

**Minutes and Appendices for Alternate Routes to B.Ed. Hons. B.Ed. Secondary Scheme of Studies**

**Follow-up: Agenda Item 2: B.Ed-1 year Degree Future - Notification**

HEC Liaison Committee Meeting of June 10 advised , Director General Academics to ;convene NCRC and deliberate on phase out B.Ed. one year program.

Develop Scheme of Studies as alternate routes to complete B.Ed. (Elementary and Secondary) Programmes.

A special NCRC was invited on June 21 – 22 , 2013 that reviewed and recommended ;

- a) Scheme of Studies as Alternate route to complete B.Ed. Hons Elementary /Secondary
- b) Scheme of Studies B.Ed. Secondary
- c) Discussed and prepared a notification for the universities to Phase out B.Ed. One Year Programme.

A second meeting of NCRC was held on July 13- 2013, in which the recommended scheme of studies were further deliberated by 25 members of NCRC. The proposed scheme of studies by special NCRC members, were further reviewed and finalized.

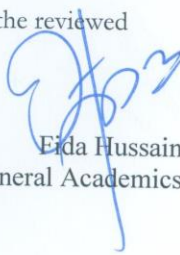
Phase out of B.Ed. One Year was discussed and unanimously agreed that HEC will share a notification with the universities to phase out B.Ed. One Year, effective academic term 2016.

It was suggested to prepare a road map for the teacher education degree programme to facilitate different entry points to complete B.Ed. programme and furthering education.

Attached .

- 1) **Minutes and Semester wise scheme of studies B.Ed. (Hons) Elementary: Entrants with 14 years of Education: Bachelor + 4 semesters.**
- 2) **Semester wise Scheme of Studies B.Ed. (Hon) Secondary: Entrants with 14 years of Education: Bachelor + 4 semesters**
- 3) **Semester wise Scheme of studies B.Ed. (Hons.) 4 year Degree Program (Secondary)**
- 4) **A copy of the Notification to Phase out B.Ed. One Year**

The Minutes of the NCRC meetings and the write up on review process along with the reviewed Schemes of Studies are ready to be uploaded on the HEC website.

  
Eida Hussain  
Director General Academics



# HIGHER EDUCATION COMMISSION

H-9, ISLAMABAD, PAKISTAN, Website: <http://www.hec.gov.pk>

**Fida Hussain**  
Director General (Academics)

No. 9-1/GHQ/Curri/HEC/2013/484  
October 04, 2013

**Subject: Notification to phase out the one year B.Ed. Program by 2016**

Dear Sir/Madam,

On the recommendation of National Curriculum Revision Committee (NCRC), the Higher Education Commission approved the revised scheme of studies and curriculum for four (4) years B.Ed. (Hons.) Elementary in 2012. This program is being currently offered in more than twenty-two (22) Universities across Pakistan. In addition, two (2) years Associate Degree in Education is also being offered in approximately one-hundred (100) Elementary college of Education throughout Pakistan.

2. The HEC NCRC has now approved the revised scheme of studies and curriculum for four (4) years B.Ed. (Hons.) Secondary. The four (4) years B.Ed. (Hons.) Elementary and Secondary degree program, after Intermediate (12-year schooling), have been introduced keeping in view the National Education Policy 2009 that aimed to promote quality education for teachers through pre-service and in-service program. The scheme of studies for entrants' having at least fourteen (14) years of education to complete a four (4) year B.Ed. (Hons.) Elementary and Secondary Program have also been approved by HEC NCRC. The Committee also unanimously recommended HEC to notify to the Universities to phase out one (1) year B.Ed. program by Academic year 2016.

3. In view of the above backdrop, you are requested to phase out one (1) year B.Ed. Program by Academic Year 2016 and include/introduce four (4) years B.Ed. (Hons.) program in your academic schedule with the provision for entrants having fourteen (14) years of education. HEC will not recognize one (1) years B.Ed. program completed after Academic Year 2016.

4. The Scheme of studies for B.Ed.(Hons.) Secondary and alternate route to B.Ed.(Hons.) Elementary and Secondary Program are attached along-with this notification and are also available at HEC website at: <http://www.hec.gov.pk/InsideHEC/Divisions/AECA/CurriculumRevision/Pages/Education.aspx>

Regards,

Yours faithfully

  
(Fida Hussain)

## **Minutes of NCRC Meeting to Review and Recommend the Scheme of Studies proposed by Special NCRC 21 and 22 June 2013**

### **Meeting Objectives:**

Review B.Ed. (Hons) Elementary, Scheme of Studies as an alternate route for students with 14 Years of Education.

