

APR 2000



H 101

First B.H.M.S. Examination, 2000
ANATOMY (Paper - I)

13-6-2000
10.30 a.m. to 1.30 p.m.

Instruction: Write Section A and Section B in separate answer sheets.

PART - II
SECTION - A

Write short notes on any two from (i) and any two from (ii).

- | | |
|--------------------------------------|--------------------|
| i) a) Spermiogenesis | ii) a) Barr body |
| b) Development of Hypophyses-Cerebri | b) Chromosomes |
| c) Development of Tongue | c) Down's syndrome |

20

Describe the anatomy of parotid gland. Add a note on its applied anatomy.

15

OR

Describe the Lateral wall of nose in detail.

SECTION - B

Write short notes on any three:

15

- Lateral geniculate body.
- Section of pons at the level of facial colliculus.
- Facial nucleus.
- Corpus callosum.

Write short notes on any two:

20

Describe the anatomy of:

- Cubital fossa.
- Deltoid muscle.
- Carpal Tunnel.
- Ulnar Nerve.

First B.H.M.S. Examination, 2000
ANATOMY (Paper - I)

PART - I

Date: 13-6-2000
Time: 10.30 a.m. to 1.30 p.m.

Instructions: 1) Cross only one block for each question.
2) Avoid overwriting or striking of the answer once written.
3) Each of the following questions is followed by four distractors.

1. Oculomotor nu. is present in
a) Dorsal thalamus
b) ~~Mid Brain~~ ✓
c) Hypothalamus
d) Ventral thalamus
2. Interpenduncular fossa contains
a) Infundibulum
b) Mamillary bodies
c) Post perforated sub.
d) ~~All~~ ✓
3. Visual cortex is present in
a) ~~Occipital lobe~~ ✓
b) Temporal lobe
c) Parietal lobe
d) Frontal lobe
4. Area no. of primary motor cortex is
a) 6
b) ~~4~~ ✓
c) 8
d) 1
5. The only flexor supplied by radial nerve is
a) ~~Flexor carpi radialis~~ ✓
b) Brachioradialis
c) Coracobrachialis
d) Pronator teres
6. Structures developing from extraembryonic coelom are
a) Pleural cavity
b) Peritoneal cavity
c) Pericardial cavity
d) ~~None of above~~ ✓
7. Umbilical cord contains.
a) Umbilical vessels
b) Vitellointestinal duct
c) Wharton's jelly
d) ~~All~~ ✓
8. Infundibulum of Rt. ventricle is developed from
a) Sinus venosus
b) ~~Bulbus cordis~~ ✓
c) Atrial chamber
d) None of above

April-2000

June

MUHS 2000

Name of the Examination: _____ Section : A
Subject : _____

Question Booklet Version
H 14

Roll No.

Question Booklet Sr. No.
400346

Answer Sheet No.

Date: _____

This is to certify that, the entries of Examination, Subject, Roll No. and Answer Sheet No. have been verified.

Candidate's Signature _____

Invigilator's Signature _____

INSTRUCTIONS TO CANDIDATES

- 1) This question booklet contains objective type questions.
- 2) The question paper and OCR Answer Sheet are issued separately at the start of the examination.
- 3) Candidate should carefully read the instructions printed on the question booklet and answer sheet and make correct entries on the Answer Sheet. As ANSWER SHEETS are designed to suit the OPTICAL CHARACTER READER (OCR) SYSTEM, special care should be taken to make correct entries. Special care should be taken to fill question booklet VERSION and SERIAL NO., Roll No. accurately. The correctness of entries has to be cross-checked by the invigilator. The candidate must sign on the Answer Sheet and question booklet.
- 4) During the time of examinations:-
 - a) Read each question carefully.
 - b) Determine the correct answer from out of the four available options given under each question.
 - c) Cross 'X' in the correct block below the question number in the answer sheet with Blue Ball Point Pen only. e.g.

Q. No. 13 : The product of 0.5×0.05 is
(Question Booklet)

- (a) 0.05
- (b) 0.005
- (c) 0.025
- (d) 0.25

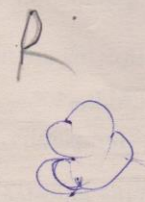
Q. No.

