

Department of Anatomy, BMU

MS Phase-A Part-I Block-1 / Paper-I July

Topics for testing drawing and labeling competency

1. Morphological types of skeletal muscle
2. Endochondral ossification
3. Parts of a synovial joint
4. Parts of a growing long bone
5. Hinge joint, ball & socket joint, saddle joint
6. General organization of the lymph nodes of the body
7. Structure of cell membrane
8. Participation of the Golgi complex, rough endoplasmic reticulum and secretory vesicles in the secretion of export protein
9. Relevant parts of the evolutionary tree showing the evolution of man
10. Relevant parts of the taxonomy of animal kingdom showing the location of man in it
11. Capillaries, thoroughfare channel, venule and arteriole in relation to each other in a single figure
12. Phagocytosis, pinocytosis and exocytosis
13. Desmosome (macula adherens)
14. Swing, shunt and spin components of muscle action
15. Pilosebaceous unit of skin
16. Different parts of nail and its surroundings
17. Examples of the morphological types of bone
18. Fibrous, primary cartilaginous, secondary cartilaginous and synovial joints: structure
19. Examples of ossification centres in long, miniature long, short and irregular bones
20. Cell cycle with check points
21. Meiosis
22. Mitosis
23. Nondisjunction and anaphase lag
24. Structure of centriole and cilium / flagellum

25. Zones of epiphyseal cartilage
26. Haversian system
27. Artery supply of developing long bone
28. Schematic diagram of sarcomere
29. Protein secreting cell lipid-synthesizing cell, ion-transporting cell.
30. Chick embryo:
 - 20 hours
 - 24 hours
 - 30 hours
 - 36 hours
 - 48 hours
 - 72 hours
31. Transverse section at the level of pharynx- 72 hours
32. Comparative anatomy of placenta
33. Comparative anatomy of heart