

194/2014

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Prosthesis can be of :
(A) Exoskeletal type
(B) Endoskeletal type
(C) Both
(D) None
2. Madras Foot is a modified form of :
(A) Jaipur foot
(B) SACH foot
(C) Both
(D) None of the above
3. SACH foot is used :
(A) With shoe
(B) Without shoe
(C) Both
(D) None
4. Skeleton of SACH foot is :
(A) MCR cushion heel
(B) Keel
(C) Both
(D) None
5. 'Shore' of MCR refers to :
(A) Durability
(B) Extensibility
(C) Compressibility
(D) Fragility
6. The socket of Above Knee Prosthesis is commonly fabricated as :
(A) Cylindrical
(B) Cubical
(C) Quadrilateral
(D) None
7. Suspension used in Above Knee prosthesis is :
(A) Hip joint with pelvic band
(B) Silesian band
(C) Both of the above
(D) None of the above
8. Stubbies is indicated for :
(A) Bilateral Below Knee amputee
(B) Bilateral Above Knee amputee
(C) Unilateral Below Knee
(D) Unilateral Above Knee

9. Prosthetic foot used by Indian population is :
- (A) SACH foot (B) Seattle foot
(C) Jaipur foot (D) STEN foot
10. Gleno humeral joint is a :
- (A) Ball and socket joint (B) Hinge joint
(C) Pivot joint (D) Saddle joint
11. Claw hand deformity occurs in lesions of :
- (A) Median Nerve (B) Radial Nerve
(C) Ulnar Nerve (D) Tibial Nerve
12. Blood pressure is measured by :
- (A) Pulseoximeter (B) goniometer
(C) Sphygmomanometer (D) Manometer
13. Toe drag or steppage gait is due to weakness of :
- (A) Intrinsics foot (B) Quadriceps
(C) Plantar flexors (D) Dorsiflexors
14. Motor nerve to muscles of facial expression is :
- (A) Facial (B) Trigeminal
(C) Oculomotor (D) Abducent
15. In gait cycle stance phase constitutes :
- (A) 30% (B) 40%
(C) 50% (D) 60%
16. Milwaukee Brace refers to a :
- (A) CO (B) CTO
(C) CTL SO (D) LSO
17. The foot commonly used in symes amputation is :
- (A) Jaipur (B) SACH
(C) Modified SACH (D) None of the above

18. Thermosetting plastics :
- (A) Softens on reheating
 - (B) Hardens on heating
 - (C) Does not soften on cooling
 - (D) Does not harden on heating
19. Muenster prosthesis is indicated in :
- (A) Above elbow amputee
 - (B) Below elbow amputee
 - (C) Above knee amputee
 - (D) Below knee amputee
20. Subtalar joint refers to :
- (A) Talocalcaneal
 - (B) Talocuboid
 - (C) Talocuneiform
 - (D) Talonavicular
21. The following are parts of a Transtibial prosthesis except :
- (A) Socket
 - (B) Shank
 - (C) Supracondylar suspension
 - (D) Knee joint
22. Below Knee prosthesis with thigh corset is indicated in :
- (A) Ultra short BK
 - (B) Unhealthy stump
 - (C) All of the above
 - (D) None of the above
23. During gait cycle initial floor contact is by the :
- (A) Toes
 - (B) Heel
 - (C) Mid foot
 - (D) Fore foot
24. Supracondylar cuff suspension is used in :
- (A) Above knee prosthesis
 - (B) Below knee prosthesis
 - (C) Above elbow prosthesis
 - (D) Below elbow prosthesis
25. The increase in muscle tone in upper motor neuron lesions is referred to as :
- (A) Flaccidity
 - (B) Rigidity
 - (C) Spasticity
 - (D) None of the above
26. Least mobile portion of the spinal column is :
- (A) Cervical
 - (B) Lumbar
 - (C) Thoracic
 - (D) Sacral

27. Medial winging of scapula is produced by paralysis of :

- | | |
|----------------------|-----------------------|
| (A) Trapezius | (B) Rhomboids |
| (C) Latissimus dorsi | (D) Serratus anterior |

