

UNIVERSITY COLLEGE LONDON

University of London

EXAMINATION FOR INTERNAL STUDENTS

For The Following Qualifications:–

M.Sc. PG Dip

M.Sc. Prenatal Genetics & Fetal Medicine: Fetal Medicine and Prenatal Diagnosis

COURSE CODE : PGFM0002

DATE : 05-MAY-06

TIME : 10.00

TIME ALLOWED : 3 Hours

MSc/Diploma in Prenatal Genetics and Fetal Medicine
Fetal Medicine
5th May 2006

There are two sections to this exam.

The short answer section makes up 25% of the marks for this paper.

The essay section counts for 75% of the marks (25% each essay).

Section 1 - SHORT ANSWER SECTION

This section makes up 25% of the examination.

1. Write short notes on ALL of the following

- (a) Nuchal Translucency
- (b) Exomphalos
- (c) Chorionic villus sampling
- (d) Parvovirus
- (e) Problems of being born prematurely
- (f) Prenatal diagnosis of thalassaemia

Section 2 - ESSAY SECTION

Answer three essays from this section.

1. Discuss screening and diagnosis of fetal neural tube defects and the management of a pregnancy with an affected fetus.
2. Which fetal treatments do you think have been shown to be beneficial?
3. Discuss the management of the fetus that is thought to be small.
4. What screening tests are available for Down's Syndrome? Discuss their advantages and disadvantages.
5. Describe the advances in the technology used to detect chromosome abnormalities, including the use of fluorescence in-situ hybridisation (FISH) and quantitative fluorescence polymerase chain reaction (QF-PCR) technology. What changes, if any, have they made to prenatal diagnosis?

END OF PAPER