

## **EXAMINATION CELL REPORT 2019-20**

The Examination Cell was started during the academic year 2014-15 since the Autonomous status came into force to our college. The examination cell was constituted with one Convener, one Controller of Examinations and two supporting members. Semester system was introduced from this academic year 2014-15.

### **COMMITTEE MEMBERS (2018-2021)**

1. Dr. V.R. Jyothsna Kumari - Convener of the Examination Cell.
2. Smt. N. Praveena Kumari- Controller of Examinations,
3. Kum. G.V.S Pranayani Devi- member

**Note:** If any member of the committee is transferred another member will be nominated by the principal.

**SUPPORTING STAFF:** Programmer -M. Buela

Assistant Programmer - Smt G. Jayalakshmi

Office attendant – N. Krishna Kumari

All are working on full time basis:

### **ESTABLISHMENT OF EQUIPMENT**

1. The Examination cell is equipped with five computers, two laser printers, two copiers and two Master Servers.
3. Online examination centre is equipped with 20 computers

### **EXAMINATION REFORMS**

1. Online examination system was implemented for certificate courses.
2. To enhance automation of examination cell software for external evaluation was purchased for mapping of results data for social welfare scholarships.

3. Appointment of internal squad to conduct both internal assessment exams and semester end examinations to avoid the malpractices.
4. Preparation of internal exams question papers by exam cell through selecting questions from list of questions given by the departments.

## **THE EVALUATION SYSTEM**

As per the autonomous system, Govt. College for Women (A), Guntur is adopting the semester system. The academic year is divided into two semesters, each consisting of a minimum of 90 instructional days. The odd semesters are from June to October and the even semesters are from November to March. The instructional methods include conventional lectures, Mana TV lessons, Virtual classroom lessons, Invited lectures, Seminars, Symposia, Workshops, Field trips and various pedagogical methods of teaching etc. as planned and resolved by the respective departments in BOS meeting.

1. Examination and Evaluation: The College has a system of Continuous Internal Assessment (CIA) and Semester End Examination (SEE). The ratio between CIA and SEE is 30:70 for every course

2. The CIA in Theory consists of tests, assignments and regular attendance during the semesters **I to VI**. Allotment of marks for each subject in CIA in each semester are distributed as follows:

**Mid-Semester Test (Written or Online) :20 marks**

**Assignments/ paper presentation/Seminars etc : 05 marks**

**Attendance :05 marks**

**1. Mid-Semester Tests:** Two mid-semester tests are to be held approximately after 30 days of instruction. Among them the average is considered for final evaluation and award of grade.

**2. Re-Mid:** If a student is absent for both mid semester exams or any one mid semester exam, **Re-mid exam will not be conducted**. However, those students who represent the College in various National, State and University level events and also NCC and NSS activities and fail to appear at these mid semester exams will be given an opportunity under discretion.

**3. Assignments:** In general, every student is expected to submit some assignments in each subject in each of the semesters. The choice of the assignment, its nature and the schedules for submission will be decided by the concerned faculty.

**4. Attendance:** Attendance will be calculated on the basis of percentage of attendance while awarding marks.

<b>Percentage of Attendance</b>	<b>Marks Allotted</b>
<b>60% -75%</b>	<b>3</b>
<b>76% - 89 %</b>	<b>4</b>
<b>90% -100 %</b>	<b>5</b>

**Semester – End examinations (SEE) (Regular Examinations):**

Regular Semester-End examinations (SEE) for odd semesters (I, III, V) are held in **Oct/Nov** and for even semesters (II, IV, VI) in **March / April** every academic year.

**Eligibility Conditions:-**

1. A minimum of 75% of attendance in a semester is mandatory for eligibility to take the Semester-End Examinations.
2. Any student who has between 60% and 75% of attendance in a semester may be permitted to take the semester end examinations on payment of the prescribed condonation fee for attendance.
3. Student having less than 60% attendance in a semester will not be permitted to take the semester end examination. She has to repeat that semester, in the event of which, all her earlier CIA marks shall stand cancelled. However, if any student between 60% and 75 % of attendance in the preceding or subsequent semester of the same academic year, she may be permitted to take those examination's on payment of the prescribed condonation fee for attendance.
4. In semester VI, if a student has between 60% and 75% attendance, she may be permitted to write the examination at the discretion of the Principal, under the following conditions.
  - a. In all previous semesters, her average attendance should be 75% or more

b. Her prolonged absence is due to illness or other exigencies of life and she has been regular to classes at other times.

c. If her case is recommended for consideration by a committee constituted by the Principal.

