

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

B.OPTOMETRY DEGREE EXAMINATION – August 2018
First Year

GENERAL ANATOMY AND OCULAR ANATOMY

Time: Three hours

Maximum: 80 marks

I Choose the best answer

(10 x 1 = 10)

1. Fertilization occurs in _____ part of fallopian tube
 - a) fimbriated end
 - b) ampulla
 - c) isthmus
 - d) interstitial
2. The nerve related to the surgical neck of humerus is
 - a) axillary
 - b) radial
 - c) ulnar
 - d) median
3. Auditory tube connects
 - a) pharynx and middle ear
 - b) larynx and middle ear
 - c) pharynx and inner ear
 - d) larynx and inner ear
4. Which of the following endocrine gland's part is an extension of brain
 - a) Pituitary
 - b) thyroid
 - c) adrenal
 - d) gonads
5. Outer coat of eyeball is
 - a) retina
 - b) skin
 - c) sclera
 - d) choroid
6. The clinical condition Argyll Robertson pupil is due to the absence of
 - a) accommodation reflex
 - b) light reflex
 - c) consensual light reflex
 - d) corneal reflex
7. Hip extension is performed by
 - a) Gluteus maximus
 - b) semimembranosus
 - c) Triceps femoris
 - d) vastus medialis
8. Arterial supply to heart is by
 - a) carotid artery
 - b) coronary artery
 - c) vertebral artery
 - d) axillary artery
9. Extra ocular muscles are attached to which of eyeball
 - a) optic disc
 - b) lens
 - c) retina
 - d) sclera
10. Which of the following muscle is present inside the eyeball
 - a) levator palpebrae superiors
 - b) lateral rectus
 - c) orbicularis oculi
 - d) ciliaris

(p.t.o)

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

1. Third ventricle is present in the midbrain
2. Tail of pancreas contains more number of islets of Langerhan's cells
3. Left lung is more prone to infection than right lung.
4. Projection fibres present in internal capsule
5. All the muscles of tongue are supplied by the hypoglossal nerve
6. Lacrimal gland is supplied by the nerve to pterygoid canal.
7. Trapezius is supplied by spinal accessory nerve
8. Cornea is an avascular structure
9. Popliteal artery is the continuation of brachial artery
10. Radius is one of the carpal bones

III Fill in the blanks: (10 x 1 = 10)

1. Coverings of testis are _____, _____ and tunica vasculosa
2. Medulla of kidney contains _____ and _____.
3. External jugular vein is formed by union of posterior division of _____ vein and _____ vein.
4. _____ and _____ occupy the bony vestibule
5. Intervertebral disc is made up of _____ and _____.
6. Space between the two vocal cords is called _____
7. Union of right and left branchiocephalic veins forms _____
8. Brachial artery is bifurcated into _____ and _____ arteries
9. Epidermis is made up of _____ epithelium
10. Right lung has _____ lobes.

IV Write any **FIVE** answers of the following: (5 x 6 = 30)

1. Hyoglossus muscle
2. Spinal cord
3. Thoracic duct
4. Urinary bladder
5. Spleen
6. Pericardium
7. Arterial supply of the thyroid artery

V Write any **TWO** essays of the following: (2 x 10 = 20)

1. Classify the muscles and give a detailed account on Deltoid muscle
2. Name the glands present in endocrine system. Describe the situation, blood supply, parts and hormones secreted by pituitary gland.
3. Enumerate the various organs of female reproductive system. Write in detail about uterus.

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