Review and approve B.Ed. (Hons) Secondary, Scheme of Studies.

Review and Approve B.Ed. (Hons) Secondary, Scheme of Studies as an alternate route for students with 14 Years of Education.

Recommendation to Phase out of B.Ed. One Year degree by 2016.

Meeting was conducted as per the agenda (see appendix A)

Participants comprised of HEC Representatives, NCRC members, USAID Teacher Education Project Staff. (See appendix B)

**Venue:** HEC Lecture Room, Islamabad

**Date:** July 13, 2013

Meeting started with invocation. Dr Rehana Masrur, Convenor of NCRC shared the purpose and expected outcomes from the meeting. She acknowledged the achievements in the development of Teacher Education curriculum, and appreciated the efforts of NCRC in this regard. She reminded NCRC to connect today's meeting deliberation with the October 5-7, 2009 recommendations and ensure that the unfinished tasks are finished. The recommendations of 2009 meeting were read out;

“1. It was resolved with a majority vote that the title of four year program would be “B. Ed. (Honors) not B.S. Education”

2. There would be two entry points for B.Ed. (Hons) elementary program:

- After completing HSSC (Intermediate)
- After completing four semesters in a B.S. program

3. The new four year degree program will replace the existing B.A. / B.Sc. one year B.Ed. route into teaching

4. The 5th semester will be an entry point for those candidates who will be following their two year BS/B.Sc. and wish to join the 4 year B.Ed. program.

5. The 5th semester will also be an entry point for those students who have done conventional BA/B.Sc. and want to join 4 year B.Ed. program with possible deficiencies of four courses at the undergraduate level. “

Dr Rehana Masrur also briefed the members on the work completed by the special NCRC on 21 and 22 June 2013, she emphasized that the discussions and recommendations prepared by the special NCRC committee were thoroughly deliberated by reading the relevant sections from Education policy

2009 and policy guide lines of HEC “Implementation of Semester System in Higher Education Institutions of Pakistan” and HEC BS 4 years programme scheme of studies structure. The proposed alternate routes were developed as a response the recommendation 4 and 5 of October 2009 minutes. In addition the scheme of studies for secondary as proposed in HEC Education curriculum 2010 was thoroughly reviewed with following principles in mind:

Principle I.

Provided enhanced content knowledge with a proviso to pursue Masters Degree in the area of specialization after earning further credits to meet deficiencies.

Principle II

Enhanced content knowledge will be in two content areas in keeping the school requirements.

Principle III

Total credits for content courses were 51 for social science and 68 for Science and any social science subject requiring field activities. Each lab course will have equivalent to 1 credit lab or field work.

Principle IV

HEC policy allows summer semesters. For entrants joining after 14 years of education as an alternate route to complete the programme in 4 semesters, should plan the semesters accordingly.

Dr Rehana also emphasized that this meeting should prepare a notification for the phase out of B.Ed. one year to remove confusion in degree nomenclature.

Rana Hussain Director Curriculum appraised the parameters for reviewing the proposed scheme of Studies for B.Ed. Hons Secondary and alternate routes to complete B.Ed.Hons Elementary and Secondary.

Breakout sessions

Two groups were formed to review the recommended programs,

Group I: scheme of studies elementary as alternate routes to completing B.Ed. Hons, Elementary

Group II scheme of studies Secondary 4 Years B.Ed. Hons

Scheme of studies secondary as alternate routes to completing B.Ed. Hons

**Outcome on the deliberations and proposed scheme of studies by Group I**

Following changes are proposed for the scheme of studies elementary as an alternate route to complete B.Ed. Hons

- The total credits of 81 were reduced to 75 by dropping course Guidance and Counseling and re organizing teaching practice to 2 semesters of 6 credits each.
- The two Science and Math courses were aligned with the existing titles in the 4 years B.Ed Hons elementary as teaching Science I and II and Teaching Math I and II.
- Members raised concerns that teaching social studies is offered as one course as this marginalizes the subject. This concern was responded that the alternate route to complete B.Ed. Hons is built on the existing four years scheme of studies (Elementary) and proposed changes should be considered for the entire programme after 3 years of implementation.
- The Committee unanimously approved the revised scheme of studies elementary for entrants joining after 14 years of education. It was agreed that the programme will be offered in 4 semesters.

