DDU KAUSHAL Kendra by University Grants Commission

Biotechnology Capacity Building Cell" (**BT-CBC**) DST, Govt. of Gujarat

Centre for **Soil Testing** (Macro and Micronutrient Analysis) by Govt. of India

SSIP (Student Start-Up and Innovation Policy) Cell, Govt. of Gujarat

SCOPE (Society for Creation of Opportunities through Proficiency in English) & **Finishing School** by Govt. of Gujarat

Sarva Vidyalaya Kelavani Mandal, Kadi, managed

PRAMUKH SWAMI SCIENCE & H. D. PATEL ARTS COLLEGE, KADI

College with Potential for Excellence, phase-I & II (2010-2019)
AAA Rank-1 by Govt. of Gujarat

Certificate / Diploma Programs

www.psshda.ac.in

Sarva Vidyalaya Kelavani Mandal's

Pramukh Swami Science and H D Patel Arts College, Kadi

NAAC Accredited : Grade A (CGPA 3.20) | College with Potential for Excellence (CPE) - Awarded by UGC
AAA Rank 1 - Awarded by Government of Gujarat

Pramukh Swami Science and H.D.Patel Arts College, Kadi is affiliated to Hemchandracharya North Gujarat University, Patan. The college offers following certificate/Advanced certificate/Diploma /Advanced diploma programs under the scheme of DDU KAUSHL Kendra - UGC.

Program code	Program name	Name of the Certificate/ diploma introduced in last 5 years	Year of introduction
CC	Community College	Certificate Course in Textile and Ginning Technology	2014-15
CC	Community College	Advanced Certificate Course in Textile and Ginning Technology	2014-15
CC	Community College	Diploma in Textile and Ginning Technology	2014-15
B.Voc	Bachelor of Vocation	Certificate Course in Pharmaceutical Chemistry	2014-15
B.Voc	Bachelor of Vocation	Advanced Certificate Course in Pharmaceutical Chemistry	2014-15
B.Voc	Bachelor of Vocation	Diploma in Pharmaceutical Chemistry	2014-15
CC	Community College	Certificate Course in Agriculture and Soil Sciences	2014-15
CC	Community College	Advanced Certificate Course in Agriculture and Soil Sciences	2014-15
CC	Community College	Diploma in Agriculture and Soil Sciences	2014-15
CC	Community College	Certificate Course in Ceramic Technology	2015-16
CC	Community College	Advanced Certificate Course in Ceramic Technology	2015-16
CC	Community College	Diploma in Ceramic Technology	2015-16
CC	Community College	Advanced Diploma in Textile and Ginning Technology	2015-16
CC	Community College	Advanced Diploma in Pharmaceutical Chemistry	2015-16
CC	Community College	Advanced Diploma in Agriculture and Soil Sciences	2015-16

Principal
P. S. Science & H. D. Pate
Art's College KADI (N.G

Serial No. B- 349

Hemchandracharya
North Gujarat University
Patan

PROVISIONAL CERTIFICATE

This is to certify that

Patel Jaykumar Kanubhai

appeared at the

Advanced Diploma in Textile and Ginning Technology

Degree   Examination held by this University in   Mar-June 2017

with Examination Seat No.   **36**

was declared successful in   **First**   class thereat.

It is further confirmed that he is eligible for the award of the said Degree .

The Degree   will be awarded to him if he applies for the same and after following

the procedure as required under the provision of the University Act.

Date :- 3/05/2019

CONTROLLER OF EXAMINATION

PREPARED BY: **FALGUNI**

Serial No.   B- 345

Hemchandracharya North Gujarat University Patan

PROVISIONAL CERTIFICATE

This is to certify that

Solanki Alkeshkumar Khodabhai

appeared at the

Diploma in Pharmaceutical Chemistry

Degree   Examination held by this University in   Mar-June 2017

with Examination Seat No.   **12**

was declared successful in   **Pass**   class thereat.

It is further confirmed that he is eligible for the award of the said Degree.

The Degree will be awarded to him if he applies for the same and after following

the procedure as required under the provision of the University Act.

Date :- 3/05/2019

PREPARED BY: FALGUNI

CONTROLLER OF EXAMINATION

Serial No. B- 340

Hemchandracharya
North Gujarat University
Patan

PROVISIONAL CERTIFICATE

This is to certify that

Solanki Prakashsinh Bhavubha

appeared at the

Advanced Certificate in Ceramic Technology

Degree Examination held by this University in   Oct-Dec 2016

with Examination Seat No.   **119**

was declared successful in   **Pass**   class thereat.

