

CRITERION 3

3.3.2. NUMBER OF BOOKS AND CHAPTERS IN EDITED VOLUMES/BOOKS PUBLISHED AND PAPERS PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCE PROCEEDINGS PER TEACHER DURING THE YEAR

NAMES OF THE AUTHORS						
DR. SHWETA THAKUR						
DR. SHWETA THAKUR						
DR. SHWETA THAKUR						
DR. ANUPAMA TANDON						
DR. ANJALI DEWAN						
DR. ANJALI DEWAN						
DR. ANJALI DEWAN						

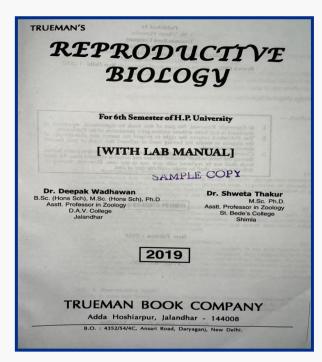


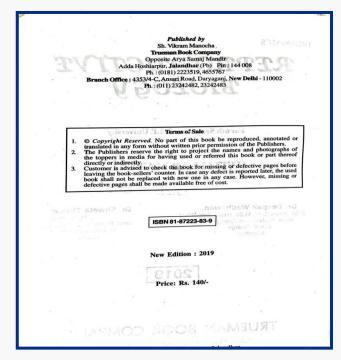
1. Dr. Shweta Thakur - Department of Zoology

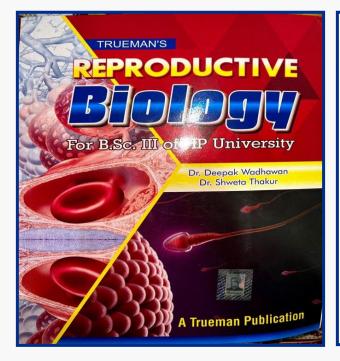
Title of Book: Reproductive Biology

Year: 2019

ISBN: 81-87223-83-9







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57.5	1.	Reproductive Endocrin	ology			1	
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	3. Functional anatomy of Female Reproduction				88		
100	4.	Reproductive Health				1-24	
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6			Cyllabus	(Practical)	1		
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	200	care of normal and experimental					
- 2	2.	Examination of vagina	ology. Ovarect	omy, hysterectorny			
- 1	3.	Examination of vaginal smear rats from live animals. Surgical techniques: principles of surgery in endocrinology. Ovarectomy, hysterectomy castration and vasectomy in rats. Examination of histological sections from photomicrographs/permanent slides of as Examination of histological sections.					
	4.	Funmination of histole	ogical sections	from photomicro	graphs/permi	e systems; Section	
	4.	human : testis, epididy of ovary, fallopian tube	mis and acces	arative and secret	ory stages), c	ervix and vagina.	
		of ovary, fallopian tube	te cytology				
	5.	Human vaginal exfolia Sperm count and spen	m motility in rai	t.			
	6.	Sperm count and speri	acentive device	es.			
	7.	· Study of modern contra	acepara device			- A	
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FUNCTIONAL ANATOMY OF FEMALE REPRODUCTION

change in LH release is apparent eight to nine days before the first proestrus, and this period of change in mode of LH release is considered anestrus. On this basis it is stated that, first proestrus occurs later on followed by estrus, and

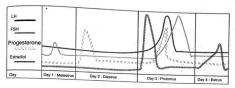


Fig. 3.7. Rat Reproductive Menstrual Cycle.

Length of cycle. Ovulation occurs in the young adult laboratory rat every four to five days throughout the year. Intra-individual variations in cycle lengths are also seen from three to thirty-eight days, but, excluding those of more than eight days, the average was 4 - 8 days, and this duration is reasonably consistent with findings from various investigators. Based on vaginal smears, the duration of the individual component stages of the four or five-day estrous cycle for rats has been worked out by different scientists (Astwood, 1939; latman 1944; Long and Evans 1922; Mandl 1951) which are as follows:

1. Proestrus, twelve to fourteen hours.

- Estrus, twenty-five to twenty-seven hours.
 Metestrus, six to eight hours.

