL
DAY1 DATE 24-2-18	Rice stem borer (<i>Scirpophaga incertullus</i>): systematic position, habits and nature of damage caused	-----
DAY2 DATE 26-2-18	Rice Hispa (<i>Diceladispera armigera</i>): systematic position, habits and nature of damage caused	-----
DAY3 DATE 27-2-18	TEST & SEMINAR (PG CLASSES)	-----
DAY4 DATE 28-2-18	HOLIDAY	-----
DAY5 DATE 1-3-18	HOLIDAY	-----
DAY6 DATE 2-3-18	HOLIDAY	-----
DAY7	HOLIDAY	-----

DATE 3-3-18		
DAY8 DATE 5-3-18	<i>Raphidopalpa faveicollis</i> – The Red pumpkin beetle: systematics position, habits and nature of damage caused. Life cycle and control.	-----
DAY9 DATE 6-3-18	<i>Dacus cucurbitae</i> – The pumpkin fruit fly: systematic position, habits and nature of damage caused	-----
DAY10 DATE 7-3-18	-----	-----
DAY11 DATE 8-3-18	<i>Epilachna</i> – The Hadda beetle: systematic position, habits and nature of damage caused	-----
DAY12 DATE 9-3-18	Fish seed production: Natural seed resources – its assessment, collection, Hatchery production	-----
DAY13 DATE 10-3-18	ASSIGNMENT 2	-----
DAY 14 DATE 12-3-18	Nutrition: Sources of food (Natural, Artificial) and feed composition (Calorie and Chemical ingredients)	-----
DAY15 DATE 13-3-18	Field Culture: Ponds-running water, recycled water, cage, culture; poly culture	-----
DAY16 DATE 14-3-18	-----	-----
DAY17 DATE 15-3-18	Systematic position, habits and nature of damage caused. Life cycle and control of Wheat weevil <i>Trogoderma granarium</i> .	-----
DAY18 DATE 16-3-18	Pulse beetle (<i>Callosobruchus maculatus</i>): systematic position, habits and nature of damage caused	-----
DAY19 DATE 17-3-18	Rice weevil (<i>Sitophilus oryzae</i>): systematic position, habits and nature of damage caused	-----
DAY20 DATE 19-3-18	Rust Red Flour beetles (<i>Tribolium castaneum</i>): systematic position, habits and nature of damage caused	-----
DAY21 DATE 20-3-18	Lesser grain borer (<i>Rhizopertha dominica</i>): systematic position, habits and nature of damage caused	-----
DAY22 DATE 21-3-18	-----	-----
DAY23 DATE 22-3-18	CONDITIONAL TEST	-----

DAY 24 DATE 23-3-18	HOLIDAY	-----
DAY 25 DATE 24-3-18	Grain & Flour moth (<i>Sitotroga cerealella</i>): systematic position, habits and nature of damage caused	-----
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	History of Biological control of insects	-----
DAY2 DATE 27-3-18	Insect control: Biological control - its requirement	-----
DAY3 DATE 28-3-18	Insect control: Biological control - its precautions	-----
DAY4 DATE 29-3-18	HOLIDAY	-----
DAY5 DATE 30-3-18	Insect control: Biological control - feasibility of biological agents for control.	-----
DAY6 DATE 31-3-18	Chemical control: History	-----
DAY7 DATE 2-4-18	Chemical control: Categories of pesticides – 1	-----
DAY8 DATE 3-4-18	Chemical control: Categories of pesticides - 2	-----
DAY9 DATE 4-4-18	-----	-----
DAY10 DATE 5-4-18	Chemical control: Categories of pesticides - 4	-----
DAY11 DATE 6-4-18	Chemical control: Important pesticides from each category to pests against which they can be used -1	-----
DAY12 DATE 7-4-18	Chemical control: Important pesticides from each category to pests against which they can be used -2	-----
DAY13 DATE 9-4-18	Chemical control: Important pesticides from each category to pests against which they can be used -3	-----
DAY14 DATE 10-4-18	Insect repellants	-----
DAY15 DATE 11-4-18	-----	-----
DAY16 DATE 12-4-18	Integrated pest management-1	-----
DAY17 DATE 13-4-18	Integrated pest management-2	-----
DAY18	HOLIDAY	-----

DATE 14-4-18		
DAY19 DATE 16-4-18	Integrated pest management-3	-----
DAY20 DATE 17-4-18	Integrated pest management4	-----
DAY21 DATE 18-4-18	HOLIDAY	-----
DAY22 DATE 19-4-18	Important bird pests of agriculture & their management	-----
DAY23 DATE 20-4-18	Important rodent pests of agriculture & their management	-----