- The revised scheme of studies is appended in Appendix C.

**Outcome on the deliberations and proposed scheme of studies by Group II**

Group II was responsible for two tasks

Review Scheme of studies B.Ed. Hons Secondary

Review alternate routes to complete B.Ed. Hons after 14 years of education.

Members discussed at length the proposed credits for content courses and made the following recommendations:

I) The Secondary scheme of studies is based on the following principles

A 4 year (8 semesters programme).

Programme components are:

Compulsory courses

Content Specialization (one content area and one elective)

Major (Education) Foundation, Professional and Teaching Practice Courses

The title of the B.Ed. degree is proposed B.Ed. Hons Secondary Specialized in.....:

Language

Math

Science

Social science.

Total credits in the content area will be 66 credits. In all there will be 14 courses in one content area and 6 courses in a supportive elective area.

Some content credits are embedded in education courses: Research Project, Two Pedagogy courses.

B.Ed. Hons Secondary scheme of studies is conceived on the principle of double majors.

Total credits are 142 for social science and 162 for subjects requiring lab or field work.

Reviewed and approved scheme of studies for 4 year B.Ed. Hons Secondary is in appendix D.

II) Alternate Routes to complete B.Ed. Hons post 14 years of education and post Masters Degree was also discussed at length. For entrants with Master Degree it was proposed that 66 credits will be given as earned credits while other 76 credits will have to be earned through courses in Education. For entrants with 14 years of Education it was proposed that they take I content area specialization of 14 courses and 6 courses in one elective. The earned credits for entrants with 14 years of Education will be 50 and they will have to earn **81** more credits to qualify with B.Ed . 4 years .

The agenda item to review the course out lines was not discussed. The course out lines for selected courses in education for B.Ed. secondary will be sent to the suggested members and reviewed outlines will be discussed in the next NCRC.

Agenda on Phase out B.Ed One Year was discussed and unanimously agreed by all members that the programme has to be phased out . New education policy suggests that by 2018 all teachers will be appointed with B.Ed. degree, hence it was recommended that since the scheme of studies for secondary and alternate routes to complete B.Ed. Hons are in place, HEC is recommended to notify the universities to phase out B.Ed one year by Academic Year 2016.

NCRC also recommended that a road map for Education programme be added to the scheme of studies to facilitate students entry to complete Bachelor in Education through alternate routes  
Next steps

Mr. Fida Hussain Director General Academics will convene a subcommittee of NCRC which will be responsible for the following

- Review and finalize the course out lines for selected courses in education for B.Ed. secondary.

Rana Hussain Director Curriculum, USAID Teacher Education Project will share the syllabus template and the course out lines to the suggested members to review and finalize before the next NCRC.

Meeting ended with a vote of thanks to the Convenor, NCRC.

## Appendix A

Agenda: Sixth NCRC Meeting  
Scheme of Studies: Alternate Routes into Teaching, and Phase out of 1 Year B.Ed.  
HEC, Islamabad  
Saturday 13 July 2013

<b>Time</b>	<b>Activity</b>	<b>Resource Person</b>
9:00 - 9:05	Recitation and Introduction	
9:05 - 9:20	<ul style="list-style-type: none"><li>Background, purpose and expected outcomes of the Meeting</li></ul>	Dr. Mahmood ul Hassan Butt, Chief of Party USAID Teacher Education project
9:20 - 9:35	<ul style="list-style-type: none"><li>Update on special NCRC Meeting : 21 and 22 June 2013</li></ul>	Convener, NCRC
9:35 - 9:45	<ul style="list-style-type: none"><li>Setting parameters to accomplish the tasks on review and finalize scheme of studies and preparation of notification for one year B.Ed.</li></ul>	Rana Hussain, Director Curriculum
9: 45 - 11:30	<ul style="list-style-type: none"><li>Review and recommend the semester wise scheme of studies (Elementary) for post graduate students with BA/ BSc.</li><li>Review and recommend the semester wise scheme of studies (Secondary).</li></ul>	Group I  Group II
11:30 - 12:45	<ul style="list-style-type: none"><li>Presentation of recommendations to the plenary and finalization of the scheme of studies (Elementary and Secondary)</li></ul>	Group Representatives.
12:45 -1:30	<ul style="list-style-type: none"><li>Review and recommend the semester wise scheme of studies (Secondary) for post graduate students with BA/ BSc.</li><li>Review and recommend the suggested course out lines for scheme of studies secondary</li></ul>	Group I  Group II
1:00 - 1:45	Prayer Break	
1:45 - 2:15	<ul style="list-style-type: none"><li>Presentation of recommendations to the plenary and finalization of the scheme of studies and course outlines (Secondary)</li></ul>	Group Representatives
2:15 - 3:00	<ul style="list-style-type: none"><li>NCRC develops notification for the phase out of B.Ed. One Year with justification and time line.</li></ul>	Rana Hussain
3:00 - 3:15	Close out and next steps	HEC Representative

