

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, UTTAR PRADESH
BACHELOR OF PHYSIOTHERAPY (B.P.T)
2nd SEMESTER EXAMINATION

Time: 3 Hours

Max Marks: 80 Marks

HUMAN ANATOMY II (INCLUDING APPLIED ANATOMY)

PAPER CODE: 2332110106

General instructions:

- All questions are compulsory.
- Explain with diagrams where required.
- The number on the right indicates full marks.
- Please write the correct paper code.
- Be to the point. No extra copy shall be provided.

LONG ESSAY QUESTIONS

2 X 20 = 40 Marks

Q.1 Describe the origin, insertion, nerve supply and action of gluteal muscles.

Q.2 Describe the anatomy of Hip Joint under following headings:

- a) Joint articular surfaces
- b) Movements
- c) Muscles that cause movement
- d) Relations
- e) Applied anatomy.

SHORT NOTE QUESTIONS

2 X 10 = 20 Marks

Q.3 Anatomical gross features of femur.

Q.4 Facial nerve-course, relations and branches.

SHORT ANSWER QUESTIONS

5 X 4 = 20 Marks

Q.5 Reflex arc.

Q.6 Cranial nerves in craniological order.

Q.7 Lower limb dermatomes

Q.8 CSF circulation

Q.9 Circle of Willis

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2nd YEAR REGULAR EXAMINATION

Time: 3 Hours

Max Marks: 80 Marks

HUMAN PHYSIOLOGY II (INCLUDING APPLIED PHYSIOLOGY)

PAPER CODE: 2332110107

General instructions:

- All questions are compulsory.
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- Be to the point. No extra copy shall be provided.

LONG ESSAY QUESTIONS

2 X 20 = 40 Marks

- Q.1** Describe the process of urine formation in Humans. Add a note on normal contents of urine.
- Q.2** Describe in detail how carbohydrates, proteins and fats get digested in our body. Add a note on end products of digestion.

SHORT NOTE QUESTIONS

2 X 10 = 20 Marks

- Q.3** Enumerate the functions of Liver.
- Q.4** Describe the hormones, their functions and mechanism of release of Anterior Pituitary gland.

SHORT ANSWER QUESTIONS

5 X 4 = 20 Marks

- Q.5** Phases of Menstrual cycle.
- Q.6** Functions of stomach.
- Q.7** Glomerular filtration rate.
- Q.8** UMN and LMN bladder.
- Q.9** Secondary sexual characters in males and females.
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BIOMECHANICS AND KINESIOLOGY I
PAPER CODE: 2332110108

General instructions:

- All questions are compulsory.
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- Please write the correct paper code.
- Be to the point. No extra copy shall be provided.

LONG ESSAY QUESTIONS

2 X 20 = 40 Marks

- Q.1 Classify various joints with examples. Draw neat labelled diagrams.
- Q.2 Define and classify Force. Describe the force with diagrammatic representation.

SHORT NOTE QUESTIONS

2 X 10 = 20 Marks

- Q.3 Describe the various order of levers with anatomical and mechanical examples.
- Q.4 Define gravity. Describe with neat labelled diagram about center of gravity and line of gravity.

SHORT ANSWER QUESTIONS

5 X 4 = 20 Marks

- Q.5 Springs in Physiotherapy.
- Q.6 Axes and planes
- Q.7 Elasticity and Hooke's law.
- Q.8 Friction and its use in Physiotherapy.
- Q.9 Angle of pull of Muscle.
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YOGA BASIC THEORY SCIENCES & TECHNIQUES
PAPER CODE: 2332110109

General instructions:

- All questions are compulsory.
- Explain with diagrams where required.
- The number on the right indicates full marks.
- Please write the correct paper code.
- Be to the point. No extra copy shall be provided.

LONG ESSAY QUESTIONS

2 X 20 = 40 Marks

Q.1 Define Yoga. Describe in detail about Panchakosha theory.

Q.2 Describe in detail the 12 step Surya namaskar with prayer and specific mantras.

SHORT NOTE QUESTIONS

2 X 10 = 20 Marks

Q.3 Enumerate the physiological effects of various Asanas.

Q.4 Describe the indications, contraindications, therapeutic uses of Tadasana, and Trikonasana.

SHORT ANSWER QUESTIONS

5 X 4 = 20 Marks

Q.5 Kapalabhati.

Q.6 Effects of meditation on chakras.

Q.7 Stress management by yoga.

Q.8 Philosophy of yoga

Q.9 Chakrasana-therapeutic uses.