CLASS/SECTION
SUBJECT

: B.SC IIND YEAR
: ZOOLOGY

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	-----	Skeleton of <i>Scoliodon</i> , <i>Labeo</i> .
DAY2 DATE 2-1-18	-----	Skeleton of <i>Rana</i> (Frog), <i>Varanus</i> .
DAY3 DATE 3-1-18	Spermatogenesis.	Skeleton of <i>Scoliodon</i> , <i>Labeo</i> ,
DAY4 DATE 4-1-18	-----	Skeleton of <i>Rana</i> (Frog), <i>Varanus</i> .
DAY5 DATE 5-1-18	-----	Skeleton of <i>Scoliodon</i> , <i>Labeo</i> .
DAY6 DATE 6-1-18	-----	Skeleton of <i>Rana</i> (Frog), <i>Varanus</i> .
DAY7 DATE 8-1-18	-----	Skeleton of Pigeon or Gallus and <i>Orcyctolagus</i> /rat.
DAY8 DATE 9-1-18	-----	Palates of birds, skulls of dog & rabbit
DAY9 DATE 10-1-18	Spermatogenesis.	Skeleton of Pigeon or Gallus and <i>Orcyctolagus</i> /rat
DAY10 DATE 11-1-18	-----	Palates of birds, skulls of dog & rabbit
DAY11 DATE 12-1-18	-----	Skeleton of Pigeon or Gallus and <i>Orcyctolagus</i> /rat.
DAY12 DATE 13-1-18	-----	Palates of birds, skulls of dog & rabbit.
DAY13 DATE 15-1-18	-----	Study of slides: Tornaria larva, T.S. Amphioxus (through different regions). Oikopleura,

DAY 14 DATE 16-1-18	-----	Study of slides: Histology of rat (compound tissues), different types of scales
DAY15 DATE 17-1-18	Capacitation of spermatozoa.	Study of slides: Tornaria larva, T.S. Amphioxus (through different regions). Oikopleura,
DAY16 DATE 18-1-18	-----	Study of slides: Histology of rat (compound tissues), different types of scales
DAY17 DATE 19-1-18	-----	Study of slides: Histology of rat (compound tissues), different types of scales
DAY18 DATE 20-1-18	-----	Study of slides: Histology of rat (compound tissues), different types of scales
DAY19 DATE 22-1-18	HOLIDAY	HOLIDAY
DAY20 DATE 23-1-18	SPORTS DAY	SPORTS DAY
DAY21 DATE 24-1-18	HOLIDAY	HOLIDAY
DAY22 DATE 25-1-18	-----	Make permanent stained slides of Salpa, Spicules, and Pharynx of Herdmania.
DAY23 DATE 26-1-18	HOLIDAY	HOLIDAY
DAY 24 DATE 27-1-18	-----	Make permanent stained slides of Salpa, Spicules, and Pharynx of Herdmania
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 29-1-18	-----	Make permanent stained slides of Salpa, Spicules, and Pharynx of Herdmania.
DAY2 DATE 30-1-18	-----	Make permanent stained slides of Amphioxus, Cycloid scales.
DAY3 DATE 31-1-18	HOLIDAY	HOLIDAY
DAY4 DATE 1-2-18	-----	Make permanent stained slides of Amphioxus, Cycloid scales.
DAY5 DATE 2-2-18	-----	Make permanent stained slides of Salpa, Spicules, and Pharynx of Herdmania

DAY6 DATE 3-2-18	-----	Make permanent stained slides of Amphioxus, Cycloid scales.
DAY7 DATE 5-2-18	-----	Qualitative tests for identification of simple sugars, disaccharides and polysaccharides.
DAY8 DATE 6-2-18	-----	Qualitative tests for identification of simple sugars, disaccharides and polysaccharides.
DAY9 DATE 7-2-18	Capacitation of spermatozoa	Qualitative tests for identification of simple sugars, disaccharides and polysaccharides
DAY10 DATE 8-2-18	-----	Qualitative tests for identification of simple sugars, disaccharides and polysaccharides.
DAY11 DATE 9-2-18	ASSIGNMENT 1	Qualitative tests for identification of simple sugars, disaccharides and polysaccharides.
DAY12 DATE 10-2-18	HOLIDAY	HOLIDAY
DAY13 DATE 12-2-18	-----	Estimation of Hb.
DAY14 DATE 13-2-18	HOLIDAY	HOLIDAY
DAY15 DATE 14-2-18	Ovulation, Formation of Corpus Luteum.	Estimation of Hb.
DAY16 DATE 15-2-18	-----	Estimation of Hb.
DAY17 DATE 16-2-18	-----	Qualitative tests for identification of simple sugars, disaccharides and polysaccharides.
DAY18 DATE 17-2-18	-----	Estimation of Hb.
DAY19 DATE 19-2-18	-----	Study of human salivary amylase activity: Effect of temperature, ph, Concentration.
DAY20 DATE 20-2-18	-----	Study of human salivary amylase activity: Effect of temperature, ph, Concentration.