## Appendix B

### List of Participants with Institutions

S. No	Participants	Institution
1.	Mr Fida Hussain Director General Academics	Higher Education Commission
2.	Mr. Wahab	Higher Education Commission
3.	Mr. Riazul Haque	Higher Education Commission
4.	Professor Rehana Masrur	Convener NCRC
5.	Dr Saeed Khan	Haripur University
6.	Dr Ishtiaque Hussain	Kohat University
7.	Dr Allah noor Khan	Gomal University
8.	Dr .Parveen Munshi	Sindh University
9.	Dr Javed Iqbal	Karakorum International University .GB
10.	Dr Fouzia Khursheed	NUML University Islamabad
11.	Dr Asif Malik	Faisalabad University
12.	Dr. Muhammad Ramzan	Karakorum International University .GB
13.	Dr Bernadette Dean	St Josephs College ,Karachi
14.	Dr Muhammad Tayyab	Foundation University , Islamabad
15.	Dr Munawwar Mirza	Chairperson NACTE
16.	Dr Rizwan. Akram Rana	Punjab University , Lahore
17.	Dr Uzma Querishi	Lahore College of Women University
18.	Dr Rasool Bux Raisani	Baluchistan University, Baluchistan
19.	Dr Mussaret Sheikh	Fatimah Jinnah Women University Rawalpindi
20.	Dr Muhammad Imran Yousuf	Arid Agriculture University Islamabad
21.	Dr Samina. Malik	Islamic International University, Islamabad
22.	Dr. Nabi Bux Jummani	Islamic International University, Islamabad
23.	Dr. Mahmood ul Hassan Butt	USAID Teacher Education Project
24.	Helen Kamal	USAID Teacher Education Project
25.	Dr Fayyaz Ahmad	USAID Teacher Education Project
26.	Rana Hussain	USAID Teacher Education Project



**Appendix C**

**Semester wise scheme of studies B.Ed. (Hons) Elementary: Entrants with 14 years of Education: Bachelor + 4 semesters**

Year I			Year I		
Semester 1			Semester II		
Sr. No.	Courses	Cr. Hr.	Sr. No.	Courses	Cr. Hr.
1	English (Technical writing and presentation skills) (Compulsory)	3	1	Methods of Teaching Islamic Studies (Professional)	3
2	Teaching Science I(Professional )	3	2	Art, Crafts and Calligraphy (Content)	3
3	Classroom Assessment (Foundation)	3	3	Computer literacy in Education (compulsory)	2+1
4	Teaching Mathematics I (Professional)	3	4	Teaching of Urdu/ Regional Languages (Professional)	3
5	Teaching Literacy Skills (Professional)	3	5	School Management (professional)	3
6	Child Development (Foundation)	3	6	Observational Visits and teaching Practice	6
<b>Total Credit Hours</b>		<b>18</b>	<b>Total Credit Hours</b>		<b>20+1</b>

Year II			Year II		
Semester 1			Semester II		
Sr. No.	Courses	Cr. Hr.	Sr. No.	Courses	Cr. Hr.
1.	Teaching of Science (Professional)	3	1	Research project (Professional)	3
2	Research Methods in Education (Professional)	3	2	Advanced Pedagogy (according to school subjects studied at Graduate Level) (Professional)	3
3	Contemporary Issues and Trends in Education (Professional) OR Comparative Education (Professional)	3	3	Curriculum Development (Foundation) OR Foundations of Education (Foundation)	3
4	Teaching of Social Studies (Professional)	3	4	School, Community and Teacher (Foundation)	3
5	Teaching of Mathematics II(Professional)	3	5	<b>Teaching Practice</b>	<b>6</b>
			<b>Total Credit Hours</b>		<b>18</b>
6	Teaching of English (Professional)	3			
<b>Total Credit Hours</b>		<b>18</b>			

