Minutes of Board of Studies of Civil Engineering Section, University Polytechnic, A.M.U. Aligarh. 01.10.2014

The special meeting of Board of Studies of the Civil Engineering Section, University Polytechnic, A.M.U., Aligarh was held on 01.10.2014 at 10.30 A.M. in the Conference Room, University Polytechnic, A.M.U., Aligarh. The following members were present:

1. Prof. Mohibullah Principal (In Chair)
2. Dr. Anwar Khursheed Associate Professor
3. Mr. Azhar Jameel Associate Professor
4. Mr. M. Rizwan R. Khan Associate Professor
5. Mr. Mohd. Israil Associate Professor
6. Mr. Mazhar Ali Associate Professor
7. Dr. Syed Danish Hasan Associate Professor
8. Mr. Arshad Husain Associate Professor
9. Mr. Suhail A. Khan Assistant Professor
10. Dr. Syed Kaleem A. Zaidi Assistant Professor
11. Dr. M. A. Farooqui Assistant Professor
12. Dr. Ahmad Ashfaq Assistant Professor
13. Dr. Mohd Shariq Assistant Professor
14. Dr. Faisal Zia Siddiqui Assistant Professor
15. Mr. Jan Nisar Akhtar Assistant Professor
   (Co Opted Member, Sr. Scientist,
   Ministry of Non-Conventional Energy
   New Delhi)
16. Mr. H. R. Khan

The following decisions were taken:

Item No.1: In last few years it is observed that a large number of students are admitted to Diploma Engineering courses without their aptitude and intent for technical education. Apart from many other reasons the common test for Diploma & SSSC-Science (Class XI) is mainly responsible for the entry of poor stuff in Diploma Engineering courses. High dropout in some branches of Diploma Engineering is also a manifestation of the common test for Diploma & Class XI on the premise of common eligibility. It lacks objectivity and purposes of a particular field of specialty. The present system also creates a very uneasy situation for an already passed SSSC candidates aspiring to reappear in the same common entrance test.
Therefore the Board of Studies recommends delinking of Diploma in Engineering Test from Combined SSSC/Diploma Engineering Test and requests for separate common entrance test of all branches of Diploma in Engineering as was the practice few years back.

**Item No.2:** On the basis of the feedback from many quarters and even a cursory glance at the fee structure of many courses it was noticed that the fee of Diploma Engineering courses are very high as compared to many other courses. For instance the total fee of non-resident external of Diploma in Electronics is Rs. 19895/- while of Diploma in Electrical is Rs. 10895/- which is very large despite the fact that both the courses are under non-self finance category. This is because of high Department Development Fee (Code: A50010) of Rs. 9000/- in the above-mentioned course. The Board of Studies therefore recommends rationalization of uniform Department Development Fee of Rs. 6000/- in all the Diploma Engineering Courses. As per University policy separate field visit charges under code A50006 are levied according to the requirement of the course and for Diploma in Civil Engineering it is Rs 3000/-. Since field visit under this course is performed every year therefore it is recommended that it shall be spread uniformly over three years @ of Rs 1000/year charge initial Rs. 1000/- at the time of admission and Rs. 1000/- each subsequently at the time of continuation.

In order to follow the policy of gender equality of the University, the BOS expressed its sentiments that Diploma courses in the University Polytechnic are open and accessible to all and it is only University Women’s’ Polytechnic which bars entry of boys. Therefore, the Fee then recommended may be as tabulated below:

<table>
<thead>
<tr>
<th>Fee of Diploma Engineering (Civil)# (in Rs.)</th>
<th>BOYS</th>
<th>GIRLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head of the Account Code</td>
<td>Non-Resident</td>
<td>Resident</td>
</tr>
<tr>
<td>Dept. Dev. Fee A50010</td>
<td>6000</td>
<td>6000</td>
</tr>
<tr>
<td>Field Visit* A50006</td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td>Sherwani Charges B50215</td>
<td>750</td>
<td>750</td>
</tr>
<tr>
<td>Other University Fee</td>
<td>5495</td>
<td>5245</td>
</tr>
<tr>
<td>Grand Total</td>
<td>13245</td>
<td>12995</td>
</tr>
</tbody>
</table>

*to be reviewed every three years and shall be charged yearly.

# Subject to time to time review by the University
Item No.3: The Board of Studies recommended the minor modification in Academic Ordinances in Diploma Courses. (Annexure – I)

Item No.4: The Board of Studies recommended the minor modification in the syllabus of Diploma in Engineering Course. (Annexure – II)

Item No.5: The Board of Studies recommended the introduction of 1st year (2 semester) Advance Diploma Course in Construction Technology and Management.

At the same time the justification of continuation of ADFT course in CES was also raised; it was decided that a committee of following may be constituted to submit its report in this regard to the Principal for onward transmission to Faculty and Academic Council.

1. Dr. Anwar Khursheed  
2. Dr. Syed Danish Hasan  
3. Mr. Arshad Husain  
4. Dr. Faisal Zia Siddiqui

Item No.6: The Board of Studies recommended the restoration of Transportation facility through University Bus for curriculum based surveying, project and other field visits as was the past practice.

The Board of studies authorized the Principal to make necessary minor changes if required.

Members expressed vote of thanks to the Chair.

The Meeting then came to an end.

(Dr. Anwar Khursheed) (Prof. Mohibullah)  
Incharge, CES Principal
CONTENT

EXPERIMENT NO:1.
Determine of R.L of Various Points by height of Instrument method.

EXPERIMENT NO:2.
Determine of R.L of Various Points by Rise and Fall method.

EXPERIMENT NO:3.
Measurement of Horizontal Angle.

EXPERIMENT NO:4
Measurement of Vertical Angle.

EXPERIMENT NO:5.
R. L of the top of an accessible electric pole.

EXPERIMENT NO:6
R. L of the top of an inaccessible electric pole when instrument station and pole are in the same vertical plane

EXPERIMENT NO:7.
R. L of the top of an inaccessible electric pole when instrument station and pole are not in the same vertical plane.

EXPERIMENT NO:8.
Sensitiveness and radius of Curvature of the bubble tube.

EXPERIMENT NO:9.
True difference in elevation between two points by reciprocal Leveling.

EXPERIMENT NO:10.
Tacheometric Constants of a transit theodolite.

EXPERIMENT NO:11.
Horizontal and vertical distance between two points by tacheometry.

Survey/Camp Work.
Pds./Week | Duration of Exam. | Max. Marks
---|---|---
L | P | Hours | Course Work | Mid-Sem. Exam. | End-Sem. Exam | Total
- | 3 | 3 | 60 | - | 40 | 100

**CONTENTS**

**OMITTED MEASUREMENT:**

**Experiment No:1.**
To determine the length and bearing of one side in a closed traverse.

**Experiment No:2.**
To determine the length of one side and bearing of another adjacent side in a closed traverse.

**Experiment No:3.**
To determine the length of two consecutive side AB and AC in a close traverse ABCDEA.

**Experiment No:4.**
To determine the length of two non adjacent sites AB and CD in a closed traverse ABCDEA.

**CURVES:**

**Experiment No:5.**
To set out a simple circular curve by the method of perpendicular offsets from the tangent.

**Experiment No:6.**
To set out the Simple circular curve by the method of offset from the chords Produced.

**Experiment No:7.**
To set out the Simple Circular Curve by Rankin’s method of tangential angles.

**Experiment No:8.**
To set out Simple circular Curve by Rankin’s Two theodolite method.

**Experiment No:9.**
To set out a compound Curve by Rankin’s method.