

മഹാത്മാഗാന്ധി സർവ്വകലാശാല

(സംഗ്രഹം)

എം.ഫിൽ സുവോളജി-അഫിലിയേറ്റഡ് കോളേജുകൾ-സമഗ്രമായ റെഗുലേഷൻസും സ്കീമും
-അംഗീകരിച്ച് -ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു.

അക്കാദമിക് 5 വിഭാഗം

സ.ഉ.നം. 1269/എസി.എ5/2/എഫിൽ സുവോളജി./2017/എസി. പി.ഡി ഫിൽസ്, തീയതി 04/03/2017

സൂചന:1. സ.ഉ.നം.4870/എസി.എ5/1/2014 തീയതി 26/09/2014.

2. 10/08/2016-ലെ ബി.ഒ.എസ്. സുവോളജി (പി.ജി) യോഗം മിനിട്സ്.

ഉത്തരവ്

സർവ്വകലാശാലയിലെ അഫിലിയേറ്റഡ് കോളേജുകളിലെ എം.ഫിൽ.സുവോളജി പ്രോഗ്രാം (ക്രെഡിറ്റ് ആൻഡ് സെമസ്റ്റർ സിസ്റ്റം) റെഗുലേഷൻസും സ്കീമും, സിലബസും സൂചന(1) ഉത്തരവ് പ്രകാരം അംഗീകരിച്ചിട്ടുള്ളതാകുന്നു. പ്രസ്തുത റെഗുലേഷൻസിലും സ്കീമിലും ടാബുലേഷൻ വിഭാഗം ഏതാനും അവിഷ്കരണങ്ങൾ ചൂണ്ടിക്കാണിക്കുകയുണ്ടായി. പരീക്ഷാസ്കീമിലെ മാർക്ക് വ്യവസ്ഥയ്ക്ക് അനുസൃതമായി ഗ്രേഡിലേക്കുള്ള മാറ്റപ്പട്ടികയും, സമഗ്രമായ റെഗുലേഷൻസും, രൂപപ്പെടുത്തുന്നതിനായി ബോർഡ് ഓഫ് സ്റ്റഡീസ് യോഗം വിളിച്ചു. 10/08/2016-ൽ ചേർന്ന ബോർഡ് ഓഫ് സ്റ്റഡീസ് സുവോളജി (പി.ജി) യോഗം സൂചന(2) മിനിട്സ് പ്രകാരം, പുന:ക്രമീകരിച്ച പരീക്ഷാസ്കീമും, മുഖ്യനിർണ്ണയവും ഗ്രേഡിങ്ങും സംബന്ധിച്ച റെഗുലേഷൻസും, സംബന്ധിച്ച് ശുപാർശകൾ സമർപ്പിച്ചു.

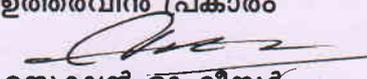
മഹാത്മാഗാന്ധി സർവ്വകലാശാലാ ആക്ട് 1985, അദ്ധ്യായം 3, ചേദം 10(17) പ്രകാരമുള്ള അക്കാദമിക് കൗൺസിലിന്റെ അധികാരം ഉപയോഗിച്ച് വൈസ് ചാൻസലർ, അഫിലിയേറ്റഡ് കോളേജുകളിലെ എം.ഫിൽ സുവോളജി പ്രോഗ്രാമിന്റെ സമഗ്രമായ റെഗുലേഷൻസും പരീക്ഷാസ്കീമും സംബന്ധിച്ച് ബോർഡ് ഓഫ് സ്റ്റഡീസ് സുവോളജി (പി.ജി) സമർപ്പിച്ച ശുപാർശകൾ അംഗീകരിച്ചു. ശുപാർശകൾ അനുബന്ധമായി ചേർക്കുന്നു.

തദനുസരണം ഉത്തരവാകുന്നു.

ഒപ്പ്
രഘുനാഥൻ നായർ.ഡി
അസിസ്റ്റന്റ് രജിസ്ട്രാർ III(അക്കാദമിക്)
രജിസ്ട്രാർക്ക് വേണ്ടി

പകർപ്പ്.

