



VIVEK P.G. COLLEGE KALWAR, JAIPUR

(Affiliated to University of Rajasthan & Govt. of Rajasthan)

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आवश्यक सूचना

College Code- 464

दिनांक- 14.11.2024

समस्त (तृतीय सेमेस्टर) विद्यार्थियों को सूचित किया जाता है कि राजस्थान विश्वविद्यालय के ऑन लाईन परीक्षा फॉर्म -2024.2025 दिनांक 14.11.2024 से 25.11.2024 तक भरे जायेंगे।

अतः तृतीय सेमेस्टर के विद्यार्थी अपना परीक्षा फॉर्म विश्वविद्यालय की वेबसाइट से भरकर निम्न क्रमानुसार महाविद्यालय में जमा करवाये।

- परीक्षा फॉर्म की दो कॉपियाँ।
- प्रथम एवं द्वितीय सेमेस्टर की अंकतालिका की फोटो कॉपी।
- ABC I.D. एवं आधार कार्ड की फोटो कॉपी।

नोट- परीक्षा फॉर्म भरते समय तृतीय सेमेस्टर के विद्यार्थी केवल इन Skill Enhancement Courses and Value Added Courses में से केवल इन्हीं Course का ही चयन करे।

1- SEC-51 T-117 (VERMICOMPOSTING) 2-VAC- 63 F-206 (NATIONAL CADET COPRS-III)

- परीक्षा फॉर्म उपरोक्त दस्तावेजों सहित 50 प्रतिशत शिक्षण शुल्क सहित जमा करवाये।
- अधिक जानकारी के लिए महाविद्यालय की वेबसाइट-www.vivekpgcollege.com / College Administrative Office से सम्पर्क करे।

Important Notice

Date- 14-11-2024

College Code-464

All students (For Semester- IIIrd) are hereby informed that your upcoming Online Examination Form 2024-25 (University of Rajasthan) will be available starting from 14-11-2024 to 25-11-2024. Fill Examination form before the Last date.

Attach and Submit Required Documents with Examination form-

- Examination form in 02 copies.
- Photocopy of Semester-I and Semester- IInd marksheet.
- Photocopy of ABC I.D & Aadhar Card.

Note-

- Choose Subject's for Skill Enhancement Courses/Value Added Courses
1- SEC-51 T-117 (VERMICOMPOSTING) 2-VAC- 63 F-206 (NATIONAL CADET COPRS-III)
- Deposit 50% Tuition Fee with Examination Form.
- For more Information visit to college website- www.vivekpgcollege.com / College Administrative Office.

Principal

PRINCIPAL

VIVEK PG COLLEGE
KALWAR, JAIPUR-303706

SEC-51T-117 – VERMICOMPOSTING

Semester	Code of the Course	Title of the Course/Paper		NHEQF Level	Credits
I/II	SEC-51T-117	Vermicomposting		5	2
Level of Course	Type of the Course	Credit Distribution		Offered to NC Student	Delivery Type of the Course
		Theory	Practical		
Introductory	Skill Enhancement	2	-	No	15 Hours Lecture +30 Hours Lab Activity / Fieldwork
Prerequisites	XII Pass				
Objectives of the Course:	Objectives of the Course – This is a skill-oriented course aimed at understanding the concept of vermicomposting, get hands-on experience while learning and to practice it techniques in appropriate site/location.				

Examination Scheme-

Regular Students –

Type	Paper code and Nomenclature	Duration of Examination	Maximum Marks (CA + EoSE)	Minimum Marks (CA + EoSE)
Theory	SEC-51T-117- Vermicomposting	1 Hrs-CA 1 Hrs-EoSE	10 Marks-CA 40 Marks-EoSE	4 Marks-CA 16 Marks-EoSE

The theory question paper for **Vermicomposting** will be so set that it has 40 multiple choice questions (Bilingual) of one mark each. The duration of the question paper will be 1 hour. The examinees will have to give their answers on an OMR sheet only to be provided by the University whose evaluation will be done based on OMR Scanning Technology.

R. Jais

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Detailed Syllabus

SEC-51T-117- Vermicomposting

Unit - I

Earthworms – Taxonomic position, external features- shape, size, colour, segmentation, setae & clitellum. Reproductive system-Male & Female, copulation, cocoon formation & fertilization,; ecological grouping – Epigeic species, Endogeic species and Anecics.

(4 Hours Lecture)

Unit -II

Vermiculture – definition, scope and importance; common species for culture; Environmental parameters; culture methods – wormery – breeding techniques; indoor and outdoor cultures - monoculture and polyculture – merits and demerits; Limiting factors-climatic factors, pH, humidity, Temperature, gases, xenobiotics

(4 Hours Lecture)

Unit -III

Vermicomposting of wastes in field pits, ground heaps, tank method, roof shed method, wedges & bin method; harvesting the compost, storage, Vermiwash-Preparation and application vermicomposting harvest and processing. Nutritional composition of vermicompost; Comparison with other fertilizers.

(4 Hours Lecture)

Unit-IV

Applications of vermiculture –use of vermicastings in organic farming/horticulture, earthworms for management of municipal/selected biomedical solid wastes; as feed/bait for capture/culture fisheries; forest regeneration.

(3 Hours Lecture)

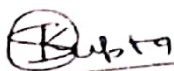
Practicals:

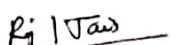
1. Collection of earthworms from soil and identification
2. Study of life stages and development of Earthworms
3. Study of vermiculture, Vermiwash and vermiculture equipment and devices
4. Analysis of vermicompost nutritional status
5. Visit to a vermicompost manufacturing unit

(30 Hours Lab Activity)

Suggested Books and References –

1. Sultan Ahmed Ismail, 2005. The Earthworm Book, Second Revised Edition. Other India Press, Goa, India.
2. Bhatnagar & Patla, 2007. Earthworm vermiculture and vermin-composting, Kalyani Publishers, New Delhi.
3. Mary Violet Christy, 2008. Vermitechnology, MJP Publishers, Chennai.
4. Aravind Kumar, 2005. Verms & Vermitechnology, A.P.H. Publishing Corporation, New Delhi.



