

Dr. Babasaheb Ambedkar Open University
Term End Examination February – 2026

Course	: BBAAT	Date	: 21-Feb-26
Subject Code	: BBAAT - 309	Time	: 11:30am to 01.45pm
Subject Name	: Aviation Physiology	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Give Definitions of Human Factor, Flight Physiology and Incapacitation with examples.
2. Explain Basic Physics of Heat.
3. Explain the gastrointestinal (GI) system.
4. Explain carbon dioxide in details.
5. Elaborate the Composition of the Atmosphere.

Section B

Answer the following (Attempt any four) (20)

1. Write a Note on: Caffeine.
2. Explain the spinal cord.
3. What to do when Altitude DCS occurs?
4. A Note on: The Electro-cardiogram
5. Discussed the Symptoms of Hypoxia
6. Types of Vision

Section C

Part – A (Multiple Choice Questions) (10)

- 1 The brain has how many main parts -----
A 1 B 2
C 3 D 4
- 2 Forebrain is also called as-----
A cerebrum B hindbrain
C Soft brain D medium brain
- 3 Forebrain is -----part of the brain.
A Medium B small
C largest D Heavy
- 4 The brain is -----part of our body.
A Middle B Upper
C Central D Bottom

- 5 Autonomic nervous system is also called as-----
 A sympathetic B automated
 C Operated D Forebrain
- 6 Mobility of the entire skeleton depends on -----
 A Legs B Joints
 C Body D Hands
- 7 -----the linkage between a bone and muscle.
 A Tendons B Joints
 C Bone D Muscle
- 8 The blood vessels are the link between the ----- and other parts body.
 A Heart, lung, brain B Heart, hand and legs
 C Lungs, heart, mouth D All of the above
- 9 Air enters the lungs through the -----
 A Mouth & nose B Hand & leg
 C Eyes & ears D Neck & tongue
- 10 The body framework is made of -----
 A bones (skeleton) B tendons
 C Muscles. D All of the above

Part – B (Do as Directed- One line answer)

(10)

- 1 Meaning of forebrain
- 2 Meaning of hindbrain
- 3 Meaning of midbrain
- 4 What is pathology?
- 5 What is autonomic nervous system?
- 6 What is the Metabolic System?
- 7 Meaning of diabetes
- 8 What is respiration?
- 9 What is thyroid?
- 10 Sinus block