1. വൈസ് ചാൻസലർ/പ്രൊവൈസ് ചാൻസലറുടെ പ്രൈവറ്റ് സെക്രട്ടറിമാർ
2. രജിസ്ട്രാർ/പരീക്ഷാ കൺട്രോളറുടെ പി.എ.മാർ
3. എ.ആർ III /ഡി.ആർ II ,ജെ.ആർ(അക്കാദമിക്)
4. ഇ.ബി./എ.ആർ. XXI/(പരീക്ഷ)
5. ഇ.എച്ച്. III
6. എസി.എ I/എസി.സി/എസി.എൽ
7. സി.എസ്.എസ്.
8. സി.എം.എസ്/ ഐ.ക്യു.എ.സി.
9. കരുതൽ ഫയൽ/ഫയൽ പകർപ്പ്

ഉത്തരവിൻ പ്രകാരം

സെക്ഷൻ ഓഫീസർ

Recommendations of the Board of Studies Zoology (PG) meeting held on 10/08/2016 regarding the M-Phil Zoology Programme at affiliated colleges.

1. To reorganize the scheme of Examination for M Phil-Zoology Programme as detailed in tables I & II attached.

Table I: Abstract of the Credit and Semester Programme in M Phil Zoology at affiliated colleges

Nature of the Course	Course Code	Name of the Course	Hours/Week			Total Teaching hours/semester	Credits	Total Credits	
			Lecture	Seminar	Lab				
Semester I	Core	ZYICT01	Reasearch Methodology	4	3	-	72	4	12
		ZYICT02	Instrumentation	4	3	-	72	4	
		ZYICT03	Practical	-	-	4	54	1	
Semester II	Elective (Optional)	ZYIET01	Ecology and Environmental Management	4	3	-	72	3	
		ZYIET02	Research and Analytical Methods in Environmental Management						
		ZYIET03	Microbiology and Immunology						
Semester II	Project	ZYIPR01	Project work and dissertation	-	-	-	-	16	20
		ZYIPV01	Viva-Voce based on the Project	-	-	-	-	4	
Total			25			270		32	

CT – Core Theory, CP – Core Practical, ET – Elective Practical, PR – Project, PV – Project Viva-voce

Table II: Scheme of Examination and Distribution of Marks in M Phil Zoology.

Nature of the course	Course Code	Name of the Examination	Internal Assessment						External Assessment		Total Mark	Aggr. Mini. for pass	
			Attendance	Test	Assignment	Seminar	Total Marks	Min for pass	Total	Min for pass			
Semester I	Core	ZYICT01	5	5	5	5	20	10	80	40	100	50	
		ZYICT02	5	5	5	5	20	10	80	40	100	50	
		ZYICT03	-	-	-	-	100	50	-	-	100	50	
	Elective (Optional)	ZYIET01	Any one of the Elective Papers as per choice of the student	5	50	20	25	100	50	-	-	100	50
		ZYIET02											
		ZYIET03											
TOTAL			15	60	30	35	240	120	160	80	400	200	
Semester II	Project	ZYIPR01	Project work and dissertation	-	-	-	-	-	-	250	125	250	125
			Seminar on the Project	-	-	-	-	50	25	-	-	50	25
		ZYIPV01	Viva-Voce based on the Project	-	-	-	-	-	-	100	50	100	50
	Total							50	25	350	175	400	200
Grand Total							290		510		800	400	

2. To follow the indirect grading system for the Internal Assessment and external assessment (End Semester examination) as per the details given below (Table – III).

Table III (Details of Grading System)

Table III: Regulations regarding evaluation and grading – Credit and Semester Programme in M Phil Zoology.

1. **Evaluation:** The evaluation scheme shall contain two parts; (a) internal evaluation and (b) external evaluation. **20 marks** shall be given to internal evaluation and **80 marks** to external evaluation so that the ratio between internal and external mark is **1:4**. **However for elective course and practical course there will be only internal evaluation.** Both internal and external evaluation shall be carried out in mark system and final marks will be converted to grades. Both internal and external marks are to be mathematically rounded to the nearest integer.

- A. Internal Evaluation (ISA):** The internal evaluation shall be based on predetermined transparent system involving attendance, periodic written tests, assignments and seminars in respect of theory courses. For practical course based on attendance, lab involvement, written/lab test, record and viva voce. The marks assigned to various components for internal evaluation is as follows.

