

PROVISIONAL ANSWER KEY

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Question1:-Trendelenburg test is positive due to injury to which of the following nerve

- A:-Obturator Nerve
 - B:-Sciatic Nerve
 - C:-Superior gluteal Nerve
 - D:-Inferior gluteal Nerve
- Correct Answer:- Option-C

Question2:-The components of Hamstring muscle are all except

- A:-Semitendinosus
 - B:-Semimembranosus
 - C:-Biceps femoris
 - D:-Rectus femoris
- Correct Answer:- Option-D

Question3:-Nerve that is involved in Honeymoon Palsy

- A:-Median Nerve
 - B:-Ulnar Nerve
 - C:-Radial Nerve
 - D:-Axillary Nerve
- Correct Answer:- Option-C

Question4:-Greater tubercle is not the attachment site for

- A:-Teres Major
 - B:-Supraspinatus
 - C:-Infraspinatus
 - D:-Teres Minor
- Correct Answer:- Option-A

Question5:-Which of the following is not a content of carpal tunnel

- A:-Flexor pollicis longus
 - B:-Flexor pollicis brevis
 - C:-Flexor digitorum superficialis
 - D:-Flexor digitorum profundus
- Correct Answer:- Option-B

Question6:-House maid's Knee is also called

- A:-Prepatellar bursitis
 - B:-Infrapatellar bursitis
 - C:-Suprapatellar bursitis
 - D:-Parapatellar bursitis
- Correct Answer:- Option-A

Question7:-Which of the following is not a lateral rotator of thigh

- A:-Obturator internus
 - B:-Superior gemellus
 - C:-Inferior gemellus
 - D:-Tensor fascia latae
- Correct Answer:- Option-D

Question8:-The amount of blood ejected by each ventricle per stroke at rest

- A:-20 to 40 ml
- B:-30 to 50 ml
- C:-50 to 70 ml
- D:-70 to 90 ml

Correct Answer:- Option-C

Question9:-The cross bridges of the sarcomere in skeletal muscle is made up of

- A:-Actin
- B:-Myosin
- C:-Tropomyosin
- D:-Troponin

Correct Answer:- Option-B

Question10:-The action potential of a skeletal muscle

- A:-has a prolonged plateau phase
- B:-spreads inwards in all parts of the muscle via the T tubules
- C:-Causes the immediate uptake of calcium ions into the lateral sacs of endoplasmic reticulum
- D:-is longer than action potential of cardiac muscle

Correct Answer:- Option-B

Question11:-Which of the following has the slowest conduction velocity?

- A:-A alpha fibres
- B:-A beta fibres
- C:-C fibres
- D:-B fibres

Correct Answer:- Option-C

Question12:-In complete heart block

- A:-Fainting may occur because the atria are not able to pump blood into the ventricles
- B:-Fainting may occur because of prolonged periods during which ventricles fail to contract
- C:-Ventricular fibrillation is common
- D:-The atrial rate is lower than ventricular rate

Correct Answer:- Option-B

Question13:-Which of the following is not involved in regulating plasma calcium levels

- A:-Kidneys
- B:-Skin
- C:-Lungs
- D:-Liver

Correct Answer:- Option-C

Question14:-Any loss or abnormality of a body structure or physiologic function is called

- A:-Impairment
- B:-Disability
- C:-Handicap
- D:-None of the above

Correct Answer:- Option-A

Question15:-Which of the following is not IADL (Instrumental activities of daily living)

- A:-Meal preparation
- B:-Financial management
- C:-Functional mobility
- D:-Community mobility

Correct Answer:- Option-C

Question16:-The distance travelled by a person during one gait cycle is called

- A:-Stride length

- B:-Step length
- C:-Cadence
- D:-None of these

Correct Answer:- Option-A

Question17:-Determinants of gait that occurs at the pelvic level doesn't include

- A:-Pelvic rotation in the horizontal plane
- B:-Pelvic tilt in the frontal plane
- C:-Lateral displacement of pelvis
- D:-Medial displacement of pelvis

Correct Answer:- Option-D

Question18:-The following are contraindications for deep heat therapy except

- A:-Peripheral vascular disease
- B:-Muscle guarding
- C:-Infection
- D:-Malignancy

Correct Answer:- Option-B

Question19:-Father of physical medicine

- A:-Frank H Krusen
- B:-Howard A Rusk
- C:-William Osler
- D:-John Stanley Coulter

Correct Answer:- Option-A

Question20:-Amputation through the Talonavicular joint is called

- A:-Lisfranc's Amputation
- B:-Choupart's Amputation
- C:-Symes Amputation
- D:-None of the above

