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

WARNING

1. **PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM AWARD OF DEGREE/CERTIFICATE, IF FOUND AT ANY STAGE.**
2. **SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".**

Course: Trends and Issues in Science Education (6771)

ALL QUESTIONS ARE COMPULSORY AND CARRY EQUAL MARKS

Note:

1. Response to each question should not be less than 1000 words failing which marks will be deducted accordingly.
2. Please write in your own words after reading the study guides and the related material. Also avoid irrelevant information, reproduction from any text and render a critical analysis of the questions asked for.
3. Frequently visit www for latest developments and sources.Give source while quoting any material. Use APA style. Also develop reference list for each question separately.
4. No marks will be given for reproduction (copy) from the text or from elsewhere.
5. Please write your assignment in legible handwriting.
6. Please submit the assignment on or before the specified date.
7. Late assignment will not be accepted in any case.

Level: M.Phil **Semester: Spring, 2014**
Total Marks: 100 **Pass Marks: 50**

ASSIGNMENT No. 1
(Units 1-4)

Note: Attempt all questions, each question carry equal marks.

Q.1 Explain in detail scientific literacy. Also discuss science and technology education. (20)

Q.2 What are the learning implications of Piagetian idea of learning? Give examples with reference to Pakistani schools. (20)

Q.3 Highlight changing concept of learning in science. Also discuss nature of knowledge change? (20)

Q.4 Critically examine the approaches to teaching science. (20)

Q.5 Compare and contrast school based curricula and performance based curricula? (20)

ASSIGNMENT No. 2

(Units 5-9)

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

Note: Attempt all questions, each question carry equal marks.

Q.1 Critically examine portfolios.Why we need rubrics as tool for assessment? (20)

Q.2 What are different issues involved in practical work in science education in Pakistan? Also suggest solutions. (20)

Q.3 Discuss in detail the historical perspective of use of ICT in science educaltion. Highlight implications for future practices. (20)

Q.4 What are equity in science education in Pakistan? Also discuss strategies and interventions to enhance equity in science. (20)

Q.5 Analyze different qualitative research methods in science education. Give examples. (20)