



UNIVERSITY OF MALAKAND

ChakdaraDir (Lower), Khyber Pakhtunkhwa, Pakistan.

Phone: +92 945 9250511, Fax: +92 945 9250505

Email: hayat@uom.edu.pk, Admissions@uom.edu.pk

No: UOM/Admin/2020/125

Date: 29/01/2020

Admissions Section

EXTRACT FROM PROCEEDINGS OF 54th MEETING OF ADVANCED STUDIES AND RESEARCH BOARD HELD ON 23JANUARY, 2020.

ITEM NO 01: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. UMAR SHARIF, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS**

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Structural and Optical Properties of Tin Selenide (SnSe) for Photovoltaic Applications”

The Board approved the course work and also approved the research synopsis.

Assistant Registrar Admissions
University of Malakand

Copy for Information and further necessary action (if any) to:

1. Dean, Faculty of Sciences,
2. Chairman, Department of Physics,
3. The Controller of Examinations,
4. Concerned Supervisor,
5. PS to Vice -Chancellor,
6. PA to Registrar,
7. File

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Admissions Section

No: UOM/Admin/2020/126

Date: 29/01/2020

ITEM NO 02:

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ALEEM ULLAH, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Temporal Cloaking Via the Effect of Compton Scattering”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/127

Date: 29/01/2020

Admissions Section

ITEM NO 03:

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. YASIR ALI, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Compton scattering and Manipulation of Birefringent Temporal Cloaking”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/128

Date: 29/01/2020

Admissions Section

ITEM NO 04: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. SHABANA NAZ, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS**

The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Study of the Spin-Orbit coupling effects in the inverse perovskites A_3SnO ($A=Ca, Sr$ and Ba)”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/129

Date: 29/01/2020

Admissions Section

ITEM NO 05:

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. UMAR ALI, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Solitary and Shock Waves in Degenerate Relativistic Plasma”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/130

Date: 29/01/2020

Admissions Section

ITEM NO 06: **APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ANIS BAHADAR, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS**

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Optoelectronic Properties of Mercury Based Chalcogenides $Hg_3X_2Cl_2$ ($X=S, Se, Te$)”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/131

Date: 29/01/2020

Admissions Section

ITEM NO 07:

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. TAYYEB ULLAH, **M.PHIL** SCHOLAR, DEPARTMENT OF **PHYSICS**

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Structural And Dielectric Studies of Spinel Ferrites $Cu_{1-x}Co_xFe_{2-x}Cr_xO_4$ ”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/132

Date: 29/01/2020

Admissions Section

ITEM NO 08:

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. SALMAN ALI KHAN, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“The Structural Stability in Different Phases of the Perovskite AgTaO₃By Density Functional Theory”

The Board approved the course work and also approved the research synopsis with directives to consult Prof. Dr. Jamil Ahmad to remove the minor changes and to get a certificate to the effect which must be submitted to the Admissions Section for record.

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No: UOM/Admin/2020/133

Date: 29/01/2020

Admissions Section

ITEM NO 09:

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. SAADAT SHAH, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Electronic Structure and Magnetic Properties of Double Perovskites La_2MTiO_6 ($M=Co, Ni, Cu$ and Zn)”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/134

Date: 29/01/2020

Admissions Section

ITEM NO 10:

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. UZMA QAZI, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Study of the Electron-Correlation and Spin-orbit Coupling Effects in Perovskites SrTMO₃ (TM = Mn, Fe, Co, Tc, Ru, Rh, Re, Os and Ir)”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/135

Date: 29/01/2020

Admissions Section

ITEM NO 11:

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. RASHID UL HAQ, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Analytical and Numerical Study of Weibel Instability in Non-Thermal Plasma”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/136

Date: 29/01/2020

Admissions Section

ITEM NO 12

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ZEESHAN AHMAD, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Ion Accoustic Waves in Lorentzian Electron-Positron-ion Plasma”

The Board approved the course work and also approved the research synopsis. However, the capital word “F” be changed by small “f” in the equation No.1.

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No: UOM/Admin/2020/137

Date: 29/01/2020

Admissions Section

ITEM NO 13

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. AYUB KHAN, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Fizeau’s Light Birefringence Dragging Effect in a Moving Chiral Medium”

The Board approved the course work and also approved the research synopsis.