5. As each semester is a complete unit by itself, any deficiency in CIA cannot be made up in subsequent semesters. If a student needs to repeat a semester for some reason, all her CIA marks will be cancelled.

### **Registration for SEE (Semester End Examinations):-**

Every eligible student shall register herself for the semester end examinations through an application by paying the prescribed examination fee within the stipulated time as per the Examination Calendar. The college reserves the right of permitting/ rejecting a student for Semester–End examinations on grounds of discipline, attendance, etc.

### **Important Note:-**

1. Question papers for Semester-End examination are prepared according to the latest syllabi and model question papers approved by the Boards of Studies and the Academic Council.
2. Students who repeat a semester will have to take the Semester-End examinations with the syllabus and the model questions papers which are on force at the time.
3. All students have to answer the question papers in the medium as specified in their application for admission in to the course. No change of medium will be permitted thereafter.

## **PRACTICAL EXAMINATIONS**

Practical examination will be held at the end of each Semester for 50 marks. All semester end practical examinations are held once in each semester during October/November for odd semesters and during March/April for even semesters. All eligible candidates should take the examinations only during this period. No separate supplementary examinations are held.

### **1.Eligibility for Practical Examination:**

1. A student should have at least 80%of attendance in laboratory work in a Semester.
2. A student should possess a duly certified record.

### **2.Registration For Practical Examination**

All eligible students have to register themselves for all practical examinations along with theory examinations. No student is allowed to take the practical examinations without registration.

### **3. Practical Examinations**

Separate Practical Examination Schedule will be given by the Examination Cell. External Examiners from other colleges will be appointed by the Examination Cell for each Department as per the requirement. External examiner will be appointed for even semester end examinations only. Odd semester end practical examinations are purely internal and no external examiner will be appointed.

#### **Appointment of observer**

For smooth conduct of Semester End Examinations, an External Observer from other college will be appointed. An internal squad team supports the External Observer in preventing malpractices by the students.

#### **Malpractice Cases**

If students are caught for malpractice in the examinations, the malpractices committee will enquire the case. The decision of malpractices committee is final and binding.

#### **Results**

To pass any course a candidate must secure minimum of 28 marks out of 70 marks in SEE and an aggregate of 40% marks in both CIA and SEE as applicable for all semesters as per UGC norms.

#### **Computation of Grade**

Computation of grade will be carried out only at the end of semester VI, when the candidate gets through all the six semesters as per CGPA – 10 point formula. A student is eligible for the award for a grade only when she completes the part-II (Group) subjects within three academic years from the date of admission in to the course.

#### **C.G.P.A Grade Points**

<b>Range</b>	<b>Grade</b>	<b>Specification</b>
<b>9.5 – 10</b>	<b>O</b>	<b>Out standing</b>
<b>9.0 - 9.4</b>	<b>A++</b>	<b>Excellent</b>

<b>8.0 - 8.9</b>	<b>A+</b>	<b>Very Good</b>
<b>7.0 - 7.9</b>	<b>B+</b>	<b>Good</b>
<b>6.0 - 6.9</b>	<b>B</b>	<b>Satisfactory</b>
<b>5.0 – 5.9</b>	<b>C</b>	<b>Above Average</b>
<b>4.0 - 4.9</b>	<b>D</b>	<b>Average</b>
<b>3.5 - 3.9</b>	<b>E</b>	<b>Pass</b>
<b>Less than 3.5</b>	<b>F</b>	<b>Fail</b>
<b>AB</b>	<b>AB</b>	<b>Absent</b>

**Note:** While calculating the grade the marks range is considered upto first decimal. Hence the range is adjusted to first decimal only.