(Answer Sheet)			
11	12	13	14
a <input type="checkbox"/>	a <input type="checkbox"/>	a <input type="checkbox"/>	a <input type="checkbox"/>
b <input type="checkbox"/>	b <input type="checkbox"/>	b <input type="checkbox"/>	b <input type="checkbox"/>
c <input type="checkbox"/>	c <input type="checkbox"/>	c <input checked="" type="checkbox"/>	c <input type="checkbox"/>
d <input type="checkbox"/>	d <input type="checkbox"/>	d <input type="checkbox"/>	d <input type="checkbox"/>

Thus as the correct answer is 'c' the candidate should cross the block corresponding to 'c' under Question No. 13 on the answer sheet.

- 5) Rough work should be done only on the blank space provided on the question booklet. **Rough work should not be done on the Answer Sheet.**
- 6) Immediately after the prescribed examination time is over, the answer sheet and the question booklet is to be returned to the invigilator after both the candidate and invigilator have signed.
- 7) **No candidate is allowed to leave the examination hall till the examination session is over.**

- 12. The epithelium of cornea and conjunctiva is derived from
 - a) Ectoderm
 - b) Endoderm
 - c) Mesoderm
 - d) None of above
- 13. Eustacian tube opens in
 - a) Nasopharynx
 - b) Laryngopharynx
 - c) Oropharynx
 - d) Piriform fossa
- 14. Superior Rectus is supplied by
 - a) IIIrd cranial N.
 - b) IVth cranial N.
 - c) VIth cranial N
 - d) None of above
- 15. Nasolacrimal duct drains in
 - a) Inferior meatus
 - b) Middle meatus
 - c) Superior meatus
 - d) Spheno-ethmoidal recess
- 16. Maxillary nerve passes through
 - a) Foramen ovale
 - b) Foramen spinosum
 - c) Foramen lacerum
 - d) Foramen rotandum
- 17. Ophthalmic artery is a branch of
 - a) External carotid A
 - b) Internal carotid A
 - c) Facial A
 - d) None of above
- 18. Following structures pass through supra orbital fissure except.
 - a) Ophthalmic nerve
 - b) Ophthalmic vein
 - c) Ophthalmic artery
 - d) Trochlear N.
- 19. Structures passing through carpal tunnel are
 - a) Median N
 - b) Flexor digitorum tendons
 - c) Flexor pollicis longus
 - d) All
- 20. Ulnar nerve supplies all the following except.
 - a) Adductor pollicis
 - b) Flexor carpi ulnaris
 - c) Supinator
 - d) Introssei
- 21. Action of Teres major is
 - a) Adduction and lateral rotation
 - b) Adduction and medial rotation
 - c) Abduction and lateral rotation
 - d) Abduction and medial rotation
- 22. Which muscle/muscles are supplied by axillary N.
 - a) Deltoid
 - b) Teres minor
 - c) A & B
 - d) Teres major



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20. Deltoid muscle causes all the actions at shoulder joint except
- a) Abduction
 - b) ~~Adduction~~
 - c) Flexion
 - d) Extension
21. Following are muscles of mastication except
- a) Masseter
 - b) Temporalis
 - c) Lateral pterygoid
 - d) ~~Sternohyoid~~
22. All the muscles of tongue are supplied by hypoglossal nerve except.
- a) ~~Palatoglossus~~
 - b) Styloglossus
 - c) Genioglossus
 - d) Chondroglossus
23. The contents of carotid triangle are
- a) Common carotid artery
 - b) Vagus nerve
 - c) Internal jugular vein
 - d) ~~All~~
24. Following are the branches of external carotid A except
- a) Facial A
 - b) Maxillary A
 - c) Lingual A
 - d) ~~Vertebral A~~
25. The no. of chromosomes present in ovum are
- a) 22 XX
 - b) 22 XY
 - c) ~~44 XX~~
 - d) None of above
26. In Down's syndrome no. of chromosomes are
- a) 44 XY
 - b) 45 XX
 - c) 44 XX
 - d) ~~None of above~~
27. In Turner's syndrome no. of chromosomes are
- a) ~~45~~
 - b) 46
 - c) 47
 - d) None of above
28. Barr body is absent in
- a) Klinefelter's syndrome
 - b) Down's syndrome *or* *mongolism*
 - c) ~~Turner's syndrome~~
 - d) All
29. IIIrd ventricle is cavity of
- a) Rhomben cephalon
 - b) ~~Diēn cephalon~~
 - c) Mesen cephalon
 - d) Telen cephalon
30. Nu. of tractus solitarius contains sensory fibers of
- a) VIIth nerve
 - b) IXth nerve
 - c) Xth nerve
 - d) ~~All~~

