

M. D. (KAUMARABHRITYA- BALA ROGA) (2017 COURSE)
SUMMER-2020
SUBJECT: PAPER-I: BIJA, GARBHA EVAM BALAVIKS VIGYANIYA
(HUMAN GENETIC, EMBRYOLOGY AND GROWTH AND DEVELOPMENT)

Day: **Friday**
Date: **18.09.2020**

Time: **2:00 P.M. TO 5:00 P.M.**
Max. Marks: **100**

S-2020-18037

N.B.:

- 1) Figures to the right indicate **FULL** marks.
- 2) Draw neat labeled diagrams **WHEREVER** necessary.

Long Answer Questions: (LAQ) 3x 20 = 60 Marks (**ANY THREE** out of **FOUR**)

- Q.1** Discuss the role of Panchmahabhuta in Garbha Utpatti and Garbha Vruddhi. (20)
- Q.2** Discuss the diagnosis and approach towards Inborn Errors of Metabolic disorders. (20)
- Q.3** Justify the role of Garbhasamskara in Suprjanana. (20)
- Q.4** Explain the interpretation of Bija, Bijabhaga avayava Vikriti in relation to genetic and hereditary disorders. (20)

Short Answer Questions: (SAQ) 2x 10 = 20 Marks (**ANY TWO** out of **THREE**)

- Q.5** Discuss the types of Chromosomal aberrations. (10)
- Q.6** Discuss Garbhopaghatkar bhavas in detail. (10)
- Q.7** Describe the growth and development of fetus in first three months of Intra Uterine Life. (10)

Write short notes on **ANY FOUR** of the following:

- Q.8** Aatmaj Bhava (05)
- Q.9** Apra Vikar (05)
- Q.10** Genomic Imprinting (05)
- Q.11** Karyotyping (05)
- Q.12** Atulyagotriya (05)

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