

**M.Phil Physiology (Part-I)**  
**PAPER I**  
**TABLE OF SPECIFICATIONS**

The grey areas of the courses which cannot be covered or are difficult to cover in MCQ's shall be used for framing SEQ's, which may be split into two parts if necessary; attempt shall be made to avoid duplication between MCQ'S and SEQ's. The paper setters are requested to frame questions to evaluate the information learned by the students through evidence based studies and not by rote.

**Distribution of MCQ's and SEQ's with respect to the importance of topics**

Topics	No of Lectures	No of MCQ's	No. of SEQ's
<b>Paper 1</b>			
<b>Cell biology</b>	22	18	1
<b>Physiological chemistry</b>	15	6	1
<b>Genetics</b>	5	4	
<b>Neurophysiology (43)</b>			
a. Properties of excitable tissue	3	4	1
b. Neurons and synapses	5	7	
c. Sensory nervous system	9	9	2.5
d. Motor and integrative physiology	14	15	
e. Special senses	10	12	1
f. Autonomic nervous system	2	5	0.5
<b>Total :</b>	<b>85</b>	<b>80</b>	<b>7</b>

MCQ's = 80                      Total Marks = 80  
SEQ's = 7                      Total Marks = 70  
**Total Marks of the Paper                      = 150**

Time = 90 Minutes  
Time = 90 Minutes  
**Total Time = 3 Hours**

<b>Grand Total</b>	<b>= 150</b>
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**M.Phil Physiology (Part-I)**  
**PAPER II**  
**TABLE OF SPECIFICATIONS**

The grey areas of the courses which cannot be covered or are difficult to cover in MCQ's shall be used for framing SEQ's, which may be split into two parts if necessary; attempt shall be made to avoid duplication between MCQ'S and SEQ's. The paper setters are requested to frame questions to evaluate the information learned by the students through evidence based studies and not by rote.

**Distribution of MCQ's and SEQ's with respect to the importance of topics**

Topics	No of Lectures	No of MCQ's	No. of SEQ's
<b>Paper II</b>			
<b>Immunity, Endocrinology and Reproduction (43)</b>			
a. Cellular basis of immune mechanism	8	5	1
b. General principals of endocrinology	5	8	
c. Specific glands: structure, function and hormones	20	16	2
d. Reproductive physiology	10	10	1
<b>Systemic Physiology (46)</b>			
e. Blood, CVS and exercise physiology	5+15	19	1
f. Respiratory physiology	10	6	1
g. GIT, Nutrition, Vitamins	5	6	
h. Renal physiology, body fluids and acid base balance	10	8	1
i. Skin and body temperature regulations	1	2	
<b>Total :</b>	<b>89</b>	<b>80</b>	<b>7</b>

MCQ's = 80

Total Marks = 80

Time = 90 Minutes

SEQ's = 7

Total Marks = 70

Time = 90 Minutes

**Total Marks of the Paper = 150**

**Total Time = 3 Hours**

**Grand Total = 150**