SPACE FOR ROUGH WORK

NOV 2000
5

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W - 201

Ist B.H.M.S. Examination, 2000
ANATOMY Paper - I



SECTION - B (SAQs)

2. Answer any THREE: 15
- A) Blood Supply of C.N.S.
 - B) Corpus Callösum.
 - C) T.S. Medulla through Sensory Decussation
 - D) Middle Ear Cavity.
3. Answer any TWO: 10
- A) Chromosomes.
 - B) Fertilisation.
 - C) Primitive Streak.
4. Write notes on:
- A) Gene.
 - B) Down's Syndrome.

R

SECTION - C (LAQs)

- (35)
5. Describe Thyroid Gland. Comment on it's applied aspect. 15
6. Describe shoulder joint. 10
7. Describe origin, course and distribution of median nerve. 10
- OR
- Describe Axillary Nerve. 10

- NOV 2000

MUHS - 2000

Name of the Examination _____

Subject _____

Section: A

Question Booklet Version

W 014

Roll No.

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Question Booklet Sr. No.

400792

Answer Sheet No.

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- 0.25

(Answer Sheet)

Q. No.

	11	12	13	14
a	<input type="checkbox"/>	a <input type="checkbox"/>	a <input type="checkbox"/>	a <input type="checkbox"/>
b	<input type="checkbox"/>	b <input type="checkbox"/>	b <input type="checkbox"/>	b <input type="checkbox"/>
c	<input type="checkbox"/>	c <input type="checkbox"/>	c <input checked="" type="checkbox"/>	c <input type="checkbox"/>
d	<input type="checkbox"/>	d <input type="checkbox"/>	d <input type="checkbox"/>	d <input type="checkbox"/>

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✓ 2

W 014

Ist B.H.M.S. Examination, 2000
ANATOMY (Paper - I)

Duration: 3 Hours

Total Marks: 100

Instructions: 1) EACH question carries 1 mark.
2) Avoid overwriting and/or striking of answers once written.
3) M.C.Q. question paper and answer sheet will be collected after 30 minutes.

Directions: For EACH question there are FOUR alternatives. On answer sheet put a cross in box of most appropriate answer.

SECTION - A (MCQ)

(Marks 30)

- Which of the following is referred to as the grinning muscle
 - Levator Anguli Oris
 - Zygomaticus Major *smile*
 - Zygomaticus Minor *-sa idness*
 - Bisorius
- The Length of the parotid duct is
 - 10 c.m.
 - 5 c.m.
 - 7.5 c.m.
 - 2.5 c.m.
- The average age for the Eruption of the 1st Molar Tooth is Nearest to
 - 4 year
 - 6 year
 - 8 year
 - 10 year

*Incisor = 8
Canine = 4
Molar = 8
Premolar = 12*
- In which triangle sub-mandibular salivary gland is located
 - Sub-mental triangle
 - Carotid triangle
 - Digastric triangle
 - Muscular triangle
- Radial Fossa is a depression on the
 - Back of the Lower end of Humerus
 - Just below the root of coronoid process
 - Front of the lower end of humerus
 - Front of the upper end of radius
- Which of the following is a Multipennate muscle
 - Teres Major
 - Pectoralis Major
 - Serratus Anterior
 - Deltoid
- Which of the following nerves supply the deltoid muscle
 - Axillary Nerve
 - Musculocutaneous N.
 - Upper subscapular
 - Radial Nerve
- Which one of the following is a membranous bone
 - Clavicle
 - Scapula
 - Humerus
 - Radius