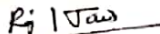

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NCC Semester- III Semester Syllabus

1.	Title of Course	NCC-3 (Semester-III)	
2.	Nodal Department of HEI to run course	Coordinator of NCC (NCC Incharge, UoR)	
3.	Board Area/Sector	University	
4.	Sub Sector	College	
5.	Nature of Course -Independent/Progressive	Progressive	
6.	Requisite	Qualified in NCC-II (Semester-II)	
7.	Number of Seats	As per Vacancies allotted by Unit/DG NCC	
8.	Course Code-VAC-63F-206	Credits-02 (1 Theory & 2 Practical Hours per Week)	
9.	Scheme of Examinations Max Marks Minimum Marks	As per SNCCO (Concern Unit ANO can provided the marks according the Cadets preformation in NCC Training) 50 20	
10.	Is this course is based on outside Partners/Institutions/Industry/Govt. Org. etc?	Yes	No
11.	If Yes, Name of proposed outside Partners/Institutions/Industry/Govt. Org. etc?	NCC Unit/ NCC office, Jaipur	
12.	<p>Course Objective of NCC The National Cadet Corps (NCC) is one of the largest youth organizations in India, with a primary objective of developing character, discipline, and leadership qualities among the youth. One of the primary objectives of the NCC course is to develop leadership qualities among the cadets. Through various training activities, including drill exercises, obstacle courses, and team-building exercises, the course instills in its cadets the ability to lead and inspire others. Cadets are taught to make quick decisions, take responsibility, and work in teams. These leadership skills are not only beneficial during the NCC training but also in all aspects of life, be it academics, career, or personal relationships.</p>		
13.	<p>Syllabus (Semester-III) Total Hours-15 (Credits-01) Practical -30 Hours (Credits-02)</p> <p>Unit-I: National Integration and Awareness Unit-II: Leadership Unit-III: Social Awareness & Community Development Unit-IV: Health & Hygiene</p>		

Unit wise details of the Value Added Course (NCC-III)


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Unit	Title of Unit	Course Content	Theory Hours	Practical Hours
Unit-I	National Integration and Awareness	Freedom Struggle and Nationalist Movement in India, Problems / Challenges of National Integration. National Integration Council. Images/ Slogans for National Integration Contribution of Youth in Nation Building.	5	30
Unit-II	Leadership	Leadership Traits. Types of Leadership. Effects of Leadership with historical examples. Body Language.	2	
Unit-III	Social Awareness & Community Development	Drug Abuse & Trafficking, Civic Responsibilities, Causes & Prevention of HIV/ AIDS; Role of youth, Counter Terrorism, Corruption, Social Evils viz Dowry/Female Foeticide/ Child abuse & trafficking etc, RTI & RTE, Traffic Control Org and Anti-drunken Driving, Provisions of Protection of Children from Sexual Harassment Act 2012.	3	
Unit-IV	Health & Hygiene	Structure & functioning of the human body, Hygiene & Sanitation (Personal & Food hygiene), Physical & Mental Health, Infectious & Contagious Diseases & its prevention. Basics of Home Nursing & First-Aid in common medical emergencies, Introduction to Yoga & Exercises.	5	

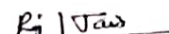
Reference Books

- Bipan Chandra, Mridula Mukherjee, Aditya Mukherjee, K.N. Panikkar, & Sucheta Mahajan. (1989). *India's Struggle for Independence: 1857-1947*. Penguin Books.
- Mukherjee, R. (1988). *The Rise and Fall of the East India Company: A Sociological Appraisal*. Popular Prakashan.
- Sharma, R. K. (2004). *Leadership in Indian Organizations: Some Aspects*. Anmol Publications.
- Nanda, B. R. (2004). *In Search of Gandhi: Essays and Reflections*. Oxford University Press.
- Reddy, G. N. (2011). *Health and Hygiene: An Introduction*. Neel kamal Publications Pvt. Ltd. NCC Cadets Hand Book

Web Links

<https://indiancc.mygov.in/>
<https://nccauto.gov.in/>

Examination Scheme (Programme Evaluation Methods)


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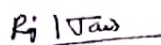
S.No.	Parameters	Max Marks
1	Entries in Daily Diary	05
2	Synopsis Project	10
3	Participation in NCC Training	10
4	Participation in Social Service and Community Development (SSCD)	25*

***Evaluation of SSCD:**

S.No.	Parameters	Max Marks
1	Presentation/Video/Photographs submit with report	05
2	Day Significations	10
3	Participation in Puneet Sagar, Sawach Bharat, Quiz, Social Awareness and Jagrukata rally and other SSCD Activities	10
Total		25

Course Learning Outcome

Upon completing this course, students will understand the historical context of India's freedom struggle and the challenges of national integration, recognizing the role of youth in nation-building. They will analyze leadership traits and styles, understanding their impact through historical examples and effective communication, including body language. The course will address social issues such as drug abuse, terrorism, and corruption, highlighting civic responsibilities and preventive measures. Students will also explore social evils like dowry and child trafficking, understanding legal frameworks like RTI, RTE, and the Protection of Children from Sexual Offenses Act 2012. Additionally, they will learn about the human body's structure, emphasizing hygiene, sanitation, and disease prevention. Practical knowledge in home nursing and first aid will be covered, along with the promotion of physical and mental health. An introduction to yoga and exercise will encourage students to integrate wellness into their daily lives.


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