28. Intervertebral disc consists of all of the following except :

- | | |
|----------------------|-------------------------|
| (A) Nucleus pulposus | (B) Semilunar cartilage |
| (C) Annulus fibrosus | (D) End plate |

29. Floor reaction orthosis :

- | | |
|---------------------------------------|------------------------|
| (A) Used in quadriceps insufficiency | (B) Is made in equinus |
| (C) Gait starts with fore foot strike | (D) All of the above |

30. Motion at the ankle is :

- | | |
|-----------------------------|--------------------------------------|
| (A) Inversion and eversion | (B) Dorsiflexion and plantar flexion |
| (C) Abduction and adduction | (D) All of these |

31. Metatarsal break refers to :

- | | |
|------------------------------------|----------------------------------|
| (A) Axis overlying four MTP joints | (B) Break in the metatarsal bone |
| (C) Base of phalanges | (D) Base of Meta Tarsal bones |

32. Brachialis is a primary _____ of elbow joint.

- | | |
|--------------|--------------|
| (A) Abductor | (B) Adductor |
| (C) Flexor | (D) Extensor |

33. Intrinsic muscles have :

- | | |
|----------------------------------|---------------------------------|
| (A) Origin and insertion in hand | (B) Have intrinsic nerve supply |
| (C) Have same insertion | (D) Have same nerve supply |

34. Movements occurring at subtalar joint is :

- | | |
|--------------------------------------|----------------------------|
| (A) Dorsiflexion and Plantar Flexion | (B) Inversion and eversion |
| (C) Abduction and Adduction | (D) Rotations |

35. Functional disabilities of amputees is described by :

- (A) F classification
- (B) K classification
- (C) D classification
- (D) A classification

36. Gait cycle consists of activity from :

- (A) Heel strike of one foot to heel strike of the same foot
- (B) Heel strike of one foot to heel strike of the other foot
- (C) Heel strike of one foot to toe off of same foot
- (D) Heel strike of one foot to toe off of other foot

37. Voluntary muscle activity is brought by :

- (A) Skeletal muscles
- (B) Smooth muscles
- (C) All of the above
- (D) None of the above

38. The nerve in close association with head of fibula is :

- (A) Tibial
- (B) Sciatic
- (C) Common peroneal
- (D) Ulnar

39. There are _____ spinal nerves.

- (A) 30
- (B) 31
- (C) 32
- (D) 33

40. Rickets is due to deficiency of :

- (A) Vitamin A
- (B) Vitamin B
- (C) Vitamin C
- (D) Vitamin D

41. Humans have _____ gait.

- (A) Bipedal
- (B) Quadriped
- (C) Tripod
- (D) None of these

42. Hip disarticulation prosthesis is indicated in :

- (A) True hip disarticulation
- (B) Knee disarticulation
- (C) Above knee amputation
- (D) Forequarter amputation

43. Cadence refers to :
- (A) Terminal swing
 - (B) Width of base of support
 - (C) Degree of toe out
 - (D) No. of steps per minute
44. Dennis Browne splint is used in :
- (A) CDH
 - (B) Pes planus
 - (C) CTEV
 - (D) Congenital limb deficiency
45. Fixed Ankle Joint is indicated in :
- (A) Weight relieving orthosis
 - (B) In mobile ankle
 - (C) Conventional orthosis
 - (D) Flail lower limb
46. The no. of tarsal bones in human foot is :
- (A) 5
 - (B) 6
 - (C) 7
 - (D) 8
47. Reverse Thomas Heel is indicated in :
- (A) Pes planus
 - (B) CTEV
 - (C) Equinovarus
 - (D) Valgus
48. SACH foot is :
- (A) Soft ankle cushion heel
 - (B) Solid ankle cuffed heel
 - (C) Solid ankle cellular heel
 - (D) Solid ankle cushion heel
49. Symes amputation is :
- (A) End bearing stump
 - (B) Proximal weight bearing stump
 - (C) Weight relieving stump
 - (D) None of the above
50. All are Dynamic response foot except :
- (A) Seattle foot
 - (B) SACH
 - (C) Carbon copy
 - (D) Flex foot
51. Polyarthrititis in rheumatoid arthritis first affects :
- (A) Spine
 - (B) Large joints
 - (C) Small peripheral joints
 - (D) All of these