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(11)

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17. Which of the following muscle perform abduction of shoulder joint between 15° to 90°
- a) Intraspinatus
 - b) Supraspinatus
 - c) Deltoid
 - d) Subscapularis
18. Which of the following muscles is powerful flexor of elbow joint
- a) Coraco-brachialis
 - b) Supinator
 - c) Biceps Brachii
 - d) Anconeus
19. Position occupied by a particular gene on a chromosome
- a) Locus
 - b) Allels
 - c) Genotype
 - d) Phenotype
20. Inheritable change in the nature of gene is
- a) Locus
 - b) Genotype
 - c) Phenotype
 - d) Mutation
21. A structural gene is that part of DNA molecule which bear the code for
- a) One amino acid
 - b) A polypeptic chain
 - c) A protein molecule
 - d) All protein of a cell
22. Which of the following nerves supply lateral ractus muscle of eye ball
- a) Abducent nerve
 - b) Oculomotor nerve
 - c) Facial nerve
 - d) Ophthalmic nerve
23. The caudate nucleus take part in forming a boundary of each subdivision of the lateral ventricle except the
- a) Central part
 - b) Anterior horn
 - c) Posterior horn
 - d) Inferior horn
24. The Chromosomal constitution of primary spermatid is
- a) $44+x+x$
 - b) $44+x+y$
 - c) $44+y+y$
 - d) $22+x$
25. The maximum number of oogonia are present in ovary
- a) At birth
 - b) At 6th year of age
 - c) At puberty
 - d) At 18th year of age
26. Spermatozoa becomes capable of fertilizing an ovum
- a) In the rete testis
 - b) In the epididymimis
 - c) In the ductus deferens
 - d) After entering the female genital tract
27. During which of the following period of fetal life does the testis pass through the inguinal canal
- a) 5th month
 - b) 6th month
 - c) 7th month

- 12 ✓
20. The term genome denotes the total genetic information carried
- a) On one DNA fibre
 - b) On one chromosome
 - c) On one pair of chromosome
 - d) By an individual
21. The Glabella is
- a) A sutural bone
 - b) A sesamoid bone
 - c) An eminence on the frontal bone
 - d) An eminence on the parietal bone
22. Which of the following does not pass through the foramina magnum
- a) Membrana Tectoria
 - b) Vertebral Artery
 - c) Medulla Oblongata
 - d) Spinal Cord
23. Which of the Muscle of Tongue is not supplied by Hypoglossal nerve
- a) Styloglossus
 - b) Hyoglossus
 - c) Genioglossus
 - d) Palatoglossus
24. The main muscle forming the floor of the mouth is
- a) Hyoglossus
 - b) Genioglossus
 - c) Mylohyoid
 - d) Anterior belly of digastric
25. Which is the main Muscle of the following to produce side to side movement (at the atlantooccipital joint) of the head ?
- a) Sternocleido-Mastoid
 - b) Anterior belly of Digastric
 - c) Mylohyoid
 - d) Ractus capitis Lateralis
26. Which of the following arteries contribute to the blood supply of spinal cord
- a) Internal thoracic artery
 - b) Vertebral artery
 - c) Maxillary artery
 - d) Superior thoracic artery
27. Which of the following fibres pass through superior cerebellar peduncle
- a) Cerebello-thalamic fibres
 - b) Olivo-cerebellar fibres
 - c) Posterior-spino-cerebellar tract
 - d) None of above
28. Which of the following cranial nerves gives a branch known as maxillary nerve
- a) 5th cranial nerve
 - b) 6th cranial nerve
 - c) 9th cranial nerve
 - d) 8th cranial nerve
29. Anterior cerebral artery is a branch of
- a) External carotid artery
 - b) Internal carotid artery
 - c) Maxillary artery
 - d) Basilar artery
30. The lamdoid suture unites the
- a) Right and left parietal bone
 - b) Parietal and occipital bone
 - c) Parietal and temporal bone
 - d) Parietal and frontal bone