It is further confirmed that he is eligible for the award of the said Degree.

The Degree   will be awarded to him if he applies for the same and after following

the procedure as required under the provision of the University Act.

Date :- 3/05/2019

CONTROLLER OF EXAMINATION

PREPARED BY: FALGUNI

CERTIFICATE OF COMPLETION

This is to certify that Ms. Hinaben Mansukhbhai Patel has successfully completed the University Grant Commission approved skill development course entitled "Certificate Course in Agriculture and Soil Sciences" during Academic year 2016-17.

Nodal Officer

Principal

Principal
P. S. Science & H. D. Patel
Art's College KADI (N.G.)

Community College

Textile and Ginning Technology
Syllabus / Scheme

SEMESTER - I

WITH SEMESTER/ CBCS/ GRADING PATTERN

W. E. F. : June - 2014

Preface

The University Grants Commission (UGC) has launched a scheme on skills development based higher education as part of college/university education, leading to setting up of Community Colleges (CC) to serve multiple needs, including (i) career oriented education and skills to students interested in directly entering the workforce; (ii) contracted training and education programmes for local employers; (iii) high-touch remedial education for secondary school graduates not ready to enroll in traditional colleges, giving them a path to transfer to three or four year institutions; and (iv) general interest courses to the community for personal development and interest. Community College will have with multiple exits such as Diploma/Advanced Diploma under the NSQF(National Skills Qualifications Framework).

The Community College model, by and large, will be accessible to a large number of individuals of the community, offer low cost and high quality education locally, that encompasses both vocational skills development as well as traditional coursework, thereby providing opportunities to the learners to move directly to the employment sector or move into the higher education sector. It offers a flexible and open education system which also caters to community-based life-long learning needs. It has a synergistic relationship between the community, community college and the job market.

About the programme

Cotton is a crop that exerts considerable influence on India's economy. Besides securing livelihood for over 60 million people engaged in various vocations related to farming, trade and textile industry. The ginning industry separates cotton fibers from seeds. The ginning process is the most important mechanical treatment that cotton undergoes before it is converted into yarns and fabrics. Any damage caused to the quality of fibers during ginning cannot be rectified later in the spinning or subsequent processes and milling.

This course is based on Ginning and Spinning technologies. By introducing this course skilled persons are produced whom can work in the cotton and spinning industries with high efficiency and productivity.

I=INTERNAL EXAM,E=EXTWRNAL EXAM,

ESE=END SEMESTER EXAM, PA=PROGRESSIVE ASSESMENT

SEMESTER I

Course Code	Course Title	Credit		Total	Marks				Total
		Th.	Pra/Field		Th.		Practical		
					I	E	ESE	PA	
TGT101	COMUNICATION SKILL	2	0	2	40	60	00	00	100
TGT102	ENGINEERING WORK SHOP PRACTICE (MECHANICAL)	0	8	8	00	00	80	120	200
TGT103	SEED COTTON PROCESSING	4	0	4	40	60	00	00	100
TGT104	OPERATION OF SPINNING MACHINES	0	8	8	00	00	80	120	200
TGT105	SPINNING MACHINERY 1	2	2	4	30	50	40	80	200
TGT106	SPINNING PROCESS 1	2	2	4	30	50	40	80	200
	TOTAL			30	170	270	200	360	1000

CCTGTR1 : "Eligibility Criteria (EC)" for Admission

1. The eligibility conditions for admission to CC program shall be 10+2 or equivalent in any stream
2. There is no age bar for admission to CC
3. The student can take exit to these courses at any point of time and can get re-entry in this programme. Such students will get priority in admission than to a fresher student.

CCTGTR2: Admission Procedure

1. For admission to the programmes offered by the CCs, preference should be given to the learners living in the local community. Reservation to SC, ST, OBC and PwD categories will be available as per the extant national / State policy. There shall be no age bar for admission in the Community Colleges.
2. Admissions may be done on a rolling basis depending on the duration of the programmes to facilitate a steady stream of learners joining the college and moving out as trained work force to the job market, round the year and not just once in a year.
3. The applicants seeking re-entry into the college should get preference in admission over the new applicants.
4. Candidates are selected on the basis of Merit.