Correct Answer:- Option-B

Question21:-A patient with Hansen's disease presented with total claw hand. What deformity will you notice in the hand

- A:-MCP joint in extension and IP joint in flexion
- B:-MCP joint in flexion and IP joints in extension
- C:-Wrist in extension and MCP in flexion
- D:-Wrist in flexion and MCP in extension

Correct Answer:- Option-A

Question22:-In congenital Talipes Equino Varus the following deformities are seen except

- A:-Equinus deformity
- B:-Inversion deformity
- C:-Forefoot adduction
- D:-Forefoot abduction

Correct Answer:- Option-D

Question23:-Osteochondritis of the epiphysis of femoral head is called

- A:-Panner's disease
- B:-Perthe's disease
- C:-Sever's disease
- D:-Kohler's disease

Correct Answer:- Option-B

Question24:-Clinical features of poliomyelitis include

- A:-Assymetrical paralysis
- B:-Flaccid paralysis
- C:-Symmetrical paralysis

D:-No sensory loss

Correct Answer:- Option-C

Question25:-Dennis Brown splint is used in

A:-CDH

B:-CTEV

C:-Perthe's disease

D:-Synovitis Hip

Correct Answer:- Option-B

Question26:-A locomotor disabled person having 50% disability has applied for a post in a government establishment. What is the percentage of post reserved for this person?

A:-1%

B:-2%

C:-3%

D:-4%

Correct Answer:- Option-A

Question27:-"Person with benchmark disability" means a person with not less than _____ percentage of disability.

A:-30%

B:-35%

C:-40%

D:-45%

Correct Answer:- Option-C

Question28:-The validity of registration in central Rehabilitation Register of professional/personal possessing recognized rehabilitation qualification is

A:-3 years

B:-4 years

C:-5 years

D:-6 years

Correct Answer:- Option-C

Question29:-The following categories of Rehabilitation Professionals/ Personnel possessing recognized rehabilitation qualification are registered in the Central rehabilitation Register maintained by Rehabilitation council of India except

A:-Clinical Psychologists

B:-Optometrists

C:-Special Teacher for Education and Training the handicapped

D:-Hearing Aid and Ear Mould technicians

Correct Answer:- Option-B

Question30:-WHO standards on Prosthetics and Orthotics cover the following areas of health system except

A:-Plan

B:-Policy

C:-Products

D:-Personnel

Correct Answer:- Option-A

Question31:-Prosthetics and Orthotic clinicians should set appropriate goals for treatment which include all except

A:-Measurable

B:-Achievable

C:-Time Bound

D:-Adaptable

Correct Answer:- Option-D

Question32:-According to ISO standard terminology for Prosthetics and Orthotics ISO 13404 specifies

A:-Terms relating to external orthosis

B:-Terminology to describe normal gait and prosthetic gait

C:-Methods for categorizing and describing external orthosis and orthotic components

D:-Method for describing deficiencies present at birth

Correct Answer:- Option-C

Question33:-Levels of prosthetic and Orthotic services in health sector according to WHO standards on prosthetics and orthotics include all except

- A:-Primary
- B:-Secondary
- C:-Tertiary
- D:-Quaternary

Correct Answer:- Option-D

Question34:-National Trust Act, 1999 is for welfare of persons with

- A:-Multiple Disabilities
- B:-Muscular Dystrophy
- C:-Acid attack victims
- D:-Speech and language disability

Correct Answer:- Option-A

Question35:-The National Policy for persons with disabilities 2006 are all except

- A:-Prevention of disabilities
- B:-Social security
- C:-Land
- D:-Research

Correct Answer:- Option-C

Question36:-Total interatomic forces or internal resistances exerted by the material to counteract the applied load is called as _____

- A:-Modulus of Elasticity
- B:-Stress
- C:-Strength
- D:-Strain

Correct Answer:- Option-B

Question37:-_____ test is based on the indentation of a hard tip or indenter into the test piece under the action of two consecutively applied minor and major load

- A:-Rockwell Hardness Test
- B:-Vickers Hardness Test
- C:-Brinell Hardness Test
- D:-Shore Hardness Test

Correct Answer:- Option-A

Question38:-The process of reduction of iron ore to pig iron is known as _____

- A:-Puddling
- B:-Deoxidation
- C:-Tanning
- D:-Smelting

Correct Answer:- Option-D

Question39:-Copper is extracted from copper _____

- A:-Pyrites
- B:-Bauxites
- C:-Galena
- D:-Calamine

Correct Answer:- Option-A

Question40:-Liquid baths are often used for _____ the steel

- A:-Cooling
- B:-Extracting
- C:-Heating
- D:-Oxidising

Correct Answer:- Option-C

Question41:-Method of production of part by heating inclosed furnace is known as _____

