

**M.D. (KAUMARBHRITYA – BALA ROGA) : SUMMER - 2018**  
**SUBJECT: KAUMARBHRITYA – BALA ROGA**  
**PAPER – I : BIJA, GARBHA VIGYANA (HUMAN GENETICS & EMBRYOLOGY)**

Day: **Monday**  
Date: **18/06/2018**

**S-2018-3752**

Time: **10.00 AM TO 01.00 PM**  
Max Marks. 100

**N.B.**

- 1) Answer any **3** questions from question No. **1 to 4**, any **2** questions from question No. **5 to 7** and any **4** questions from question No. **8 to 12**.
- 2) Medium of answer is **Hindi** or **English** only.
- 3) Draw neat labelled diagram **WHEREVER** necessary.
- 4) Figures to the right indicate **FULL** marks.
- 5) Write answers in a clean and legible hand writing.

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- Q.1** Describe the various pathologies of chromosomal division. Explain the process of multiplication of sex chromosomes. **(20)**
- Q.2** Explain the verse with proper examples. **(20)**  
“बीजात्मकर्मशयकालदोषैर्मातुस्तथाऽऽहारविहारदोषैः।  
कुर्वन्तिदोषाविविधानिदुष्टाः संस्थानवर्णैर्न्द्रियवैकृतानि।”
- Q.3** Explain in detail the concept of Garbha Vriddhi and Garbha Poshana in detail according to modern medicine and Ayurveda. **(20)**
- Q.4** Explain the process of formation of Prakriti of a person. Explain in detail Manas Prakriti of human beings as described by Kashyapa. **(20)**
- Q.5** Explain the structure of a spermatozoa and an ova. **(10)**
- Q.6** Explain in detail the role of prenatal diagnostic techniques in early deflection of congenital anomalies. **(10)**
- Q.7** Write the role of Panchamahabhuta in formation of a foetus. **(10)**
- Q.8** Enumerate types and complications of Meningomyelocele. **(05)**
- Q.9** Atmaja Bhava. **(05)**
- Q.10** Abnormalities of placenta. **(05)**
- Q.11** Importance of genetic counselling. **(05)**
- Q.12** Different stages of an embryo. **(05)**

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