CCTGTR3: FEES and Scholarship:

1. Student fee should be decided as per the prevalent practice for fee fixation for aided courses.
2. Attempt should be made to recover part of the operating expenditure from the student fees.
3. In order to motivate students to join courses under the scheme, an amount of Rs. 1,000/- per month should be provided to the students under this scheme. This should be paid based on satisfactory attendance.

CCTGT R4: REGISTRATION/Enrollment:

1. Every student admitted to the college for the programme must get enrolled to university within a month from the date of admission.

CCTGT R5: SEMESTER EXAMINATIONS:

1. Candidates desirous of appearing at any Semester Examination shall have to submit applications in the prescribed form, through the designated authority on or before the prescribed date.
2. No candidate will be admitted to any Semester examination unless the Designated Authority i.e. the Head of the Department or Principal of the College certifies that:

(1) The candidate attended the course of study to the satisfaction of the designated authority.

(2) The candidate maintained a good conduct and character during the studies.

(3) The candidate maintained Minimum 80% attendance   in each semester

CCTGT R6: EVALUATIONS:

1. Appropriate mechanism for assessment of the learners' progress towards acquisition of knowledge and skill should be developed by the Community Colleges. Partner industries should also be given a clear and well defined role in the assessment of the learners.
2. Practical or hands on skills should be given comparatively more weightage in the overall assessment plan.
3. The CC should adopt and integrate the guidelines and recommendations of the respective Sector Skill Councils (SSCs) for the assessment and evaluation of the vocational component, wherever available. They should also involve the SSCs in the assessment process, wherever required. It applies to colleges, both Autonomous and non-Autonomous, and universities to maintain Occupational Standards and the fitness for the job.

4. Theory of each CORE paper will be evaluated for a maximum of 80 marks out of which, 40 marks shall be for Continuous evaluation (Exams) and 40 marks for the end semester examination. An end semester examination shall be of 2 hours duration.
5. Practical of Each core paper will be evaluated for a maximum of 120 marks out of which, 90 marks shall be continuous internal evaluation and 30 marks for the end semester viva examination.
6. Each Elective paper is evaluated for a maximum of 100 marks which will be evaluated internally by continuous evaluation.

CCTGT R7: RULES FOR GRADING

1. One Credit would mean equivalent of 14-15 periods of 60 minutes each, for theory, workshops / labs and tutorials per semester.
2. For internship / field work, the credit weightage for equivalent hours shall be 50% of that for lectures / workshops
3. For self-learning, based on e-content or otherwise, the credit weightage for equivalent hours of study shall be 50% of that for lectures / workshops
4. To pass a subject in any Semester a candidate must obtain a minimum of 40% of marks in each paper.
5. If a candidate fails in any subject, he has to reappear for that particular paper and pass. (That is, for example if candidate fails in midterm exam of a subject, he has to reappear for midterm of that subject.)
6. The performance of each candidate in all the subjects will be evaluated on 7- point scale in term of grades as follow:

1	A +	90-100	10.0	Outstanding
2	A	80-89	9.0	Excellent
3	A-	70-79	8.0	Very Good
4	B +	60 – 69	7.0	Good
5	B	50-59	6.0	Average
6	B-	40-49	5.0	Fair
7	F	Less Than 40	0	Fail
8	I	Incomplete		

CCTGT R8: PERFORMANCE INDEX:

1. The performance of a student in a semester is expressed in terms of the **Semester Performance Index (SPI)**.

   SEMESTER PERFORMANCE INDEX (SPI)

   The Semester Performance Index (SPI) is the weighted average of Course Grade Points obtained by the student in the semester. The Weights assigned to Course Grade Points are the Credits carried by the respective courses.

$$SPI = \frac{g_1 c_1 + g_2 c_2 + \ldots}{c_1 + c_2 + \ldots}$$

   Where, g_1, g_2 …………. are the Grade points obtained by the student in the Semester, for Courses carrying Credits c_1, c_2 …………respectively.

2. The cumulative performance of a student at the end of the Semester / Course is expressed in terms of the **Cumulative Performance Index (CPI)**.

