

ALLAMA IQBAL OPEN UNIVERSITY

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| LEVEL | M.A/M.ED | SEMESTER | SPRING 2019 |
| PAPER | FOUNDATION OF SCIENCE EDUCATION (695) | TIME ALLOWED | 3 Hours |

NOTE: ATTEMPT ANY FIVE QUESTION.

| Q.NO. | QUESTIONS | MARKS |
|---------------|---|--------------|
| Q.NO.1 | Describe the Quranic perspective for the acquisition of knowledge. | 20 |
| Q.NO.2 | Explain the contributions of Muslims in Mathematics and Physics. | 20 |
| Q.NO.3 | Compare and contrast Bacon's and Descartes philosophy of science. | 20 |
| Q.NO.4 | What is realism. Explain its role in the development of science. | 20 |
| Q.NO.5 | Explain Bruner's theory of discovery learning. | 20 |
| Q.NO.6 | What is the origin of constructivism? Describe in detail varieties of constructivism. | 20 |
| Q.NO.7 | a) Explain in detail roots of constructivism. b) write a detailed note on science for social construction. | 20 |
| Q.NO.8 | a) Discuss the social constraints in successful implementation of science for development. b) Write a detailed note on the future trends in science education. | 20 |