A:-Smithing

B:-Forging

C:-Peening

D:-Squeezing

Correct Answer:- Option-B

Question42:-The process of increasing the length of a bar at the expense of its width or thickness or both is known as _____

A:-Upsetting

B:-Bending

C:-Setting down

D:-Drawing down

Correct Answer:- Option-D

Question43:-Given below are all equipments required for welding except _____

A:-Roll Die

B:-Tip

C:-Torch

D:-Pressure regulator

Correct Answer:- Option-A

Question44:-Firmer, Bevelled edge, Paring and Mortise are types of _____

A:-Dividers

B:-Calipers

C:-Chisels

D:-Compass

Correct Answer:- Option-C

Question45:-The process of forming metallic products by melting the metal, pouring it into cavity and allowing it to solidify is known as _____

A:-Moulding

B:-Pattern making

C:-Conversion

D:-Foundry

Correct Answer:- Option-D

Question46:- _____ are added to promote faster and more complete polymerization

A:-Fillers

B:-Catalyst

C:-Initiator

D:-Modifiers

Correct Answer:- Option-B

Question47:-The size of the vice is known by the _____

A:-Width of its jaw

B:-Maximum opening provided

C:-Weight of vice

D:-Length of vice

Correct Answer:- Option-A

Question48:-When an accurate previously drilled hole in metal with a smooth finish is required _____ is used

A:-Drill

B:-Tap

C:-Reamer

D:-Twist drill

Correct Answer:- Option-C

Question49:-Operation of removing metal by feeding the work against a rotating cutter having multiple cutting edge is known as _____

A:-Grinding

B:-Boring

C:-Forming

D:-Milling

Correct Answer:- Option-D

Question50:- _____ grinders are used to finish straight, tapered or formed holes to the correct size, shape and finish

A:-Internal grinders

B:-Face grinders

C:-Vertical spindle rotary-table grinders

D:-Disc grinders

Correct Answer:- Option-A

Question51:-The area that lies between the heel and the ball of the shoe is known as _____

A:-Welt

B:-Shank

C:-Quarter

D:-Tongue

Correct Answer:- Option-B

Question52:-Shoes are constructed over a model of the foot stylized from wood, plaster or plastic that is called as _____

A:-Upper

B:-Reinforcements

C:-Sole

D:-Lasts

Correct Answer:- Option-D

Question53:- ____ shoe modification is used to alter lines of stress to facilitate a more normal gait pattern

A:-Steel spring

B:-Wedges

C:-Metatarsal bar

D:-Thomas heel

Correct Answer:- Option-B

Question54:-Repetitive irritation of the plantar digital nerve between first and second metatarsal head causing neuroma is known as _____

A:-Morton's syndrome

B:-Metatarsalgia

C:-Hallux rigidus

D:-Hallux valgus

Correct Answer:- Option-A

Question55:- _____ is the only contraindication for custom molded thermoplastic designs

A:-Vision impairment

B:-Hearing loss

C:-Sensation impairment

D:-Fluctuating limb size

Correct Answer:- Option-D

Question56:-In offset knee joint mechanical axis of rotation is aligned _____ to the anatomical knee axis

A:-Anterior

B:-Medial

C:-Posterior

D:-Lateral

Correct Answer:- Option-C

Question57:- _____ mechanism is often used for patients with paraplegia

A:-Drop lock

B:-Bail lock

C:-Ring lock

D:-Can lock

Correct Answer:- Option-B

Question58:-_____ orthoses provides hip joint motion during swing phase by means of incorporating cable coupling mechanism.

- A:-Reciprocating Gait Orthoses
- B:-Hip Guidance Orthoses
- C:-Swivel walker
- D:-Parapodium

Correct Answer:- Option-A

Question59:-Anterior leg strap of Pavlik Harness allows _____

- A:-Hip adduction
- B:-Hip extension
- C:-Hip abduction
- D:-Hip flexion

Correct Answer:- Option-D

Question60:-_____ rocker sole has a mild heel rocker angle and a significant to be rocker angle

- A:-Double rocker sole
- B:-Mild rocker sole
- C:-Negative heel rocker sole
- D:-Severe angle rocker sole

Correct Answer:- Option-C

Question61:-Metatarsal length, sulcus length, Morton's extension and full length are all classification of _____ depending on the distal trimline