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University of Malakand

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1. Dean, Faculty of Sciences,
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No: UOM/Admin/2020/138

Date: 29/01/2020

Admissions Section

ITEM NO 14

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ABDUL SABOOR, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Birefringent Spectral Hole Burning in a Chiral Medium”

The Board approved the course work and also approved the research synopsis.

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Copy for Information and further necessary action (if any)to:

1. Dean, Faculty of Sciences,
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Admissions Section

No: UOM/Admin/2020/139

Date: 29/01/2020

ITEM NO 15

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. AAMIR SOHAIL, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Electron Acoustic Wave Driven Vortices with non-Maxwellian Hot Electrons and Ions in Magnetoplasma”

The Board approved the course work and also approved the research synopsis with directives to consult Dr. Arifullah to remove the minor changes and to get a certificate to the effect which must be submitted to the Admissions Section for record.

Assistant Registrar Admissions
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No: UOM/Admin/2020/140

Date: 29/01/2020

Admissions Section

ITEM NO 16

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ASGHAR ALI, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Dust Acoustic Solitary and Shock Waves in Non-Maxwellian Plasma”

The Board approved the course work and also approved the research synopsis with directives to consult Dr. Aftab Ali Shah to remove the minor changes and to get a certificate to the effect which must be submitted to the Admissions Section for record.

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No: UOM/Admin/2020/141

Date: 29/01/2020

Admissions Section

ITEM NO 17

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. NADIA GHAFOOR, M.PHIL SCHOLAR, DEPARTMENT OF PHYSICS

The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB. The Board approved research topic of the scholar titled

“Magneto-electronic and Mechanical Properties of the Binary Intermetallics RFe_2 ($R = Eu, Gd$ and Tb)”

The Board approved the course work and also approved the research synopsis.

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No: UOM/Admin/2020/142

Date: 29/01/2020

Admissions Section

ITEM NO 18

APPROVAL OF COURSE WORK STUDIED BY M.PHIL SCHOLARS IN THE DEPARTMENT OF PHYSICS

No	Name	Father Name	Progm	Decision
1	Arshi Gulalai	KhurshidAlam	M. Phil	Approved
2	Wisal Muhammad	Khalid Khan	M. Phil	Approved
3	Ashfaq Ahmad	Muhammad Sadiq	M. Phil	Approved
4	Akhtar Hussain	Noor Badshah	M. Phil	Approved
5	Kaleem Ullah	Fazal Mohammad	M. Phil	Approved
6	Tauseef Khan	Bahram Khan	M. Phil	Approved
7	Yaseen Hassan Khan	Hassan Khan	M. Phil	Approved
8	Abdur Rahman	Bakhtiar Said	M. Phil	Approved
9	Samiullah	Umar Wahid	M. Phil	Approved

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No: UOM/Admin/2020/143

Date: 29/01/2020

Admissions Section

ITEM NO 19

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MS. BIBI FATIMA PH.D SCHOLAR, DEPARTMENT OF MATHEMATICS

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of her research supervisor presented the research work before the ASRB titled

“Modeling of Middle Eastern Respiratory Syndrome Coronavirus and its Co-Infection with other Diseases”

The Board approved the research topic and synopsis of the scholar.

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Copy for Information and further necessary action (if any)to:

1. Dean, Faculty of Sciences,
2. Chairman, Department of Mathematics,
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Admissions Section

No: UOM/Admin/2020/144

Date: 29/01/2020

ITEM NO 20

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. WAJAHAT ALI KHAN PH.D SCHOLAR, DEPARTMENT OF MATHEMATICS

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB titled

“Calized Defect Modes in Multi-Stacked Josephson Junctions with a variety of Drives with Phase Shift”

The Board approved the research topic and synopsis of the scholar.

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Copy for Information and further necessary action (if any)to:

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No: UOM/Admin/2020/145

Date: 29/01/2020

Admissions Section

ITEM NO 21

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. KARIM KHAN, PH.D SCHOLAR, DEPARTMENT OF PHYSICS

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB titled

“Laser Treatment for Cutaneous Leishmaniasis”

The Board approved the research topic and synopsis of the scholar with directives to consult Dr. Aftab Ali Shah to remove the minor changes and to get a certificate to the effect which must be submitted to the Admissions Section for record.

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No: UOM/Admin/2020/146

Date: 29/01/2020

Admissions Section

ITEM NO 22

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. ANWAR ALI KHAN, PH.D SCHOLAR, DEPARTMENT OF PHYSICS

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB titled

“Coherent Control of Goos Hanchen Shift in Dispersive Media” However, the words “and optomechanical system” shall be added at the end of the title.

