

MODEL QUESTION PAPER (2022-2023)

2nd YEAR PUC

SUB: BIOLOGY (36)

TIME: 3 HOUR 15 MINUTES

MAX. MARKS: 70

General instructions:

1. The question paper contains four parts A, B, C and D. Part-A consists of I & II and Part-D consists of V & VI.
2. All the parts are compulsory.
3. Draw diagrams wherever necessary, unlabelled diagrams or illustrations do not attract any marks.

PART – A

I. Select the correct alternative from the choices given:

15 x 1 = 15

1. The plant which flowers only once in its life time is
 - a) Date palm
 - b) Sea-grass
 - c) Bamboo
 - d) Papaya
2. If the chromosome number in the gametes of potato plant is 24, then what is the chromosome number in the meiocytes?
 - a) 12
 - b) 48
 - c) 72
 - d) 96
3. Transfer of pollen grains from the anther to stigma of another flower of the same plant is known as
 - a) Autogamy
 - b) Xenogamy
 - c) Cleistogamy
 - d) Geitonogamy
4. Hormone secreted by ovary in the later phase of pregnancy is
 - a) Relaxin
 - b) Progesterone
 - c) Oxytocin
 - d) Oestrogen
5. Infertility due to very low sperm counts in the ejaculates can be corrected by
 - a) In Vitro fertilisation
 - b) Artificial insemination
 - c) GIFT
 - d) ZIFT

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