

Physiology [Honours]

[CBCS]

B.Sc. Fifth Semester End Examination-2023

(Regular & Supplementary Paper)

PAPER-C11T

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group A

- 1) Answer any FIVE questions of the following: 5x2= 10
- a) Define Weber-Fechner Law.
 - b) What is insensible perspiration?
 - c) What is colour blindness?
 - d) Mention the importance of vomeronasal organ.
 - e) What is after image?
 - f) "Skin is the mirror of internal environment"- Justify the statement
 - g) What do you mean by protomeli, dutenomeli and tritenomeli?
 - h) Write the function of pinna.

Group B

- 2. Answer any FOUR questions of the following: 4x5 = 20**
- a) Mention the error of refraction and their correction. 2½+2½
 - b) Describe the role of middle ear in conduction of sound wave.
 - c) Discuss about the neural regulation of body temperature.
 - d) Describe the histological structure of retina.
 - e) Write down the differences between
 - i) endolymph and perilymph.
 - ii) inner hair cell and outer hair cell.
 - f) What do you mean by pure tone and amplitude of sound?

Group C

- 3. Answer any ONE question of the following: 1x10 = 10**
- a) i) Write down the types and characteristics features of odorant molecules.
ii) Discuss briefly about the Bakesy travelling wave theory. 5+5
 - b) Write down the composition of sweat. Describe the mechanism of sweat secretion. How sweat secretion can be regulated? 2+4+4
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