52. Muscle weakness in poliomyelitis is :
(A) symmetrical (B) asymmetrical
(C) all of these (D) none of these
53. MCR insole is indicated in :
(A) Neuropathic foot (B) Painful foot
(C) Both (D) None
54. Chopart amputation is :
(A) Tarsometatarsal (B) Transmetatarsal
(C) Midtarsal (D) Talocrural
55. The following are parts of axillary crutches except :
(A) Axillary pad (B) Uprights
(C) Hand grip (D) Forearm band
56. External knee joint is used in :
(A) Above knee prosthesis (B) Through knee prosthesis
(C) PTB prosthesis (D) Symes Prosthesis
57. The minimum percentage of disability to get the benefits of disabled is :
(A) 50% (B) 45%
(C) 40% (D) 60%
58. Terminal device is part of :
(A) lower limb orthosis (B) upper limb orthosis
(C) lower limb prosthesis (D) upper limb prosthesis
59. Pressure tolerant areas in PTB socket are :
(A) Patellar tendon (B) Pretibial muscles
(C) Popliteal fossa (D) All of the above

60. Polycentric knee provides all except :

- (A) Stability
- (B) Swing control
- (C) Light weight
- (D) Low cost

61. Phantom sensation is :

- (A) non painful sensation
- (B) decreases with time
- (C) all of the above
- (D) none of the above

62. Gait deviation in trans femoral amputee includes :

- (A) Lateral trunk bending
- (B) Abducted gait
- (C) Circumduction
- (D) All of the above

63. Lofstrand crutches have all except :

- (A) Forearm cuff
- (B) Moulded hand piece
- (C) Single aluminium shaft
- (D) Axillary piece

64. Low temperature thermoplastics :

- (A) moulded at temperature just above body temperature
- (B) does not need cast
- (C) main use in upper limb orthotics
- (D) all of the above

65. Swedish knee cage :

- (A) prevents genu recurvatum
- (B) prevents knee flexion
- (C) controls axial rotation
- (D) extends up to ankle

66. Camber refers to :

- (A) wheel angle against vertical axis
- (B) pneumatic tires
- (C) front wheels
- (D) antitippers

67. Metals commonly used in orthosis are all except :

- (A) steel
- (B) aluminium
- (C) titanium alloys
- (D) iron

68. SOMI is :

- (A) sterno occipital mandibular immobilizer
- (B) poster type CTO
- (C) cannot be applied in supine position
- (D) used in unstable fracture

69. Taylor brace is :

- (A) CTLSO
- (B) TLSO
- (C) LSO
- (D) SO

70. Milwaukee brace is indicated in :

- (A) Scoliosis
- (B) Kyphosis
- (C) Osteoporosis
- (D) Compression fracture

71. Ischial containment applies to :

- (A) Transtibial prosthesis
- (B) Transradial prosthesis
- (C) Transhumeral prosthesis
- (D) Transfemoral prosthesis

72. A stretch or tear of muscle fibres is :

- (A) Strain
- (B) Sprain
- (C) Stress
- (D) String

73. Tennis elbow refers to :

- (A) Medial epicondylitis
- (B) Lateral epicondylitis
- (C) Tendonitis
- (D) Synovitis

