



ALIGARH COLLEGIATE

COACHING CENTRE & CAREER BUILDING INSTITUTE

JAIL ROAD CAMPUS: 11, Hyderabad Colony, Jail Road, Karachi ☎ 34120891 - 35421577

JINNAH CAMPUS: A-25, Hyderabad Colony, New M. A. Jinnah Road, Karachi ☎ 34913284

BIOLOGY PRACTICAL

DISTRIBUTION OF 15 MARKS

Viva	.....	04 Marks
Journal	.....	03 Marks
Spotting	.....	3 ½ Marks
Experiment	.....	4 ½ Marks
Total	.....	15 Marks

BREAK – UP OF 4 ½ MARKS FOR EXPERIMENT

a) Experiment on frog (1,2,3)

- i) Identification ½ Marks
- ii) Labelled Diagram Dig. 1.0 + labelling 1.0 02 Marks
- iii) Short Accounts of function of organs 02 Marks

b) Physiological experiment (4,5,6)

- i) Definition ½ Marks
- ii) Diagram (2 diagrams to be given 1 + 1 02 Marks
one showing the start of experiment & other showing the end of the experiment)
- iii) Procedure 01 Marks
- iv) Result 01 Marks

c) Experiment on Morphology (7)

- i) Differentiation between vegetative & Reproductive parts 0.5 veget.+0.5 Repro 1.0 Marks
- ii) Description of flower, stem & root 0.5+0.5+0.5 for each 1.5 Marks
- iii) Diagram Diag. 1.0+labeling 1.0 02 Marks

d) Experiment on Microscope (8a,8b)

- i) Description of 06 parts of Microscope 03 Marks
(½ Mark for each part)
- ii) Identification figure & Characteristics Id.0.2+fig.0.5+labelling 0.5 Chart.0.3 for each chart 1.5 Marks



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- e) **Break – up of the Marks of Spotting (Compulsory) (9) for each spots**
Five spots must be done.
- i) Phylum, Class Biological Name & common Name 0.1+0.1+0.1+0.1
(0.1 for each) 0.4 Marks
- ii) Three Characters 0.1+0.1+0.1(0.1 for each character) 0.3 Marks

NOTE

- 1) Emphasis should be given on the actual Performance of the experiment and not on the matter Written in the Answer Book.
- 2) 9 (nine) practicals are to be examined in the Practical Examination.
- 3) Marks of Journal should be awarded Judiciously according to individual performance during practice.
- 4) Practical Examination is being treated as separate passing head with minimum Five (05) marks for passing in the practical.
- 5) Separate sets of practical should be provided to each examinee. A group of students on a single set should not be allowed.
- 6) Viva should be conducted on the spot in any case it should not be conducted by calling the examiner Chair.



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Student Name: _____ Marks: _____

SPOT NO.1

Short Classification of The specimen Identified		Three Characteristics	
1.	Common Name: _____	(i)	_____
2.	Biological Name: _____	(ii)	_____
3.	Phylum: _____	(iii)	_____
4.	Class: _____		

SPOT NO.2

Short Classification of The specimen Identified		Three Characteristics	
1.	Common Name: _____	(i)	_____
2.	Biological Name: _____	(ii)	_____
3.	Phylum: _____	(iii)	_____
4.	Class: _____		

SPOT NO.3

Short Classification of The specimen Identified		Three Characteristics	
1.	Common Name: _____	(i)	_____
2.	Biological Name: _____	(ii)	_____
3.	Phylum: _____	(iii)	_____
4.	Class: _____		

SPOT NO.4

Short Classification of The specimen Identified		Three Characteristics	
1.	Common Name: _____	(i)	_____
2.	Biological Name: _____	(ii)	_____
3.	Phylum: _____	(iii)	_____
4.	Class: _____		

SPOT NO.5

Short Classification of The specimen Identified		Three Characteristics	
1.	Common Name: _____	(i)	_____
2.	Biological Name: _____	(ii)	_____
3.	Phylum: _____	(iii)	_____
4.	Class: _____		