3. Metestrus, six to eight hours.
4. Diestrus, fifty-five to fifty-seven hours.
The vaginal smears are useful in demarcating the various stages, however, complete longitudinal sections of the vagina and cervix, transverse sections of the mid portion of both uterine horns, and medial sections of both ovaries are the minimal requirement for an adequate evaluation. The stage of the repreductive cycle cannot easily be determined from the appearance of the ovarian solicies in a species like the rat, which has a short estrous cycle. Follicies in "stually all stages of development are generally present within the ovaries at mulay last stages of development are generally present within the ovaries at stually all stages of devolopment are generally present within the ovaries at late across the used to support staging, even though this is not. The four stages are described below.

3. Diestrus

Vagina. At the start of diestrus, the vaginal epithelium is at its lowest lovel.

Vagina. At the start of diestrus, the vaginal epithelium is at its lowest level of approximately three to seven cells thick consisting simply of the stratum approximately three to seven cells thick consisting simply of the stratum germinativum consists of stratum basale as a single

Book published by Dr. Shweta Thakur

BACK

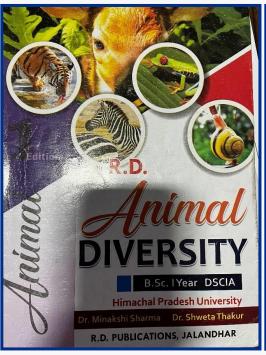


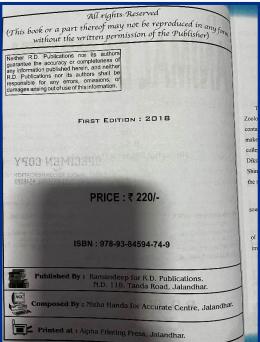
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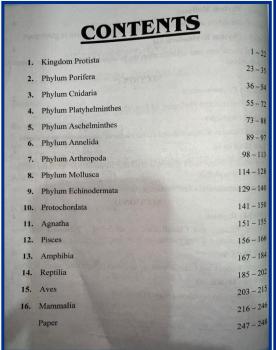
Title of Book: Animal Diversity

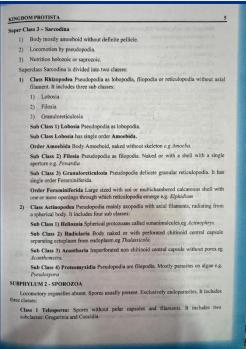
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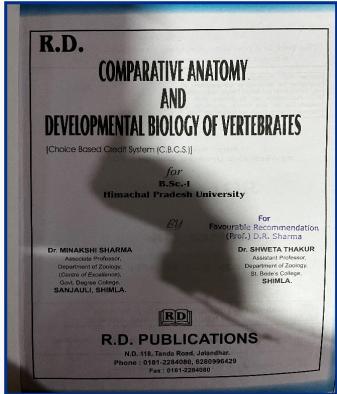


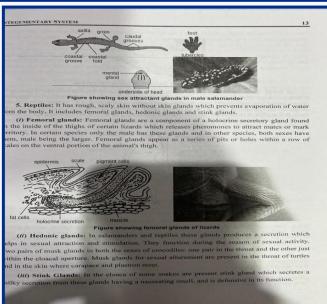
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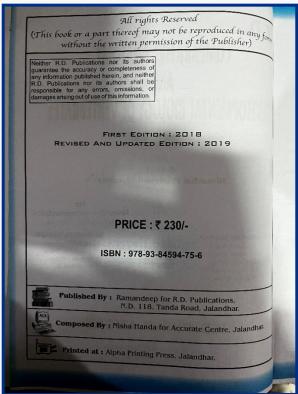
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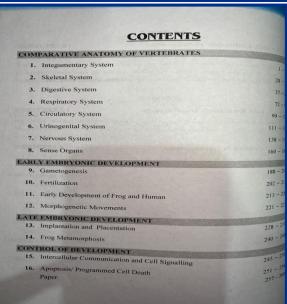
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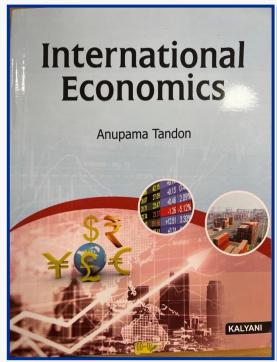


