APPENDIX • III

Pre-Test on Olfaction and Gustation 16 Marks

1. The stimulus that excites the nose is the ( )
   a) Olfactory stimulus ( )
   b) auditory stimulus ( )
   c) visual stimulus ( )
   d) gustatory stimulus ( )

2. When we breath in odours, these odours enter the nasal cavity and come in contact with -
   a) Olfactory receptors ( )
   b) nasal receptors ( )
   c) olfactory bulb ( )
   d) olfactory nerve ( )

3. The nose is excited only if the intensity of the odour is
   a) above the absolute threshold ( )
   b) within the absolute threshold ( )
   c) below the absolute threshold ( )
   d) between certain limits below the threshold ( )

4. Tick mark the correct word to be filled to indicate the part marked A in the figure

   a) Olfactory nerve ( )
   b) Olfactory receptor ( )
   c) Nasal receptor ( )
   d) Olfactory bulb ( )

5. The nerve impulses enter the Olfactory receptor through the following in order
   a) nerve fibre, cell body, filament ( )
   b) Filament, nerve fibre, cell body ( )
   c) Filament, cell body, nerve fibre ( )
   d) cell body, filament, nerve fibre ( )
6 The part of the olfactory receptor that is connected to the olfactory bulb is
a) the filament ( )
b) the cell body ( )
c) the nerve fibre ( )
d) the olfactory nerve ( )

7. The olfactory nerve carries nerve impulses to the brain from
a) The olfactory receptor ( )
b) The olfactory bulb ( )
c) The cell body ( )
d) The nerve fibre ( )

8 The technical name for taste is
a) olfaction ( )
b) cutaneous ( )
c) gustation ( )
d) kinesthetic ( )

9 Tick mark the correct word to be filled in to indicate part marked A in the figure

Food dissolves in saliva and chemicals are released, they enter the taste bud through
a) taste receptors ( )
b) supporting cell ( )
c) taste pore ( )
d) nerve fibre ( )
11. Taste stimuli excite one particular cell of the taste bud called
   a) taste receptors
   b) nerve cells
   c) supporting cells
   d) hairs/ filaments

12. The nerve impulses are transmitted from the taste buds to the brain by the
   a) olfactory nerves
   b) optic nerves
   c) cranial nerves
   d) auditory nerves

13. Taste impulses are carried to the brain through three major nerves because
   a) the nerves are widely distributed
   b) taste buds are widely distributed
   c) three major taste buds are found
   d) on either sides of the tongue

14. Taste buds are mainly found -
   a) on the upper surface of the tongue
   b) in the cheeks
   c) on the lower surface of the tongue
   d) on either sides of the tongue

15. Taste stimuli is conducted along the taste bud in the order
   a) nerve fibre, taste receptors, taste pore, hair
   b) hair, taste pore, nerve fibre, taste receptors
   c) taste receptors, taste pore hair, nerve fibre
   d) taste pore, hair, taste receptors, nerve fibre

16. A number of stimulus objects around us give off odours, odours are found in
   a) Solid state
   b) gaseous state
   c) liquid state
   d) semi solid state