ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
(Department of Science Education)

Course: ICTs in Science Education (6772)　　　　**Semester: Autumn, 2013**
Level: M. Phil　　　　　　　　　　　　　　　　　　**Total Marks: 100**
　　　　　　　　　　　　　　　　　　　　　　　　　　Pass Marks: 50

1. Response to each question should not be less than 1200.

2. Write answers in your own words after reading the textbook/materials.

3. Avoid irrelevant information, reproduction from any text and give a critical analysis of the questions asked for.

4. Writing your assignment in legible handwriting.

5. Give source in case of quoting any material.

6. Submit the assignment on or before specified date.

7. Late assignment will not be accepted in any case.

ASSIGNMENT No. 1
(Units: 1–4)

Q. 1 a) Discuss the need and importance of ICTs for science education in detail. **(10)**
　　　b) Identify the issues in the use of ICTs in Science Education. Also describe the challenges in integrating ICTs in Science Education. **(10)**

Q. 2 Discuss the groupware and its importance for Science Education. **(20)**

Q. 3 Elaborate the role of drill and practice software in Science Education. **(20)**

Q. 4 Radio and TV programmes is an important component of distance education, argue. **(20)**

Q. 5 a) What ICTs tools are required for science teachers? **(10)**
　　　b) How teachers can assess their work through ICT? **(10)**

ASSIGNMENT No. 2
(Units: 5–9)

Total Marks: 100   **Pass Marks: 50**

Q. 1 Write a detailed note on trends & issues for assessment & evaluation through ICTs at global level. **(20)**

Q. 2 Write a detailed note: **(10 x 2)**
   a)   Scanner
   b)   Microscope

Q. 3 Is ICTs helpful for teachers training and support? Argue. **(20)**

Q. 4 What type of ICTs may be developed for professional development? Discuss in detail. **(20)**

Q. 5 Discuss the learning objects, their need, importance and types. **(20)**

===========