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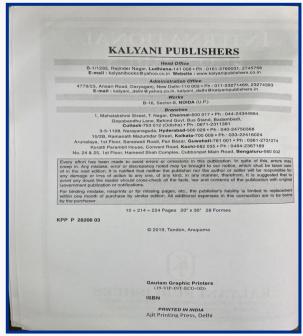
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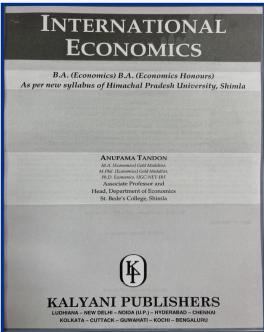
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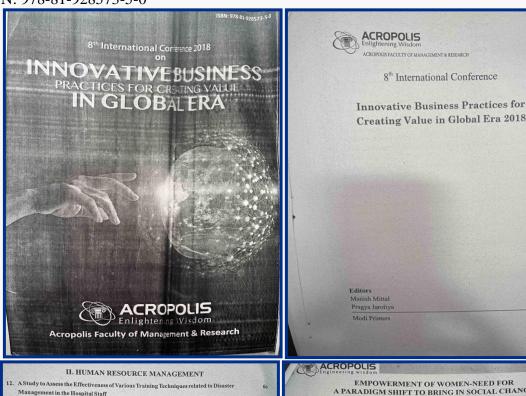
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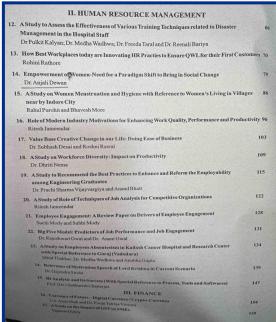
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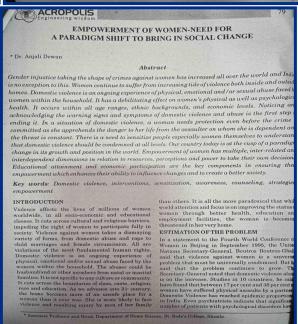
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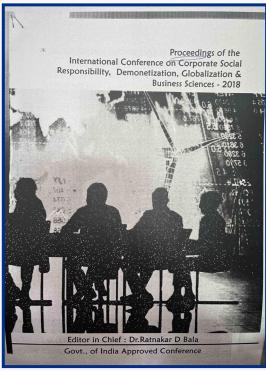
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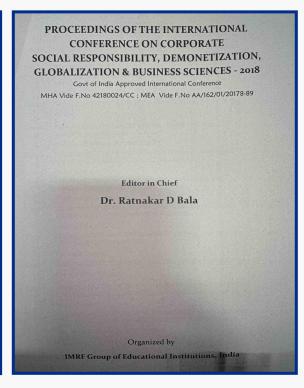
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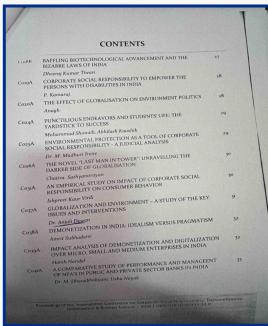
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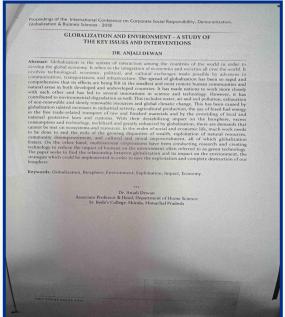
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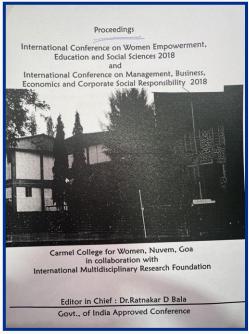


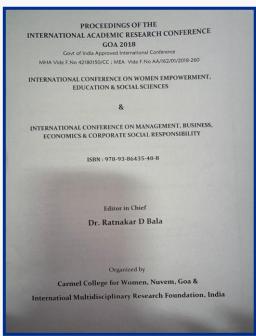
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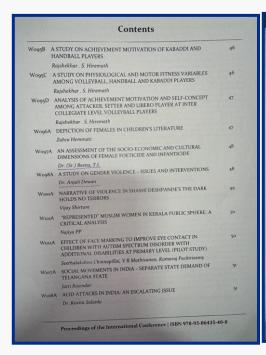
Title of the Paper: A Study on Gender Violence: Issues and Interventions
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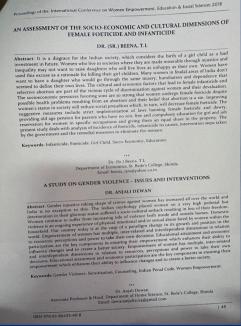
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