

GCE A Level Biology B (Advancing biology)

H422/03 Practical skills in biology

Question Set 14

1. (a) Fig. 5 is a photomicrograph of a human ovary. Structures within the ovary have been labelled, A to F.

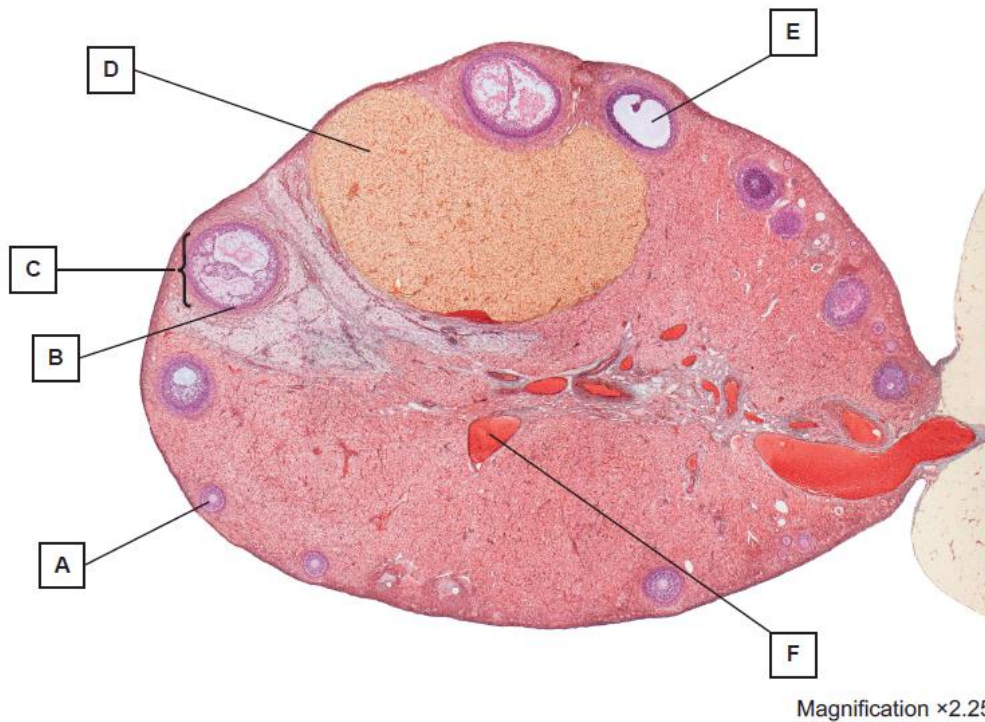


Fig. 5

Using Fig. 5, complete the table below by identifying the structure or label that best fits the description.

Description	Structure	Label
Supplies blood to the ovary	central coiled blood vessel	F
Contains receptors on plasma membranes for FSH		A
Releases oestrogen	follicle	
Contains a haploid nucleus		E
Produces progesterone		D
Gel layer composed of glycoproteins	zona pellucida	

[5]

- (b)* The appearance of an ovary changes with age.

A student observed the ovary in Fig. 5 and concluded that this ovary was from a woman who had not yet started menopause.

Analyse Fig. 5 and comment on this conclusion.

[6]

Total Marks for Question Set 14: 11

OCR

Oxford Cambridge and RSA

Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge