



**KING EDWARD MEDICAL UNIVERSITY LAHORE**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**

No: 4748/CE

Dated: 23-09-2017

Subject: **APPROVAL OF PATTERN OF QUESTION PAPER FOR MS/MD/MDS JCAT EXAMINATION**

Respected Sir,

It is submitted that the MS/MD/MDS JCAT written Examination is going to be held on Wednesday, 18-10-2017.

In this regard, as directed the following pattern of question paper may please be approved for preparation of paper and communicate to candidates through University website.

Pattern of Question Paper:

**MD/MS (Common Paper)**

➤ 125 MCQ's "Single best answer"

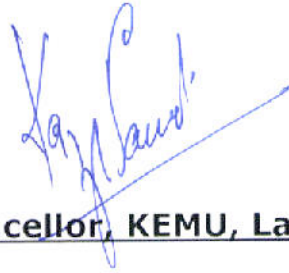
<b>1. Basic Sciences</b>	<b>55 MCQ's Questions</b>
a. Anatomy	17 MCQ's
b. Physiology & Biochemistry	18 MCQ's
c. Pathology	15 MCQ's
d. Pharmacology	05 MCQ's
<b>2. General Medicine &amp; Allied Specialties</b>	<b>30 MCQ's Questions</b>
a. Medicine	20 MCQ's
b. Paediatric Medicine	10 MCQ's
<b>3. General Surgery &amp; Allied Specialties</b>	<b>40 MCQ's Questions</b>
a. Surgery	20 MCQ's
b. Obstetrics & Gynaecology	10 MCQ's
c. Ophthalmology	05 MCQ's
d. ENT	05 MCQ's

MDS Program

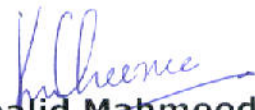
➤ 125 MCQ's "Single best answer"

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|--|--------------------|
| 1. Basic Sciences                      | 55 MCQ's Questions |
| a. Anatomy                             | 17 MCQ's           |
| b. Physiology & Biochemistry           | 18 MCQ's           |
| c. Pathology                           | 15 MCQ's           |
| d. Pharmacology                        | 05 MCQ's           |
| 2. Dental Surgery & Allied Specialties | 70 MCQ's Questions |

Submitted for your kind approval, please.



The Vice Chancellor, KEMU, Lahore



(Dr. Khalid Mahmood Cheema)  
Controller of Examinations

**MD/MS PATTERN OF QUESTION PAPER (MCQ's) FOR JCAT EXAMINATION TO BE  
HELD ON 18<sup>TH</sup> OCTOBER, 2017**

Sr. No.	CONTENTS	No. of MCQs
<b>BASIC SCIENCES</b>		
<b>a. Anatomy</b>		
1.	General Anatomy	01
2.	General Histology	01
3.	General Embryology	01
4.	Upper Limb	02
5.	Lower Limb	02
6.	Thorax	01
7.	Special Histology	01
8.	Special Embryology	01
9.	Pelvis	01
10.	Abdomen	02
11.	Head + Neck	02
12.	CNS	02
<b>TOTAL</b>		<b>17</b>
<b>b. Physiology</b>		
1.	Basic and Cell Physiology	01
2.	Blood Physiology	01
3.	Nerve and Muscle Physiology	01
4.	CVS / Respiratory Physiology	01
5.	Skin + Body Temperature Regulate	01
6.	Nervous System / Special Senses	01
7.	Kidney & Body Fluids	01
8.	Endocrinology / Reproduction	01
9.	GIT	01
<b>TOTAL</b>		<b>09</b>
<b>b. BIOCHEMISTRY</b>		
1.	Biochemistry of the Cell, Cell Membrane Phenomenon, Water, pH and Buffers	01
2.	Chemistry of Carbohydrates	01
3.	Chemistry of lipids	01
4.	Chemistry of proteins & Amino Acid : Plasma Proteins including Immunoglobulins	01
5.	Chemistry of Nucleotides and Nucleic Acids	01
6.	Enzymes	01
7.	Vitamins	01
8.	Nutrition / Minerals and Trace Elements	01
9.	Heme Metabolism, Prophyrias, Hemoglobin & Myoglobin, Hemoglobinopathies	01
<b>TOTAL</b>		<b>09</b>

<b>c. PATHOLOGY</b>		
<b>i. General Pathology &amp; Microbiology</b>		
1.	General Bacteriology / Special Bacteriology	01
2.	Parasitology	01
3.	Virology / Mycology	01
4.	Cell as a unit of Health & Disease / Cellular Responses to stress and toxic insults: Adaptation, Injury & Death	01
5.	Inflammation and Repair / Diseases of Immune System	01
6.	Haemodynamic disorders, Thrombo-embolic Disease & Shock	01
7.	Neoplasia	01
8.	Genetic Disorders / Infectious Disease / Environmental and Nutritional Diseases / Diseases of infancy and Childhood	01
<b>TOTAL</b>		<b>08</b>
<b>ii. Special Pathology</b>		
9.	Blood Vessels / Heart / Diseases of White Blood Cells / RBCs Thymus / Spleen / Lymph Node	01
10.	GIT / Liver & Biliary Tract / Pancreas	01
11.	Lung / Head & Neck	01
12.	Kidney & Bladder / Male Genital System / Female Genital System	01
13.	Breast / Endocrine	01
14.	CNS / Peripheral Nerves / Eye	01
15.	Bones, Joints, Soft Tissue	01
<b>TOTAL</b>		<b>07</b>
<b>d. PHARMACOLOGY</b>		
1.	General Pharmacology	01
2.	Autonomic Nervous System (ANS) / Central Nervous System (CNS)	01
3.	Cardio Vascular System (CVS) / Endocrinology & Blood	01
4.	Respiratory System + GIT + Diuretics	01
5.	Chemotherapy, Autacoid & Prostaglandins	01
<b>TOTAL</b>		<b>05</b>
<b>GENERAL MEDICINE &amp; ALLIED SPECIALTIES</b>		
<b>a. Medicine</b>		
1.	Respiratory System	02
2.	CVS	02
3.	CNS	02
4.	GIT / Liver	02
5.	Renal	01
6.	Haematology	01
7.	Endocrine	02
8.	Diabetes	01
9.	Rheumatology	01
10.	Fluid Elect.	02
11.	Psychiatry	01
12.	Dermatology	01
13.	Infections	02
<b>TOTAL</b>		<b>20</b>