74. Shock absorbers of the knee is :

- (A) Collateral ligaments
- (B) Menisci
- (C) Cruciate ligaments
- (D) Synovium

75. Aeroplane splint is used in injury to :

- (A) Radial nerve
- (B) Brachial plexus
- (C) Median nerve
- (D) Axillary nerve

76. Alignment refers to :
- (A) Relationship of different parts of prostheses to each other
 - (B) Relationship of socket to stump
 - (C) Relationship of socket and stump to body
 - (D) Relationship of gravity and loading
77. Motorised wheel chairs are indicated in ———— quadriplegics.
- (A) C4
 - (B) C5
 - (C) C6
 - (D) C7
78. KAFO is indicated in :
- (A) Gluteus medius weakness
 - (B) Hamstring weakness
 - (C) Quadriceps weakness
 - (D) Iliopsoas weakness
79. Bells palsy refers to :
- (A) Lesion of 12th cranial nerve
 - (B) Lesion of 5th cranial nerve
 - (C) Lesion of 7th cranial nerve
 - (D) Lesion of 10th cranial nerve
80. Clinical components in club foot is :
- (A) cavus, adductus, calcaneus varus
 - (B) pesplanus, adductus, equinus, valgus
 - (C) cavus, adductus, varus, equinus
 - (D) pesplanus adductus, equinus, varus
81. Who is the 159th member of WTO?
- (A) Kazakhstan
 - (B) Laos
 - (C) Tajikistan
 - (D) Uzbekistan
82. Among the union territories the female literacy is highest according to Census 2011 :
- (A) Puducherry
 - (B) Chandigarh
 - (C) Daman Diu
 - (D) Lakshadweep
83. The present Governor of Reserve bank of India is :
- (A) D. SubbaRao
 - (B) Reghuram Rajan
 - (C) Y.V. Reddy
 - (D) Rangarajan

84. Who is the founder of Sadhujana Paripalana Yogam?
- (A) Ayyankali (B) Vagbhatananda
(C) Chattambiswamikal (D) Vaikundaswamikal
85. Which is the birth place of Chattambiswamikal?
- (A) Karappuzha (B) Chembazhanthu
(C) Aruvippuram (D) Kannammoola
86. The biggest district in Kerala is :
- (A) Idukki (B) Thissur
(C) Palakkad (D) Kollam
87. First Education Minister of Kerala :
- (A) T.M. Jacob (B) E.T. Mohammed Basheer
(C) C.H. Mohammed Koya (D) Joseph Mundassery
88. Longest river in Kerala :
- (A) Periyar (B) Bharathappuzha
(C) Pamba (D) Kabani
89. Supreme commander of Armed Forces in India :
- (A) Prime Minister (B) President
(C) Loksabha Speaker (D) Vice president
90. In which State is the Golden Temple situated?
- (A) Punjab (B) Odisha
(C) Rajasthan (D) Gujarat
91. The highest mountain peak in India :
- (A) Everest (B) Nandadevi
(C) Anamudi (D) K2
92. Who is the Chairman of planning commission of India?
- (A) Attorney General (B) Prime Minister
(C) Advocate General (D) Finance Minister

93. What is the importance of the date 13th April 1919?
- (A) Salt Sathyagraha (B) Jallian Wallabag massacre
(C) Non-co-operation movement (D) Simon Commission
94. Who declared the Partition of Bengal?
- (A) Lord Rippon (B) Lord Canning
(C) Lord Mount Batten (D) Lord Curson
95. The First President of Indian National Congress is :
- (A) W.C. Banerjee (B) A.O Hume
(C) Mahathma Gandhi (D) Jawaharlal Nehru
96. An important type of soil in India :
- (A) Alluvial soil (B) Laterite soil
(C) Red soil (D) Black soil
97. Under whose reign slave trade in Travancore was abolished :
- (A) Swarthy Thirunal (B) Sree Chithira Thirunal
(C) Rani Gouri Lakshmi Bhai (D) Marthanda Varma
98. Which of the following was not associated with Gandhiji?
- (A) Bardoli Sathyagraha (B) Champaran movement
(C) Bhoodan movement (D) Kheda Sathyagraha
99. The Samadhi place of Indira Gandhi :
- (A) Shakthisthal (B) Santhivanam
(C) Rajghat (D) Vijayghat
100. Loksabha passed the national Food Security Bill, 2013 on :
- (A) August 22 (B) August 24
(C) August 26 (D) August 27