**Total credits: 75**

**Members who reviewed the scheme of studies**

1. Dr. Rehana Masrur
2. Dr. Ishtiaque Hussain
3. Dr. Allan Noor
4. Dr. Parveen Munshi
5. Dr. Asif Malik
6. Dr. Fauzia Khurshid
7. Dr. Javed Iqbal
8. Dr. Muhammad Ramzan
9. Dr Muhammad Saeed Khan

**Note:**

As results of discussion, Course Guidance and Counseling was removed. It will now be a part of Child Development course.

Teaching practice offered in semester I year II was merged in II semester Year I and renamed as “Observational Visits and Teaching Practice” valued 6 credits.

Year I Semester II, will be of 21 credits whereas all other semesters are of 18 credits.

The revised Scheme of Studies credits structure is as follows

Earned credits from regular graduate programme =50

Credits students teachers will earn through alternate route to B.Ed. will be= 75

Total credits will be 125.

**B.Ed. (Hons.) 4 year Degree Program (Secondary)  
Scheme of Studies**

**SEMESTER – I (YEAR – I)**

Sr. No.	Courses	Cr. Hr.
1	Islamic Studies / Ethics (Compulsory)	2
2	English – I (Compulsory)	3
3	Foundations of Education(Foundation)	3
4	Information Communication Technology (ICT)in Education	3
5	Content Course – I (from selected discipline) (content)	3
6	Content Course – II (from selected discipline) (content)	3
	<b>Total Credit Hours</b>	<b>17</b>

**SEMESTER – II (YEAR –II)**

Sr. No.	Courses	Cr. Hr.
1	English-II(Compulsory)	3
2	Mathematics(Compulsory)	3
3	Critical Thinking and Reflective Practices(Professional)	3
4	Human Development and Learning(Foundation)	3
5	Content Course – III (from selected discipline ) (Content)	3
6	Content Course – IV (from selected discipline ) (Content)	3
	<b>Total Credit Hours</b>	<b>18</b>

**SEMESTER – III (YEAR – II)**

Sr. No.	Courses	Cr. Hr.
1	Pakistan Studies(Compulsory)	2
2	Content Elective I( in supportive area)	2+1
3	English – III(Compulsory)	3
4	Content Course – V (from selected discipline )(Content)	3
5	Content Course – VI (from selected discipline)(Content)	3
6	General Methods of Teaching (Professional)	3
	<b>Total Credit Hours</b>	<b>17</b>

**SEMESTER – IV (YEAR – II)**

Sr. No.	Courses	Cr. Hr.
1	Content Course – VII (from selected discipline ) (Content)	3
2	Content Course – VIII (from selected discipline ) (Content)	3
3	Guidance and Counseling (Professional)	3
4	Educational Assessment and Evaluation (Professional)	3
5	Content Elective II(in supportive area)	3
6	Supervised School Experience / Observation / Visits(Professional)	3
	<b>Total Credit Hours</b>	<b>18</b>

**TOTAL CREDITS =70**

**SEMESTER – V (YEAR – III)**

Sr. No.	Courses	Cr. Hr.
1	Curriculum Development(Foundation)	3
2	School, Community and Teacher(Professional)	2+1
3	Content Course – IX (from selected discipline ) (Content )	3
4	Content Course –X (from selected discipline ) Content )	3
5	Pedagogy – I (Methods of teachings related to specialization (content embedded) (Professional)	3
6	Pedagogy – II (Methods of teachings related to specialization ) (content embedded)(Professional)	3
	Total Credit Hours	18

**SEMESTER – VI (YEAR – III)**

Sr. No.	Courses	Cr. Hr.
1	Research Methods in Education( Content Embedded)Professional)	3
2	Content Course –XI (from selected discipline ) (Content)	3
3	Content Course –XII(from selected discipline ) (Content)	3
4	Content (Elective III ) in supportive area)	3
5	Teaching Practice (Short Term)(Professional)	3
6	Introduction to Statistics(Foundation)	3
	Total Credit Hours	18

