

Challenging MCQs

Anaphylactoid reactions occur due to

- a) IgA b) IgM c) IgE d) None of these

The pyrimidine:purine ratio in a sperm (haploid) is

- a) 1 : 2 b) 1 : 1 c) 2 : 1 d) 3 : 2

Pituitary gland is called as 'hypophysis cerebri' because

- a) It lies below cerebral hemispheres
b) It looks like a balloon below the cerebrum
c) Because it is attached to below of brain through physeal stalk
d) None of the above

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M.B.B.S. Course may be extended by a year

To improve the health care services in Rural India, Cabinet Health Minister Dr. A. Ramadoss has proposed to increase the duration of M.B.B.S. Course by a year. The students would spend this extra year serving in rural postings. However, this plan has met with strong opposition not only from students, but from experts too. Experts opine that a fresh M.B.B.S. graduate is inexperienced to handle such responsibilities. A rural doctor must possess many skills compared to those practicing in urban areas. Lack of 'basic' infrastructure worsens this and students too want to save their precious one year. For those aiming post-graduation studies, rural internship could mean a break in flow. The bill is yet to be passed in Parliament.

Real-Life Reference

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Use of Anti-D antibodies in Rh+ incompatibility:

Rh incompatibility may occur when father of the child is Rh+ve and mother is Rh-ve. Rh-ve being dominant over the other, the fetus may have Rh+ve blood. When the Rh+ve baby is being delivered, some of the fetal blood may come in contact with maternal immunity cells and this sensitizes the Rh-ve mother. The mother will now have Anti-Rh antibodies circulating. Though the first child may be delivered safely, the second child, if Rh+ve will be victimized by the anti-Rh antibodies and erythroblastosis fetalis will result.

When the first baby is delivered, the mother is given anti-D antibodies. These antibodies destroy the fetal Rh+ve cells and prevent them from being exposed to maternal immune system. Thus, the maternal immune system is not exposed to Rh antigen is therefore not sensitized. This ensures that in the next pregnancy, Rh+ve fetus will not be

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