1. **Components of Internal Evaluation**

All the components of the internal evaluation are **mandatory**

a) For Theory

Sl.No.	Components	Marks
1	Attendance	5
2	Test Paper	5
3	Assignment	5
4	Seminar	5
	Total	20

b) For Practical

Sl.No.	Components	Marks
1	Attendance	4
2	Laboratory Involvement	4
3	Written/Lab test	4
4	Record	4
5	Viva Voce	4
	Total	20

2. Evaluation of
a) Attendance

% of Attendance	Marks
Above 95%	5
Between 90% and below 95%	4
Between 85% and below 90%	3
Between 80% and below 85%	2
Between 75% and below 80%	1
Below 75%	0

b) Assignment

Sl.No.	Components	Marks
1	Punctuality	1
2	Content	2
3	Conclusion	1
4	Reference/Review	1
	Total	5

c) Seminar

Sl.No.	Components	Marks
1	Content	2
2	Presentation	2
3	Reference/Review	1
	Total	5

To ensure transparency of the evaluation process, the internal assessment marks awarded to the students in each course shall be published on the notice board at least one week before the commencement of external examination. **There shall not be any chance for improvement for internal mark.**

The course teacher and the faculty advisor shall maintain the academic record of each student registered for the course which shall be forwarded to the University through the college principal and a copy should be kept in the college for at least two years for verification.

B. External evaluation: The external examination in theory courses is to be conducted by the University with question papers set by external experts. **The answers must be written in English.** The evaluation of the answer scripts shall be done by examiners based on a well-defined scheme of valuation given by the question paper setters. The external evaluation shall be done immediately after the examination. Revaluation/Scrutiny of answer scripts shall be done as per the existing rules prevailing in the University.

The question paper should be strictly on the basis of model question paper set by Board of Studies. **Each set of questions should be accompanied by its scheme of valuation.**

PATTERN OF QUESTIONS

Questions shall be set to assess knowledge acquired, standard, and application of knowledge, application of knowledge in new situations, critical evaluation of knowledge and the ability to synthesize knowledge. The question setter shall ensure that due weightage shall be given to each module based on content/teaching hours allotted to each module. He/She shall also submit a detailed scheme of evaluation along with the question paper.

A question paper shall be a judicious mix of short answer type, short essay type/problem solving type and long essay type questions.

Pattern of questions for external examination for theory paper

Type of Questions	Total No. of questions	Number of questions to be answered	Marks of each question	Total marks
Section A – Short Answer	12	10	2	20
Section B – Short Essay/Problems	8	6	6	36
Section C – Long Essay	4	2	12	24
	24	16	-	80

For all courses (theory & practical), Letter grades and grade points are given on a 10-point scale based on the total percentage of marks, (ISA+ESA) as given below:

Percentage of Marks	Grade	Grade Point (GP)
95 and above	O – Outstanding	10
85 to below 95	A ⁺ - Excellent	9
75 to below 85	A – Very Good	8
65 to below 75	B ⁺ - Good	7
55 to below 65	B – Average	6
50 to below 55	C – Pass	5
Below 50	D – Fail	0
	Ab – Absent	0

A **minimum of 50% marks** (C Grade) is required for a pass for both internal evaluation and external evaluation separately for every course.

A candidate who has not secured minimum marks/credits in internal examinations can re-do the same registering along with the University examination for the same semester, subsequently.

A student who fails to secure a minimum marks/grade for a pass in a course will be permitted to write the examination along with the next batch. **There will be no supplementary and improvement examinations.**

After the successful completion of a semester, Semester Grade Point Average (SGPA) of a student in that semester is calculated using the formula given below. For the successful completion of semester, a student should pass all courses and score a minimum SGPA of 5.0. However, a student is permitted to move the next semester irrespective of her/his SGPA. After the successful completion of the programme the **Cumulative Grade Point Average (CGPA)** is calculated as shown below.

Computation of Credit Point (CP) of a course

$CP = Cr + GP$, where Cr = Credit, GP = Grade Point

Computation of Semester Grade Point Average (SGPA) of a Semester

$SGPA = TCP/TCr$, where

TCP = Sum of Credit Points of all the courses in that semester

TCr = Sum of credits of all the courses in that semester

Computation of Cumulative Grade Point Average (CGPA) of a Programme

$CGPA = \frac{\sum(SGPA) \times TCr}{\sum TCr}$

CGPA shall be rounded off to 2 decimal points. A minimum CGPA of 5.0 is essential to get a pass in the programme.

Grades for the different **semesters and overall programme** are given based on the corresponding SGPA/CGPA as shown below:

SGPA/CGPA	Grade
Equal to 9.5 and above	O – Outstanding
Equal to 8.5 and below 9.5	A ⁺ - Excellent
Equal to 7.5 and below 8.5	A – Very Good
Equal to 6.5 and below 7.5	B ⁺ - Good
Equal to 5.5 and below 6.5	B – Average
Equal to 5.0 and below 5.5	C – Pass
Below 5.0	F – Fail

Sd/-
Chairman
Board of Studies, Zoology (PG)