

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

B.OPTOMETRY DEGREE EXAMINATION – September 2021
First Year

GENERAL ANATOMY & OCULAR ANATOMY

Time: Three hours

Maximum: 80 marks

I Choose the best answer

(10 x 1 = 10)

1. Lateral Rectur muscle is supplied by
 - a) Oculomotor nerve
 - b) Abducent Nerve
 - c) Trochlear Nerve
 - d) Optic Nerve
2. Which of these is NOT true about cornea?
 - a) Highly sensitive
 - b) highly Vascular
 - c) Transparent
 - d) Refracts light.
3. Which of the following is a flat bone?
 - a) Femur
 - b) Clavicle
 - c) Sphenoid
 - d) parietal
4. The artery of the arm
 - a) Brachial
 - b) Femoral
 - c) Subclavian
 - d) Radial
5. Which layer of the eyeball is rich in blood supply?
 - a) Choroid
 - b) Sclera
 - c) Cornea
 - d) Retina
6. Which of the following is NOT a Passage for food
 - a) Oropharynx
 - b) Larynx
 - c) Pharynx
 - d) Oesophagus
7. Which of the following is considered as “blind spot”?
 - a) Optic nerve
 - b) Optic disc
 - c) Fovea Centralis
 - d) Lens
8. Fertilization occurs in the _____
 - a) Ampulla of uterine tube
 - b) Fimbria
 - c) Ovary
 - d) Isthmus of uterine tube
9. Which one is NOT an Intraocular muscle?
 - a) Superior oblique
 - b) Ciliaris
 - c) Sphincter pupillae
 - d) Dilator papillae

10. Which of these is NOT true about synovial joint?

- a) Joint cavity present
- b) Synovial fluid present
- c) Immovable
- d) Surrounded by capsule

II State whether the following statements are **TRUE** or **FALSE** (10 x 1 = 10)

1. Iodine is needed for the production of Thyroid hormone.
2. Lens contracts and dilates based on the environment.
3. Capillaries connect venules and lymph lacteals.
4. Superior orbital fissure is present at the apex of the orbit.
5. Regeneration of neurons is not possible in central Nervous system.
6. Central artery of Retina is an end artery.
7. Pulse is examined in Brachial artery.
8. The terminal bronchioles end in alveolar sacs.
9. The spaces inside the cerebrum are called Ventricles.
10. Sensory supply of face is by Facial Nerve.

III Fill in the blanks:

(10 x 1 = 10)

1. The fluid contained in the anterior segment of the eye is _____.
2. The _____ attaches the lens.
3. Obstruction of _____ causes glaucoma.
4. β -cells of pancreas secretes _____ hormone.
5. _____ ganglion is related to optic nerve.
6. The nerve that sends information from the eye to the brain is _____.
7. Sperm moves with the help of its _____.
8. The photoreceptor stimulated in dim light is _____.
9. _____ opens into the inferior meatus of the nose.
10. _____ serves as a reservoir of urine.

IV Write any **FIVE** answers of the following:

(5 x 6 = 30)

1. Circle of Willis.
2. Differences between small & large intestines.
3. Portal vein.
4. Pleura.
5. Skin.
6. Arch of aorta
7. Testis.

V Write any **TWO** essays of the following:

(2 x 10 = 20)

1. What is an endocrine gland? Mention all the endocrine glands. Write in detail about Thyroid gland.
2. Write in detail about Lacrimal Apparatus with a neat diagram.
3. Name the lymphoid organs. Write elaborately about spleen.

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