### **EXAMINATION FEE STRUCTURE FOR THE ACADEMIC YEAR 2019-20**

S.No	Nature	Amount(Rupees)
<b>1</b>	Semester End Examination fee (whole) For I to V Semesters (Theory)	500/-
<b>2</b>	Semester End Examination fee (whole) For VI Semesters including Provisional Certificate fee and Consolidated Marks Memo fee (Theory)	850/-
<b>3</b>	Semester End Practical Exam. Fee	120/- for each paper
<b>4</b>	Supplementary Exam fees	150/- for each paper
<b>5</b>	Revaluation fee	400/- per paper
<b>6</b>	Instant Exam Fee	500/- per paper

7	Convocation Fee	500/-
8	Attendance Condonation fee	1000/-

### **CHARGES FOR CONDUCTING THE SEMESTER END EXAMINATIONS**

S.No	Nature of Duty	Amount(Rupees) Per session
	Chief Superintendent	<b>150/-</b>
	Asst. Chief Superintendent	<b>125/-</b>
	COE (Exam Cell)	<b>125/-</b>
	Invigilator/Squad member/External observer	<b>125/-</b>
	Clerk (Office)	<b>100/-</b>
	Clerk (Examination Cell)	<b>100/-</b>
	Attender	<b>60/-</b>
	Attender(Examination Cell)	<b>60/-</b>
	Water boy	<b>60/-</b>
	Sweeper	<b>60/- Per day</b>
	Night Watchman	<b>60/- Per day</b>

**Note: 1. For every 28 students one Invigilator is allowed.**

**2. For every 10 rooms one reliever is allowed**

**3. For every 5 rooms one sweeper is allowed**

**4. Two attenders are allowed for each session**

**5. One water boy is allowed for each 150 students**

**Note: During Mid Examinations for each session three Attenders may be appointed. Rs 60/- will be paid for each session.**

## PAPER SETTING AND PAPER VALUATION CHARGES

S.No	Nature of work	Amount(Rupees)
1	Paper setting with Scheme of valuation	400/-
2	Solutions (For papers having numerical problems)	75/-
3	Translation if any	75/-
4	Postal charges/Courier charges	Actual charges on production of receipt
5	DTP Charges	30/-per page for single medium 40/- per page for both media
6	Bundle handling charges	25/-per bundle*
7	Transport charges	18/- per KM
8	Paper valuation	16/- per script Minimum 100/-upto 6 papers)
9	Scrutiny	2.50/- per script Minimum 100/- upto 40 papers)
10	Coding	1.25/- per script

\*Bundle should have a minimum of 10 papers

### Practical Remuneration

S.No	Nature of work	Amount(Rupees)
1	Chief superintendent	125/- per session
2	Remuneration for valuation	16/--(distributed between internal examiners) per paper



3	Paper setting (distributed between the two examiners)	40/- per single batch 30/- per batch if more than one batch
4	DA ( For Non Local appointments only )	300/- per day
5	Local conveyance Allowance(for local appointments )	110/- per day
6	Skilled Asst	75/- per session
7	Clerk(office)	50/-per session
8	Store keeper/herbarium keeper/museum keeper/Lab technician	40/- per session
9	Lab attender/gas mechanic/Electrician/peon	30/- per session
10	Clerk (Examination cell)	50/- per session
11	Attender (Exam. Cell)	30/- per session
12	Sweeper (Lab)	30/- per session

### **SPECIAL EXEMPTIONS**

1. For parentless students and physically challenged students (Blind, Deaf& Dumb) exam fee exemption will be given
2. For Deaf and Dumb candidates English subject is exempted.( No need to write the examination )
3. For Deaf and Dumb candidates pass mark is 25% in every subject

### **TOTAL CREDITS:**

<b>Part</b>	<b>Subject(B.A,B.COM,B.SC)</b>	<b>Credits/ Parts</b>
Part –I (Languages)	English, Second Languages	24
Part –II(Core)	Modules - Electives /Major 1,2, 3-	92

	Major Practicals, Project Work	
Part –III (Foundational Courses)	HVPE/ ES/ICT/CSS/AS/LE	10
PART-IV (Extra Credits)	NCC/NSS/JKC/COP-Add on/Sports/Cultural activity	20(Max) 3(Min)
		<b>TOTAL=129</b>

## EXTRA CREDITS

1. **Certificate Course with minimum 30 days of duration** - 1 credit
2. **PROJECT:** which is approved in BOS -1 credit
3. **SPORTS - Allotment of Credits**

Criteria of Evaluation	Credits
Participation at University Level	1 Credit
Participation at State Level	2 Credit
Participation at National level	3 Credits

