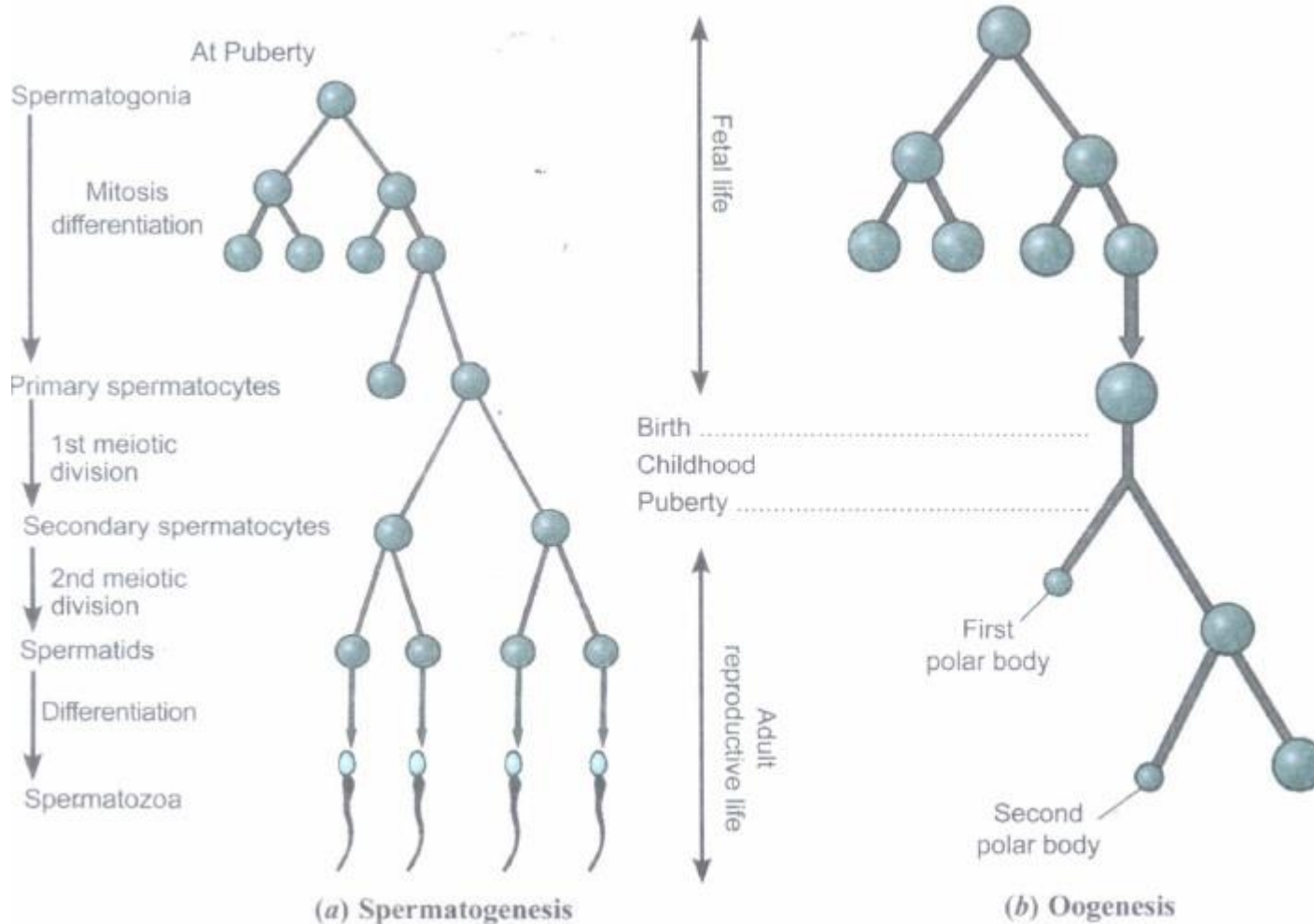


Test 3

Chapter: Human Reproduction and Reproductive Health

FM-10

Q.1



With reference to the above schematic diagram of (a) Spermatogenesis and (b) Oogenesis, answer the following questions.

(a) About 300 million spermatozoa may be present in a human male ejaculate at one time. Calculate how many primary spermatocytes will be involved to produce this number of spermatozoa .

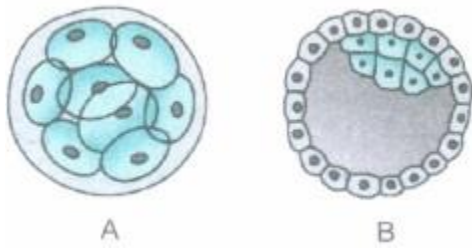
(b) How many spermatids will be formed?

(c) How many chromatids are found during Oogenesis in

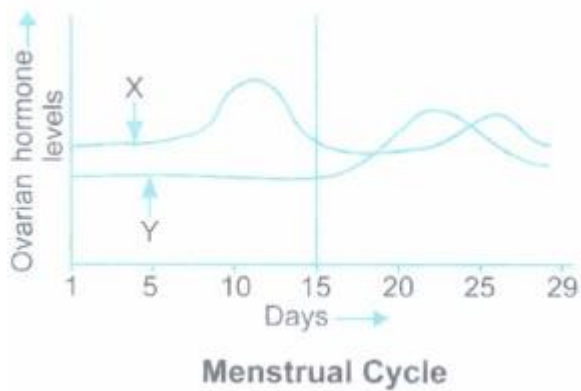
(i) Primary oocyte and

(ii) First polar body in a human female? (3 marks)

2. (a) Identify the human embryonic stages, A and B given.
- (b) Write two differences between A and B. (3)



3. Read the graph given above and answer the following questions:
- Identify the ovarian hormones X and Y and name their respective sources in the ovary.
 - Why does the hormone X peak before the hormone Y? (3)



4. Which Artificial Reproductive Technique can help a lady conceive a child if both her fallopian tubes are blocked?
- SUZI
 - IVF
 - ZIFT
 - GIFT