- A:-A.F.O's
- B:-B.S.M.O's
- C:-Orthopedic footwear
- D:-Foot Orthoses

Correct Answer:- Option-D

Question62:-_____ is a shoulder-elbow orthosis that supports the weight of the arm and provides assistance to the shoulder and elbow motion through a linkage of bearing joints

- A:-Tenodesis splint
- B:-Mobile Arm support
- C:-Gunslinger
- D:-Airplane splint

Correct Answer:- Option-B

Question63:-Generally, Status splints function as _____ lever systems

- A:-First order
- B:-Third order
- C:-Second order
- D:-No lever mechanism

Correct Answer:- Option-A

Question64:-In opposition, the thumb moves from its position _____ to the index finger to a position in front of all the fingers

- A:-Anterior
- B:-Posterior
- C:-Lateral
- D:-Medial

Correct Answer:- Option-C

Question65:-_____ is an attachment to provide positioning of the fingers at the metacarpophalangeal joint

- A:-MCP extension assist
- B:-Lumbrical bar
- C:-MCP extension stop
- D:-Adjustable MCP control

Correct Answer:- Option-B

Question66:-Persons having flail hand and wrist but good scapular abduction may obtain useful function through _____

- A:-Finger driven flexor hinge splint
- B:-Flexor hinge splint with extension assist
- C:-Wrist flexion driven flexor hinge splint
- D:-Shoulder driven flexor hinge splint

Correct Answer:- Option-D

Question67:-First dorsal interosseous assist helps to keep _____ finger in its normal position

- A:-Index finger
- B:-Middle finger
- C:-Ring finger
- D:-Little finger

Correct Answer:- Option-A

Question68:-_____ device can be used to support and position the upper extremity

- A:-Lapboard
- B:-Forearm trough
- C:-Sling
- D:-Abduction pillow

Correct Answer:- Option-B

Question69:-Main reason for providing splint for upper extremity in case of Rheumatoid Arthritis is _____

- A:-Increasing joint ROM
- B:-Increase muscle strength
- C:-Decrease inflammation
- D:-Decrease weakness

Correct Answer:- Option-C

Question70:-According to Sarmiento, the effectiveness of functional bracing relies on the _____

- A:-Compressibility of soft tissues
- B:-Type of fracture
- C:-Site of fracture
- D:-ROM at proximal joint

Correct Answer:- Option-A

Question71:-IN Milwaukee brace, the L-pad applies pressure in _____ direction on the apex of the curve

- A:-Inferior, Lateral and anterior
- B:-Inferior, Medial and anterior
- C:-Superior, lateral and anterior
- D:-Superior, medial and anterior

Correct Answer:- Option-D

Question72:-_____ orthosis provides tri-planar motion control in the cervical spine

- A:-S.O.M.I
- B:-Four Poster
- C:-Rigid Cervical
- D:-Halo-Cervicothoracic

Correct Answer:- Option-D

Question73:-CTLSO used in the treatment of scoliosis for the age group 9-12 months is known as _____

- A:-Milwaukee brace
- B:-Wilmington orthosis
- C:-Kalibus splint
- D:-Rosenberger orthosis

Correct Answer:- Option-C

Question74:-Failure of formation or failure of segmentation are the causes of _____

- A:-Adolescent Idiopathic Scoliosis
- B:-Congenital Scoliosis

C:-Neuromuscular Scoliosis

D:-Paralytic Scoliosis

Correct Answer:- Option-B

Question75:- _____ brace is designed to reverse or unbend the scoliosis curvature

A:-Charleston

B:-Boston

C:-Providence

D:-Milwaukee

Correct Answer:- Option-A

Question76:-In Voluntary opening hooks degree of loading can be altered by adjusting the number of _____

A:-Control Cable

B:-Rubber bands

C:-Elastic bands

D:-Wires

Correct Answer:- Option-C

Question77:-Wrist flexion unit is highly desirable for _____ amputee

A:-Shoulder disarticulation

B:-Elbow disarticulation

C:-Wrist disarticulation

D:-Bilateral

Correct Answer:- Option-D

Question78:- _____ permits the stump to drive the prosthetic forearm twice the range of flexion of the stump

A:-Rigid elbow hinges

B:-Step - up hinges

C:-Flexible elbow hinges

D:-Polycentric elbow hinges

Correct Answer:- Option-B

Question79:-Palmar prehension is provided in _____

A:-Miracle mechanical hand

B:-Becker lock grip hand

C:-Robin aids functional hand

D:-APRL Sierra hand

Correct Answer:- Option-C

Question80:- _____ is the major determinant of comfort and biomechanical effectiveness of the upper extremity prosthetic socket.

