14. Match the following and choose the correct answer using the codes given below:

List I	List II
A. Anastral mitosis	I. There are cylinders formed from protein monomers.
B. Microtubules	II. Mitosis in which there is no differentiation between cytoplasm and nucleoplasm when the nuclear membrane dissolves
C. Achromatic figure	III. The mitotic apparatus formed by the aster, the centrioles and the spindle together.
D. Eumitosis	IV. Mitosis is higher plants where centrioles may be present without the aster.

Codes:

	A	B	C	D
a.)	IV	I	III	II
b.)	I	III	IV	II
c.)	I	II	IV	III
d.)	III	IV	I	II

15. Equatorial plate is formed in which of the following stages of mitosis?

a) Prophase b) Metaphase c) Anaphase d) Telophase

16. Which of the following phases of mitosis begins which when the two sets of daughter chromosomes reach opposite poles of the cell?

a) Prophase   b) Metaphase   c) Anaphase   d) Telophase

17. Select the false statement out of the following :
a) The constant number of chromosomes in all the cells of the body is because of mitosis.
b) Mitosis restores the surface volume ratio of the cell.
c) A cell can grow in size to a large extent without disturbing the ratio between the nucleus and the cytoplasm.
d) Repair of the body takes place because of addition of cells by mitosis.

18. Which of the following is not a type of meiosis ?
a) Zygotic meiosis   b) Gametic meiosis   c) Indeterminate meiosis   d) None of the above

19. In which stage of female meiotic divisions the first polar body is formed ?
a) First meiotic division   b) First maturation division
c) Second meiotic division   d) Second maturation division.

20. Match the following and choose the correct answer using the codes given below :

List I	List II
A. Gametic meiosis	I. It occurs in lower plants
B. Zygotic meiosis	II. It is a characteristic of higher plants and some thallophytes.
C. Sporic meiosis	III. It is a joining enzyme for short DNA segments.
D. Ligase	IV. It occurs in animals.

Codes

	A	B	C	D
a)	I	II	III	IV
b)	IV	I	II	III
c)	IV	I	III	II
d)	IV	III	II	I