

SECTION C

19. Make a list of any three outbreeding devices that flowering plants have developed and explain how they help to encourage cross-pollination. (3)

OR

Why angiosperm anthers are called dithecal? Describe the structure of its microsporangium.

20. If implementation of better techniques and new strategies are required to provide more efficient care and assistance to people, then why is there a statutory ban on amniocentesis? Write the use of this technique and give reason to justify the ban. (3)

21. Why is pedigree analysis done in the study of human genetics? State the conclusions that can be drawn from it. (3)

22. Identify 'a', 'b', 'c', 'd', 'e' and 'f' in the table given below: (3)

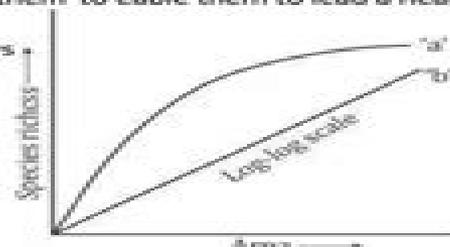
No.	Syndrome	Cause	Characteristics of affected individuals	Sex Male/Female/Both
1.	Down's	Trisomy of 21	'a' (i) (ii)	'b'
2.	'c'	XXY	Overall masculine development.	'd'
3.	Turner's	45 with XO	'e' (i) (ii)	'f'

23. Community Service department of your school plans a visit to a slum area near the school with an objective to educate the slum dwellers with respect to health and hygiene. (3)

(a) Why is there a need to organise such visits?

(b) Write the steps you will highlight, as a member of this department, in your interaction with them to enable them to lead a healthy life. (3)

24. The following graph shows answer the following questions as directed. (3)



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