## 4. N.S.S Allotment of Credits

S.No	Criteria of Evaluation	Credits
1	Participation in 50% of the total conducted programmes	1 Credit
2	Participation in 80% of the total conducted programmes	2 Credits
3	Participation in 80% of the total conducted programmes & Participation in Special Camp	3 Credits

## 5. N.C.C Allotment of Credits

YEAR	Criteria of Evaluation	CREDITS
I Year	35 parade classes at college with minimum attendance of 75%	1 Credit
II Year	1. ATC/CATC training camp/NIC/Army attachment camp/ Pre RDC, LRDC / RDC /Adventure camps etc., 2. Attendance of 32 parade classes with minimum attendance of 75% 3. Qualifying in 'B' certificate Examination	2 Credits
III Year	1. ATC/CATC training camp/NIC/Army attachment camp/ Pre RDC, LRDC / RDC /Adventure camps etc., 2. Attendance of 28 parade classes with minimum attendance of 75% 3. Qualifying in 'C' certificate Examination	2Credits

### SUPPLEMENTARY EXAMINATIONS

- Supplementary examinations will be conducted once in a year in May/June every year.
- Only final year out going students and old students are allowed to write these examinations.
- No separate supplementary examinations for First and Second year students are allowed. However they are permitted to write the examination in failed subjects during the regular semester end examinations schedule.
- Instant Examination will be held for the students who failed in V or VI semester for single subject only.
- Students are allowed to write the supplementary examination in the existing syllabus and model paper only for up to two years after completion the final year. After that they have write according to the syllabus and model paper of the current academic year.

### Revaluation

Any student can opt for Revaluation in one or more subjects

**Honorarium of COE:** Rs.8000/- per month

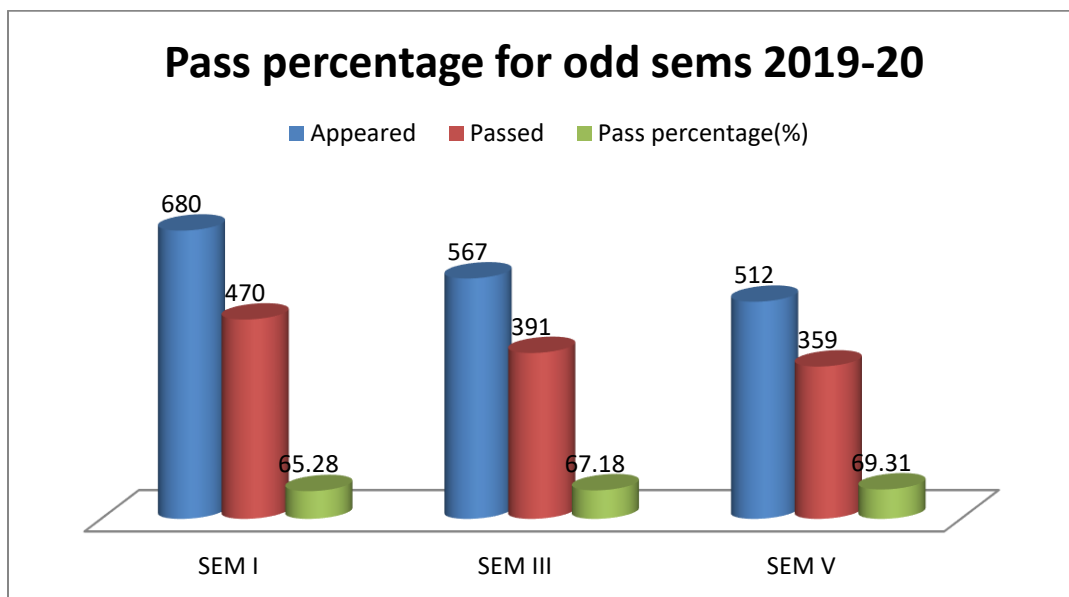
**Honorarium of supporting staff:**

Honorarium will be paid to the supporting staff as per the resolutions made by the Examination Committee. At present the Honorarium is paid to the supporting staff as specified below

1. One programmer – Rs 9,500/-
2. One Asst. Programmer- Rs 7,000/-
3. One office attendant – Rs 5,500/-

**RESULTS OF OCT/NOV 2019 SEMESTER EXAMS**

Semester	Examinations	Result declared	Appeared	Passed	Pass Percentage
I	06-11-19 TO 15-11-19	17-12-19	680	470	65.28%
III	29-10-19 TO 06-11-19	05-12-19	567	391	67.18%
V	29-10-19 TO 06-11-19	05-12-19	512	359	69.31%



## REVALUATION

The revaluation facility was given to the students who were not satisfied with the evaluation process in any subject/subjects. The details are given hereunder

Month/Year	No of students	SEM-I	SEM-III	SEM-V
Oct/Nov 2019	Total Applied	52	155	136
	Total Benefited	27	60	40
	Not Benefited	25	95	96

**Grievances Addressed:** During this year only 10 grievances are received from students and they are resolved.

### Calendar for Academic year 2019-20

S. No	Item	II & III Years	I Year
1	Commencement of class work	6/6/2019	6/12/2019
2	Internal Assessment – I	29 -07-2019	01-08- 2019
3	Internal Assessment – II	03-09-2019	06-09-2019
4	Completion of Syllabus	03-10-2019	03-10-2019
5	Semester Practical Examinations	23-10-2019 to 01-11-2019	14-10-2019 to 22-10-2019
6	<i>Dasara Holidays</i>	04-10-2019 to 13-10- 2019	
7	Semesters End Examinations	29-10-2019 To 06-11-2019	06-11-2019 To 15-11-2019

8	Commencement of class work	18-11-2019	18-11-2019
9	<i>Christmas Holidays</i>	22-12-2019 to 26-12-2019	
10	Internal Assessment-I	07-01-2020 to 10-01-2020	
12	<b>Pongal Holidays</b>	<b>13-01-2020 to 18-01-2020</b>	
13	Internal Assessment – II	26-02-2020 to 29-02-2020	
14	Completion of Syllabus	20-03-2020	20-03-2020
15	<b>Practical Examinations (II &amp; IV Semesters)</b>	21-03-2020 to 30-03-2020	01-04-2020 To 13-04-2020
16	<b>Semesters End Examinations</b>	01-04-2020 To 13-04-2020	21-03-2020 To 31-03-2020
17	Last Working Day	13-04-2020	
18	Supplementary Examinations for I to V Semesters	15-04-2019 to 25-04-2019	
19	<b>Instant Examinations for VI Semester only</b>	I st week of May	

**INCOME STATEMENT OF THE EXAMINATION CELL FOR THE**  
**FINANCIAL YEAR 2018-19**

SL.NO	SOURCE OF INCOME	AMOUNT(Rupees)
1	Collection of fee towards Examinations for I and II Semesters and Revaluation Fee	<b>Rs 23,38,172/-</b>
2	Accrued Bank Interest	<b>Rs 18,445/-</b>
<b>Total</b>		<b>Rs 23,56,617/-</b>

**Total Rs 23, 56,617/- (Rupees Twenty Three Lakhs Fifty Six Thousand Six Hundred And Seventeen Only)**

**EXPENDITURE STATEMENT OF THE EXAMINATION CELL FOR**  
**THE FINANCIAL YEAR 2018-19**

SL.NO	NATURE OF EXPENDITURE	AMOUNT(Rupees)
1	Salaries	2,25,748.00
2	Paper Setting Charges, University provisional fee	2,06,868.00
3	Paper Valuation, Scrutiny, Coding	4,41,507.00
4	BSNL Bills	7,476.00.00
5	Answer books for Mid	61,700.00
6	SEE main answer books	2,74,500.00
7	Marks memos	35,400.00
8	White paper (A4,A3, legal size) and other stationery	65,866.00

9	Renovation of exam cell	94,000.00
10	Practical and SEE Remuneration	3,43,730.00
11	GB Meeting	1,00,000.00
12	AC Meeting	10,200.00
13	BOS bills	1,29,969.00
14	Copier	1,12,00.00
15.	Soft ware AMC	20,335.00
16.	COE Remuneration	66,063.00
17.	Miscellaneous (maintenance of exam cell)	51,856.00
	<b>Net Expenditure</b>	<b>22,47,218.00</b>

**Rupees 22,47,218.00 (Twenty Two Lakhs Forty Seven Thousand Two Hundred And Eighteen Only)**

**Total Income : Rs 23, 56,617 .00**

**Total Expenditure : Rs 22, 47,218.00**

**Net Balance : Rs 1, 09, 399.00**

**As per bank statement**

<b>Balance as on 31-3-2019</b>	<b>Rs 12,77,878.00</b>
<b>Balance as on 31-3-2018</b>	<b>Rs 11,68,479.00</b>
<b>Net balance</b>	<b>Rs 1,09,399.00</b>



**PROPOSED BUDGET FOR THE EXAMINATION CELL FOR THE  
FINANCIAL YEAR 2019-2020**

SL.NO	INCOME SOURCE	AMOUNT(In Rupees)
1	Fee Collection towards Examinations for I , II ,III , IV ,V and VI Semesters and Revaluation Fee	28,00,000.00
2	Expected Bank Interest	22,000.00
<b>Total</b>		<b>28,22 ,000.00</b>

**Total Rs. 28, 22,000/- (Rupees Twenty Eight Lakhs Twenty Two Thousand only)**

**PROPOSED EXPENDITURE FOR THE EXAMINATION CELL FOR  
THE FINANCIAL YEAR 2019-2020**

SL.NO	NATURE OF EXPENDITURE	AMOUNT(Rupees)
1	Salaries	2,34,748.00
2	Paper Setting Charges, University provisional fee	4,00,000.00
3	Paper Valuation, Scrutiny, Coding	7,00,000.00
4	BSNL Bills and Net charges	15,000.00
5	Answer books for Mid	80,000.00
6	SEE main answer books	3,25,000.00
7	Marks Memos, CMMs and provisional	1,20,000.00

	certificates	
8	White paper (A4,A3, legal size) and other stationery	70,000.00
9	Practical and SEE Remuneration	4,00,000.00
11	GB Meeting	1,00,000.00
12	AC Meeting	12,000.00
13	BOS bills	1,30,000.00
14.	Soft ware for internal and external exams, scholarships and AMC	50,000.00
15	COE Remuneration	96,000.00
16	Miscellaneous (maintenance of exam cell)	70,000.00
	<b>Net Expenditure</b>	<b>28,02,748.00</b>

**Rs 28, 02,748.00 (Twenty Eight Lakhs Two Thousand Seven Hundred Forty Eight only)**

**LIST OF CLUSTERS OFFERED DURING 2019-20**

S.N O	SUBJECT	PAPER	TITLE
1	<b>HISTORY</b>	Elective	History of modern europe
		CLUSTER-I	Cultural tourism in andhra pradesh
		CLUSTER-II	Popular movements in andhra desam (1848 to 1956)
		CLUSTER-III	Contemporary history of andhra pradesh (1956-2014)
2	<b>POLITICAL SCIENCE</b>	ELECTIVE	Principles of public administration
		CLUSTER-I	International relations
		CLUSTER-II	Indian foreign policy
		CLUSTER-III	Contemporary global issues

3	<b>ECONOMICS</b>	ELECTIVE	Agriculture economics
		CLUSTER-I	Agribusiness environment in andhrs pradesh
		CLUSTER-II	Agricultural output marketing
		CLUSTER-III	Agricultural input marketing
4	<b>SPECIAL TELUGU</b>	ELECTIVE	Alamkara shasthram
		CLUSTER-I	Journalism
		CLUSTER-II	Aadhunika telugu
		CLUSTER-III	Telugu anuvadham
5	<b>COMMUNICATIVE ENGLISH</b>	ELECTIVE	Communication approach
		CLUSTER-I	Introduction to the study of english literature
		CLUSTER-II	Introduction to the genres of english literature
		CLUSTER-III	Appreciation of literature
6	<b>SPECIAL ENGLISH</b>	ELECTIVE	Introduction to the genres of english literature
		CLUSTER-I	American literature-i
		CLUSTER-II	American literature -ii
		CLUSTER-III	Project work
7	<b>FINANCIAL ECONOMICS</b>	ELECTIVE	Banking theory and insurance
		CLUSTER-I	Central banking
		CLUSTER-II	Rural and farm credit
		CLUSTER-III	Project work
8	<b>TOURISM</b>	ELECTIVE	Tourism marketing
		CLUSTER-I	Accommodation management
		CLUSTER-II	Eco tourism and sustainable development
		CLUSTER-III	Package tours
9	<b>MATHEMATICS</b>	ELECTIVE	Linear algebra
		CLUSTER-I	Integral transforms
		CLUSTER-II	Advanced numerical analysis
		CLUSTER-III	Project work
10	<b>PHYSICS</b>	ELECTIVE	Analog & digital electronics
		CLUSTER-I	Fiber optic communication
		CLUSTER-II	Electronic instrumentation
		CLUSTER-III	Power electronics
11	<b>ELECTRONICS</b>	ELECTIVE	Micro controller & interfacing
		CLUSTER-I	Embedded system design
		CLUSTER-II	Electronics instrumentation
		CLUSTER-III	Power electronics