DAY21 DATE 21-2-18	Oestrous-anoestrous Cycle.	Study of human salivary amylase activity: Effect of temperature, ph, Concentration.
DAY22 DATE 22-2-18	-----	Study of human salivary amylase activity: Effect of temperature, ph, Concentration.
DAY23 DATE 23-2-18	-----	Study of human salivary amylase activity: Effect of temperature, ph, Concentration
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 24-2-18	-----	Study of human salivary amylase activity: Effect of temperature, ph, Concentration
DAY2 DATE 26-2-18	-----	Estimation of abnormal constituents of urine (Albumin, sugar, ketonebodies).
DAY3 DATE 27-2-18	-----	Estimation of abnormal constituents of urine (Albumin, sugar, ketonebodies).
DAY4 DATE 28-2-18	HOLIDAY	HOLIDAY
DAY5 DATE 1-3-18	HOLIDAY	HOLIDAY
DAY6 DATE 2-3-18	HOLIDAY	HOLIDAY
DAY7 DATE 3-3-18	HOLIDAY	HOLIDAY
DAY8 DATE 5-3-18	-----	Haematein crystal preparation.
DAY9 DATE 6-3-18	-----	Haematein crystal preparation.
DAY10 DATE 7-3-18	Menstrual cycle in human.	Estimation of abnormal constituents of urine (Albumin, sugar, ketonebodies).
DAY11 DATE 8-3-18	-----	Estimation of abnormal constituents of urine (Albumin, sugar, ketonebodies).
DAY12 DATE 9-3-18	-----	Haematein crystal preparation.
DAY13 DATE 10-3-18	ASSIGNMENT 2	Estimation of abnormal constituents of urine (Albumin, sugar, ketonebodies)
DAY 14 DATE 12-3-18	-----	RBC count.
DAY15	-----	RBC count.

DATE 13-3-18		
DAY16 DATE 14-3-18	Menstrual cycle in human.	RBC count.
DAY17 DATE 15-3-18	-----	RBC count.
DAY18 DATE 16-3-18	-----	RBC count.
DAY19 DATE 17-3-18	-----	RBC count.
DAY20 DATE 19-3-18	-----	WBC count
DAY21 DATE 20-3-18	-----	WBC count
DAY22 DATE 21-3-18	Fertilization.	WBC count
DAY23 DATE 22-3-18	CONDITIONAL TEST	WBC count
DAY 24 DATE 23-3-18	HOLIDAY	HOLIDAY
DAY 25 DATE 24-3-18	-----	WBC count
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18		Use of Kymograph unit & respirometer
DAY2 DATE 27-3-18	-----	Use of Kymograph unit & respirometer
DAY3 DATE 28-3-18	-----	Use of Kymograph unit & respirometer
DAY4 DATE 29-3-18	HOLIDAY	HOLIDAY
DAY5 DATE 30-3-18	-----	WBC count
DAY6 DATE 31-3-18	-----	Use of Kymograph unit & respirometer
DAY7 DATE 2-4-18	-----	Zoological excursion and its report
DAY8 DATE 3-4-18	-----	Zoological excursion and its report
DAY9 DATE 4-4-18	Implantation.	Zoological excursion and its report
DAY10 DATE 5-4-18	-----	Zoological excursion and its report
DAY11 DATE 6-4-18	-----	Zoological excursion and its report

DAY12 DATE 7-4-18	-----	Zoological excursion and its report
DAY13 DATE 9-4-18	-----	Zoological excursion and its report
DAY14 DATE 10-4-18	-----	Revision and file checking.
DAY15 DATE 11-4-18	Gestation.	Zoological excursion and its report
DAY16 DATE 12-4-18	-----	Revision and file checking.
DAY17 DATE 13-4-18	-----	Zoological excursion and its report
DAY18 DATE 14-4-18	HOLIDAY	HOLIDAY
DAY19 DATE 16-4-18	-----	Revision and file checking.
DAY20 DATE 17-4-18	-----	Revision and file checking.
DAY21 DATE 18-4-18	HOLIDAY	Revision and file checking.
DAY22 DATE 19-4-18	-----	Revision and file checking.
DAY23 DATE 20-4-18	-----	Revision and file checking