2020

PHYSIOLOGY — HONOURS

Sixth Paper

Full Marks: 100

The figures in the margin indicate full marks.

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

Unit - 11

- 1. (a) What is Physical Ergonomics?
 - (b) Give two examples of two different domains of Physical Ergonomics.
 - (c) Describe the application of Ergonomics for improvement of industrial productivity.
 - (d) What is industrial safety?

4+4+8+4

Or,

- (a) Why physical fitness of a sports person acts as an important contributing factor on his/her sports performances?
- (b) Discuss the methods for assessment of physical fitness by Harvard and Modified Harvard Step Tests.
- (c) What is VO_{2max} ?
- 2. (a) Name the different types of sweat glands.
 - (b) Discuss the mechanism of sweat formation.
 - (c) Describe the main components of sweat.

4+8+8

Or,

- (a) What is hypobaric environment?
- (b) Discuss the preventive measures to be taken against the hypobaric condition.
- (c) Discuss the major physiological changes that occur at high altitude.

4+8+8