12	<b>STATISTICS</b>	ELECTIVE	Applied statistics
		CLUSTER-I	Optimization techniques
		CLUSTER-II	Operation research
		CLUSTER-III	Project work
13	<b>COMPUTER SCIENCE</b>	ELECTIVE	Operating system
		CLUSTER-I	Php my sql & word press
		CLUSTER-II	Advanced jquery, ajax, angular js & json
		CLUSTER-III	Project work
14	<b>CLOUD COMPUTING</b>	ELECTIVE	Salesforce marketing & sales
		CLUSTER-I	Soap integration
		CLUSTER-II	Rest integration
		CLUSTER-III	Project work
15	<b>MULTIMEDIA</b>	ELECTIVE	Advanced character animation-2
		CLUSTER-I	Facial animation and blend modes
		CLUSTER-II	Match move and maya live integration
		CLUSTER-III	Project work
16	<b>HOME SCIENCE</b>	ELECTIVE-I	General psychology counselling
		ELECTIVE-II	Training & hrd
		ELECTIVE-III	Tie & dye
		CLUSTER-I	Retail marketing and merchandising
		CLUSTER-II	Resource management
		CLUSTER-III	Project work
17	<b>BOTANY</b>	ELECTIVE	Plant tissue and its bio technological applications
		CLUSTER-I	Plant diversity & human welfare
		CLUSTER-II	Ethnobotany and medical plants
		CLUSTER-III	Pharmacognosy and phytochemistry
18	<b>ZOOLOGY</b>	ELECTIVE I	Immunology
		ELECTIVE I	Cellular metabolism & molecular biology
		CLUSTER-I	Principles of aquaculture
		CLUSTER-II	Aquaculture management
		CLUSTER-III	Post harvest technology
19	<b>MICRO BIOLOGY</b>	ELECTIVE	Micro bial bio technology
		CLUSTER-I	Diagnostic micro biology
		CLUSTER-II	Microbial quality control in food & pharmaceutical industries
		CLUSTER-III	Bio informatics
21	<b>BIO TECHNOLOGY</b>	ELECTIVE	Plant bio technology - animal bio technology

		CLUSTER-I	Basics of fermentation
		CLUSTER-II	Ferment design & down stream processing
		CLUSTER-III	Bio process technology
22	<b>BIO CHEMISTRY</b>	ELECTIVE	Genetic engineering
		CLUSTER-I	Clinical bio chemistry & micro biology
		CLUSTER-II	Protein purification & characterization
		CLUSTER-III	Fundamentals of bio informatics & proten modeling
23	<b>CHEMISTRY</b>	ELECTIVE	Environmental chemistry
		CLUSTER-I	Fuel chem & batteries
		CLUSTER-II	Inorganic materials of industrial importance
		CLUSTER-III	Analysis of applied industrial products

### Requirements and Proposals for Approval in GB

1. One more Asst programmer is required as there is heavy work due to increase in student strength. The remuneration will be Rs 7,000/- per month and. Rs 84,000 per annum has to be paid from exam cell funds.
2. One more room and thirty computer systems are required to conduct online examinations.

According to UGC regulations the BOS, AC and GB meetings should be conducted twice in a year in Autonomous Colleges and the expenditure should be met from Examination cell funds. To procure more funds for examination cell to meet the aforesaid additional expenditure it is proposed for hike in examination fee as specified below.

1. CMM and Provisional Fee from **Rs 350 to Rs 450** for VI Semester
2. Project work fee from **Rs 120 to Rs 220**

