

ANKLE COMPLEX QUESTION BANK

S. No	Question Type	Question	Year	Blooms Taxonomy
1	Essay – 15 Marks	Describe the structure of ankle joint, tibiofibular joints, subtalar joint, transverse tarsal joint, tarsometatarsal, metatarsophalangeal and interphalangeal joints.	Jan 2022	Analyze
2	Essay – 15 Marks	Explain the arches of foot in detail – types, structure, functions and factors maintaining arches.	Jun 2022	Analyze
3	Essay – 15 Marks	Describe dorsiflexion-plantarflexion, inversion-eversion, supination-pronation and abduction-adduction movements of ankle-foot complex with muscle actions.	Nov 2023	Analyze
4	Essay – 15 Marks	Discuss extrinsic and intrinsic muscles of foot – attachments, actions and role in maintaining arches and propulsion.	Aug 2024	Apply
5	Essay – 15 Marks	Explain the structure and function of subtalar joint. Discuss its role in pronation and supination during gait.	Feb 2020	Analyze
6	Essay – 15 Marks	Describe the biomechanics of foot arches during weight bearing and deviations in pes planus and pes cavus.	Aug 2010	Analyze
7	Essay – 15 Marks	Discuss the role of tibialis posterior and peroneal muscles in controlling pronation and supination of foot.	Apr 2023	Analyze
8	Essay – 15 Marks	Explain windlass mechanism and its	Oct	Analyze

	Marks	significance in toe-off phase of gait.	2016	
9	Essay – 15 Marks	Describe the structure of talocalcaneonavicular joint and its contribution to foot mobility and stability.	Apr 2014	Analyze
10	Essay – 15 Marks	Discuss the effects of flat foot and high arch foot on lower limb biomechanics and gait.	Feb 2020	Analyze
11	Short Notes	Arches of foot	Aug 2009	Understand
12	Short Notes	Subtalar joint	Aug 2009	Understand
13	Short Notes	Pronation and supination of foot	Oct 2022	Remember
14	Short Notes	Windlass mechanism	Oct 2022	Analyze
15	Short Notes	Tibialis posterior muscle	Apr 2023	Understand
16	Short Notes	Intrinsic muscles of foot	Nov 2023	Understand
17	Short Notes	Transverse tarsal joint	Nov 2023	Remember
18	Short Notes	Medial longitudinal arch	Aug 2024	Analyze
19	Short Notes	Pes planus	Feb 2025	Understand
20	Short Notes	Plantar fascia	Feb 2010	Understand

21	Short Answers	Main muscle for plantarflexion	Sep 2021	Remember
22	Short Answers	Axis for dorsiflexion-plantarflexion	Jan 2022	Remember
23	Short Answers	Chief inverter of foot	Jun 2022	Understand
24	Short Answers	Number of tarsal bones	Apr 2023	Remember
25	Short Answers	One cause of pes cavus	Nov 2023	Understand
26	Short Answers	Muscle causing eversion	Aug 2009	Remember
27	Short Answers	Keel bone of foot	Feb 2010	Remember
28	Short Answers	Clinical sign of flat foot	Jan 2022	Understand
29	Short Answers	Role of spring ligament	Aug 2024	Understand
30	Short Answers	Movement at subtalar joint during heel strike	Jan 2022	Apply