

Blue Stars Higher Secondary School

home test 10 c

10th Standard

Science

Date : 10-10-10

Reg.No. :

Exam Time : 00:10 Hrs

Total Marks : 100

2 Marks

14 x 2 = 28

- 1) Name the parts of the hind brain.
- 2) What are the structures involved in the protection of brain?
- 3) Which acts as a link between the nervous system and endocrine system?
- 4) Define reflex arc.
- 5) Write the name of a synthetic auxin.
- 6) What is the hormone responsible for the secretion of milk in female after child birth?
- 7) Which hormone is secreted during emergency situation in man?
- 8) Name the endocrine glands associated with kidneys.
- 9) In which part of the flower germination of pollen grains takes place?
- 10) Mention the function of endosperm
- 11) What is the enzyme present in acrosome of sperm?
- 12) What is the need for contraception?
- 13) Name the conditions when both the alleles are identical.
- 14) What is the name given to the segments of DNA, which are responsible for the inheritance of a particular character?

4 Marks

11 x 4 = 44

- 15) Differentiate between Voluntary and involuntary actions.
- 16) What are synthetic auxins? Give examples.
- 17) What will you do to prevent leaf fall and fruit drop in plants? Support your answer with reason.
- 18) What is the role of parathormone?
- 19) Why are thyroid hormones referred as personality hormone?
- 20) What will happen if you cut planaria into small fragments?
- 21) Write the characteristics of insect pollinated flowers.
- 22) How can menstrual hygiene be maintained during menstrual days?
- 23) Luteal phase of the menstrual cycle is also called the secretory phase. Give reason.
- 24) What are Okazaki fragments?
- 25) A pure tall plant (TT) is crossed with pure dwarf plant (tt), What would be the F₁ and F₂ generations? Explain.

7 Marks

4 x 7 = 28

- 26) Describe the structure of spinal cord.
- 27) Describe an experiment which demonstrates that growth stimulating hormone is produced at the tip of coleoptile.
- 28) With a neat labelled diagram describe the parts of a typical angiospermic ovule.

29) How is the structure of DNA organised? What is the biological significance of DNA?