**SEMESTER – VII (YEAR – IV)**

Sr. No.	Courses	Cr. Hr.
1	Content Course – XIII (from selected discipline) (Content)	3
2	Content Course –XIV(from selected discipline) (Content)	3
3	Contemporary Issues and Trends in Education(Professional)	3
4	Comparative Education(Professional)	3
5	Computer Literacy (Compulsory)	3
6	Content (Elective IV) (in supportive area)	3
	Total Credit Hours	18

**SEMESTER – VIII (YEAR – IV)**

Sr. No.	Courses	Cr. Hr.
1	Research Project(Content embedded) (Foundation)	3
2	Content (Elective V) in supportive area.	3
3	Content Elective (VI) in supportive area	3
4	Educational Management and Leadership(Foundation)	3
5	Teaching Practice(Professional)	6
	Total Credit Hours	18

Total credits: 72 credits

Over all credits: 142 credits

For Lab and field work courses 1 credit per course will be allocated. Total credits for the programme will be 162 credits.

Credits for Education Major = 57\*

Credits for selected Content specialization= 42\*

Credits for Electives=18

Credits for compulsory courses=25

\*6 credits overlap with Education Major and Content Specialization.

### **B.Ed. ( Hons) 4 Year degree Programme (Secondary) Scheme of Studies**

Eligibility Criteria = FA/ FSc . (12 years of equivalent education).

Duration = 4 Years (8 semesters)

Course Load per semester: = 15 – 18 credits

No of Courses per semester = 5-6. (Lab courses cannot be more than 3 in a semester)

Structure of the Scheme of studies:

Courses	Credits
Courses in Education (Major)	57
Content courses (Subject specialization)	42
Electives (in supportive area)	18
Compulsory Courses	25

**Appendix D**

**B.Ed. Secondary for entrants with 14 years of Education**

Year I			Year I		
Semester 1			Semester II		
Sr. No.	Courses	Cr. Hr.	Sr. No.	Courses	Cr. Hr.
1	English (Technical writing and presentation skills) (Compulsory)	3	1	Content III Selected Discipline	3
2	Content I ( Selected Discipline	3	2	Content IV Selected Discipline	3
3	Content I I(Selected Discipline	3	3	Elective Course II (in supportive area)	3
4	Educational Assessment and Evaluation (Professional )	3	4	Content V Selected Discipline	3
5	School, Community and Teacher (Professional )	3	5	General Methods of Teaching (Professional)	3
6	Human Development and Learning (Foundation )	3	6	Advanced Pedagogy I in the specialized discipline (Professional)	3
7	Elective Course I( in supportive area)	3	7	Supervised Classroom Observation.	3
<b>Total Credit Hours</b>		<b>21</b>	<b>Total Credit Hours</b>		<b>21</b>

Year II			Year II		
Semester 1			Semester II		
Sr. No.	Courses	Cr. Hr.	Sr. No.	Courses	Cr. Hr.
1.	Content VI (Selected Discipline )	3	1	Research project (Professional)	3
2	Research Methods in Education (professional)	3	2	Foundations of Education (Foundation)	3
3	Contemporary Issues and Trends in Education OR Comparative Education (Foundation )	3	3	Curriculum Development (Foundation)	3
4	Content VII (Selected Discipline	3	4	Elective course III(in supportive area)	3
5	Teaching Practice	3	5	Teaching practice	6
6	Critical thinking and reflective practices (Professional)	3	6	Leadership and Management (professional)	3
7	Advanced Pedagogy II in the specialized discipline (Professional)	3	<b>Total Credit Hours</b> <b>21</b>		

	Total credits	21	<b>Total credits for alternate route Secondary =81</b>
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Universities can offer two summer courses to maintain 18 credits per semester

Minutes Recorded By Rana Hussain

Director Curriculum USAID Teacher Education Project

Following Members reviewed the Scheme of Studies Secondary	
1.Dr.Mahmood ul Hassan Butt	2. Dr Munawwar Mirza
3.Dr Bernadette Dean	4.Dr Muhammad Tayyab
5. Dr Rizwan Rana	6. Dr Uzma Querishi
7. Dr Raisani	8. Dr Mussaret Sheikh
9. Dr Muhammad ImranYusuf	10. Rana Hussain
11. Fida Hussain	12. Dr Samina.
	13. Dr. Nabi Bux Jummani

Date 17- 7 -2013