

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
(Department of Science 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 "AIU PLAGIARISM POLICY".**
- 3. EXAMPLES COPIED FROM THE COURSE BOOK WILL CARRY NO MARKS.**

Course: Foundations of Science Education (695) Semester: Autumn, 2013
Level: M.Ed Total Marks: 100
Pass Marks: 40

ASSIGNMENT No. 1

(Unit: 1-4)

- Q. 1 "Islam encourages the pursuit of science", debate giving examples from the Quran and from Hadith to support your argument. **(20)**
- Q. 2 Write down the contributions of different scientists in the field of science. List down their discoveries and benefits of those discoveries in the fields of science. **(20)**
- Q. 3 Write a critical comparison of content and methods of science and philosophy. What are your conclusions about the major difference in science and philosophy? **(20)**
- Q. 4 What are the inductive and deductive methods of science? Explain with the examples. **(20)**
- Q. 5 Write brief answers. **(10+10)**
- a) What are the major causes of decline of science in Muslim World?
 - b) What is scientific Empiricism?

ASSIGNMENT No. 2

(Unit: 5-9)

- Q. 1 Describe Piaget's theory of cognitive development. Keeping in view Piaget's theory make suggestions for teaching science at elementary level. **(20)**

- Q. 2 Discuss David Ausubel's theory of learning. What are its implications for science education? **(20)**
- Q. 3 What are the impacts of science and technology on society and people? **(20)**
- Q. 4 Briefly describe the social constructivist view of science education. **(20)**
- Q. 5 Describe Descartes Philosophy of science. **(20)**

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