   CUMULATIVE PERFOMANCE INDEX (CPI)

   This index is defined as the weighted average of Course Grade Points obtained for all the weights for Theory Papers (Both Mid Term & End Term) and Practicals attempted

since his admission to the program, where the weights are defined in the same way as in **Semester Performance Index (SPI)**.

3. If a failed student repeats a course, only the Grade Points obtained in the latest attempt shall be counted in the **Cumulative Performance Index**. Whenever the candidate clears the subject in the next semester examination, the total credits for that subject will be added to CPI.

4. For any Semester, the maximum marks for the Mid Term and End Term assessments are shown in the teaching and examination scheme. For the purpose of Mid Term assessment, tests, quizzes, assignments or any other suitable methods of assessment may be used by the department.

CCTGT R9: SEMESTER PASSING SCHEME:

1. For each semester examination, a candidate will be considered as pass if he/she has secured "B-" or above grade in all the subject (s) and overall grade point 5.00 or above.

2. For each semester examination, a candidate will be considered as fail if he/she has secured "F" grade in any or all the subject (s).

3. If the candidate does not fulfill the subject requirements including requisite attendance percentage, he/she will be given I grade and the candidate will have to complete the course requirements before the commencement of the next End Semester examination. If the candidate does not clear I grade in any subject before the commencement of the next End Semester examination, he/she will be considered fail - F grade.

4. Candidate has to clear his / her 'F' grade or 'I' grade, if any, by the next End Semester examination.

CCTGT R10: SEMESTER PROMOTION SCHEME:

A candidate will be promoted to the subsequent Semester according to the following scheme:

1. A candidate would be granted admission to the Second Semester if and only if he/she has been granted Term for First Semester and has applied for the university examination.

2. A candidate would be granted admission to the Third Semester if and only if he/she has been granted Term for First & Second Semesters and has applied for the university examination.

3. A candidate would be granted admission to the Fourth Semester if and only if he/she has cleared all the subjects of First Semester. He /She will be permitted to pursue his/her study of Fourth Semester, provided his/her term for II & III Semesters is

Promotion Criteria

Semester	Condition(s) For Promotion
II	Grant of Term for Semester – I

III	Grant of Term for Semester I and Semester II

IV	Clearing of Semesters I completely and Grant of Term for Semester II & Semester III

CCTGTR11: AWARD OF GRADING / DIVISION:

No class/ division will be awarded to the students in the first 3 semesters. Divisions shall be awarded only at the end of Final Examinations on successful completion of all the Semesters. For awarding the degree at the end of the course, Cumulative Performance Index (CPI) of all the Mid Term and Final exams shall be taken in to consideration as per the following pattern of **Cumulative Performance Index (CPI):**

S.N.	CPI	Division
1	7.50 to 10.00	FIRST Division with Distinction
2	6.50 to 7. 49	FIRST Division
3	6.00 to 6. 49	SECOND Division

CCTGT R12: AWARD OF DEGREE:

1. Award of Certificate, Advanced certificate, Diploma or Advanced Diploma, as the case may be, would depend on acquisition of requisite credits as prescribed by the certification body and not on the duration of the calendar time spent in pursuing the course.
2. The certificate shall mention the credits earned, course duration (in hours), and the curriculum covered. If the course is aligned with NVEQF / NSQF, the corresponding NVEQF / NSQF level should also be mentioned on the certificate.
3. Award of degree will be as follows

NVEQF Level	Skill Component Credits	General Education Credits	Normal calendar duration (post meeting the entry criterion)	Awards
6	72	48	Four semesters	Advanced Diploma

	36	24	Two semesters	Diploma
5	18	12	One semester	Advanced Certificate
	9	6	Three Months	Certificate

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MODEL PAPER

Hemchandracharya North Gujarat University,Patan
Community college
'Textile and ginning technology' Semester - I
External Examination, November, 2014
Subject:

Time: 2 hrs   **Date**   **Maximum marks: 60**

Q.1 Answer any10 questions. Each question carries 1 mark
          (10*1=10   Marks)
(OBJECTIVEQUESTIONS)

1.   a) b) c) d)
2. Fill in the blank.
3. Short Questions / Definitions.
4.   Match the following.
5. Assertion / Reason of
6.   a) b) c) d)
7. Fill in the blank.
8. Short Questions / Definitions.
9.   Match the following.
10. Assertion / Reason of True / False.

Q. 2 Answer any 5 questions. Each question carries 6 marks