A:-Stump socket interface

B:-Casting method

C:-Alignment of prosthesis

D:-Weight of prosthesis

Correct Answer:- Option-A

Question81:- _____ type of socket provides more extensive control with the stump

A:-Split socket

B:-Conventional socket

C:-Single wall socket

D:-Double wall socket

Correct Answer:- Option-D

Question82:-Power transmission between the harness and the components of the prosthesis is obtained by means of _____

A:-Harness

B:-Bowden cable and housing

C:-Axillary loop

D:-Triceps pad

Correct Answer:- Option-B

Question83:- _____ harness is suitable for heavy duty activities and offers greater ability to lift axial loads in below elbow amputee.

- A:-Chest strap harness
- B:-Figure eight harness
- C:-Double axilla loop harness
- D:-Figure nine harness

Correct Answer:- Option-A

Question84:-Possibility of operating the terminal device without locking the elbow in case of above elbow prosthesis is facilitated by _____

- A:-Figure of eight harness
- B:-Chest strap harness
- C:-Triple control harness
- D:-None of the option

Correct Answer:- Option-C

Question85:- _____ connected to the chest strap utilises arm flexion and scapular abduction on the amputated side

- A:-Inverted Y strap
- B:-Axilla loop
- C:-Lateral support strap
- D:-Control attachment strap

Correct Answer:- Option-D

Question86:-Canadian type of Syme's prosthesis has _____ opening for easy donning and doffing

- A:-Anterior
- B:-Posterior
- C:-Medial
- D:-Lateral

Correct Answer:- Option-B

Question87:-Slip socket is ideal prescription for _____

- A:-Very short BK stump
- B:-Short BK stump
- C:-Ideal BK stump
- D:-Long BK stump

Correct Answer:- Option-A

Question88:-In case of Hip-disarticulation prosthesis, backward tilting of the socket on the pelvis during stance phase is a possible disadvantages of _____

- A:-Saucer type prosthesis
- B:-Tilting table prosthesis
- C:-Canadian type prosthesis
- D:-Modl prosthesis

Correct Answer:- Option-C

Question89:- _____ prosthetic knee unit has knee lock actuated by pressure on the heel

- A:-DuPaCo Hydraulic
- B:-Regnell Hydraulic
- C:-Mauch Hydraulic
- D:-Hydra - Cadence

Correct Answer:- Option-D

Question90:-To provide a relatively stable transition between stump and prosthesis is a primary function of prosthetic _____

- A:-Shank
- B:-Socket
- C:-Foot
- D:-Knee unit

Correct Answer:- Option-B

Question91:-Below given are pressure tolerant areas in below knee stump except _____

A:-Anterodistal aspect of tibia

B:-Medial tibial flare

C:-Patella tendon

D:-Popliteal area

Correct Answer:- Option-A

Question92:-Trendelenburg limb is a common gait deviation seen in _____

A:-Partial foot amputees

B:-Below knee amputees

C:-Above knee amputees

D:-Syme's amputees

Correct Answer:- Option-C

Question93:-_____ test is used to assess the tightness or contracture of hip flexors in transtibial and transfemoral amputee.

A:-Helfet test

B:-Thomas test

C:-Trendelenburg test

D:-Barlow test

Correct Answer:- Option-B

Question94:-Setting the prosthetic socket is _____ increases the comfort and function by distributing forces along the anterior surface

A:-Adduction

B:-Abduction

C:-Extension

D:-Flexion

Correct Answer:- Option-D

Question95:-The position of _____ in wheelchair is critical for optimal wheel rim access for manual propulsion

A:-Axel

B:-Hand rest

C:-Foot rest

D:-Seat

Correct Answer:- Option-A

Question96:-One of the major issue for many wheelchair users is _____

A:-Speed management

B:-Pressure management

C:-Height management

D:-Width management

Correct Answer:- Option-B

Question97:-_____ crutches provides a trough to permit forearm weight bearing

A:-Axillary

B:-Forearm

C:-Lofstrand

D:-Platform

Correct Answer:- Option-D

Question98:-_____ control mechanism of wheelchair is best used when upper extremity muscle control is good

A:-Pneumatic sip and puff

B:-Chin drive

C:-Joystick

D:-Head control

Correct Answer:- Option-C

Question99:-_____ walker has provision for seat and basket

A:-Gemstone

B:-Reciprocating

C:-Rolling

D:-Platform

Correct Answer:- Option-A

Question100:- ____ of assistive device enable the user to walk with the least effort and great comfort

A:-Correct height and weight

B:-Correct height and position of handle

C:-Correct weight and position of handle

D:-Correct height and shape of the handle

Correct Answer:- Option-B