The Board approved the research topic and synopsis of the scholar with directives to consult Dr. Arifullah to remove the minor changes and to get a certificate to the effect which must be submitted to the Admissions Section for record.

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No: UOM/Admin/2020/147

Date: 29/01/2020

Admissions Section

ITEM NO 23

APPROVAL OF COURSE WORK, **RESEARCH TOPIC AND RESEARCH SYNOPSIS** OF MR. **HABIB UR RAHMAN**, PH.D SCHOLAR, DEPARTMENT OF **PHYSICS**

The course work mandatory for a Ph.D. degree was found satisfactory and was, therefore, approved.

The Scholar concerned in the presence of his research supervisor presented the research work before the ASRB titled

“Coherent Surface Plasmon Polaritons Generation at Interfaces”

The Board approved the research topic and synopsis of the scholar.

Assistant Registrar Admissions
University of Malakand

Copy for Information and further necessary action (if any) to:

1. Dean, Faculty of Sciences,
2. Chairman Department of Physics,
3. The Controller of Examinations,
4. Concerned Supervisor,
5. PS to Vice-Chancellor,
6. PA to Registrar,
7. File

Assistant Registrar Admissions
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Email: hayat@uom.edu.pk, Admissions@uom.edu.pk

No: UOM/Admin/2020/148

Date: 29/01/2020

Admissions Section

ITEM NO 24

APPROVAL OF COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS OF MR. RASHEED ULLAH, M. PHIL SCHOLAR, DEPARTMENT OF CHEMISTRY

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Designing of Reactor for Catalytic Conversion of Co₂ to Methanol Over Magnetic Nanoparticles” However, the word “over” shall be replaced by “using” in the title.

The Board approved the course work and also approved the research synopsis with directives to consult Dr. Muhammad Usman to remove the minor changes and to get a certificate to the effect which must be submitted to the Admissions Section for record.

Assistant Registrar Admissions
University of Malakand

Copy for Information and further necessary action (if any) to:

1. Dean, Faculty of Sciences,
2. Chairman, Department of Chemistry,
3. The Controller of Examinations,
4. Concerned Supervisor,
5. PS to Vice Chancellor,
6. PA to Registrar,
7. File

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No: UOM/Admin/2020/149

Date: 29/01/2020

Admissions Section

ITEM NO 25

APPROVAL OF **COURSE WORK, RESEARCH TOPIC AND RESEARCH SYNOPSIS** OF MR. IZHAR UD DIN, M. PHIL SCHOLAR, DEPARTMENT OF **CHEMISTRY**

The Scholar concerned in the presence of his research supervisor presented his research work before the ASRB. The Board approved research topic of the scholar titled

“Coordination Compounds of M(II) ions with Mono-and Dicarboxylic Acids; Synthesis and Characterization”

The Board approved the course work and also approved the research synopsis.

Assistant Registrar Admissions
University of Malakand

Copy for Information and further necessary action (if any) to:

1. Dean, Faculty of Sciences,
2. Chairman, Department of Chemistry,
3. The Controller of Examinations,
4. Concerned Supervisor,
5. PS to Vice- Chancellor,
6. PA to Registrar,
7. File

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Admissions Section

No: UOM/Admin/2020/150

Date: 29/01/2020

Table Agenda

ITEM - 01:

APPROVAL OF A COURSE WORK IN RESPECT OF MR. JAVED KHAN PHD SCHOLAR ION THE DEPARTMENT OF COMMERCE & MANAGEMENT SCIENCES

The Board approved the additional cores (S.No. 4, code No.PhD/MS-851) studied by Mr. Javed Khan S/o Sultan-Ud-Din Registration No.20080070014

It was unanimously agreed that all HODs of teaching departments shall ensure attaining certificate by their respective faculty members from the HEC regarding approval to supervise scholars.

Assistant Registrar Admissions
University of Malakand

Copy for Information and further necessary action (if any)to:

1. Chairman Department of Commerce & Management Sciences
2. The Deans,
3. HoDs all teaching Departments,
4. The Controller of Examinations,
5. Concerned Supervisor,
6. PS to Vice Chancellor,
7. PA to Registrar,
8. File

Assistant Registrar Admissions
University of Malakand