

Exam Name : M Sc. (P and O) CET 2020 Set-A

Total Questions : 100

Q.1 Extensor compartment muscles of the arm are supplies by ...nerve

Marks: 1

Question ID:
669680

No	Options Details	Select Option
1	median	
2	ulnar	
3	radial	
4	musculo-cutaneous	

Q.2 Cerebrospinal fluid is produced by...

Marks: 1

Question ID:
669681

No	Options Details	Select Option
1	Arachnoid granulations	
2	Choroid plexus	
3	Cisterna pontis	
4	Third ventricle	

Q.3 Erb's paralysis leads to loss of the following movements of upper limb...

Marks: 1

Question ID:
669682

No	Options Details	Select Option
1	Supination of the forearm	
2	Pronation of the forearm	
3	Adduction of the arm	
4	Medial rotation of the arm	

Q.4 The spinal cord in the adult ends at the level of-

Marks: 1

Question ID:
669683

No	Options Details	Select Option
1	L5 vertebra	
2	L3 vertebra	
3	L1 vertebra	
4	T12 vertebra	

Q.5 Lysosomes in cell contain

Marks: 1

Question ID:
669684

No	Options Details	Select Option
1	Acid hydrolases	
2	Peroxidases	
3	Oxidases	
4	Toxins	

Q.6 Humoral Immunity is mediated by

Marks: 1

Question ID:
669685

No	Options Details	Select Option
1	T lymphocytes	
2	Natural killer cells	
3	B lymphocytes	
4	T Helper cells	

Q.7 Caseation necrosis is most characteristic of:

Marks: 1

Question ID:

669686

No	Options Details	Select Option
1	Acute myocardial infarction.	
2	Tuberculosis	
3	Cerebral infarct.	
4	Acute pancreatitis.	

Q.8 Anthracosis is due to inhalation of

Marks: 1

Question ID:

669687

No	Options Details	Select Option
1	Coal dust	
2	Asbestos dust	
3	Silica dust	
4	Beryllium dust	

Q.9 In _____ filing the handle of the file is not held.

Marks: 1

Question ID:
669688

No	Options Details	Select Option
1	Hand	
2	Draw	
3	Straight	
4	Cross	

Q.10 The ----- is used for testing the flatness of work itself and is also used for marking out work.

Marks: 1

Question ID:
669689

No	Options Details	Select Option
1	Try-Square	
2	Scriber	
3	Surface Plate	
4	V-Block	

Q.11 The ----- are those quantities which have both magnitude and direction.

Marks: 1

Question ID:

669690

No	Options Details	Select Option
1	Scalars	
2	Integrals	
3	Differentials	
4	Vectors	

Q.12 The forces, whose lines of action lie on the same plane are known as -----

Marks: 1

Question ID:

669691

No	Options Details	Select Option
1	Parallel forces	
2	Co- linear Forces	
3	Coplanar Forces	
4	Perpendicular Forces	

Q.13 The top view (plan) and front view (elevation) are always in line -----

Marks: 1

Question ID:

669692

No	Options Details	Select Option
1	Horizontally	
2	Vertically	
3	Parallely	
4	Diagonally	

Q.14 Vertical plane is also known as -----

Marks: 1

Question ID:

669693

No	Options Details	Select Option
1	Frontal plane	
2	Transverse plane	
3	Horizontal plane	
4	Sagittal plane	

Q.15 In first order lever system.

Marks: 1

Question ID:

669694

No	Options Details	Select Option
1	Fulcrum is placed in between load and effort	
2	Load is placed in between Fulcrum and effort	
3	Effort is placed in between Fulcrum and load	
4	Effort arm is absent	

Q.16 The axis of rotation of the subtalar joint is oblique, deviating approximately ----- degrees medially from the long axis of the foot in the transverse plane

Marks: 1

Question ID:

669695

No	Options Details	Select Option
1	30	
2	35	
3	23	
4	15	

Q.17 To advance the weight bearing limb over the supporting foot (i.e., stance limb progression) ----- rocker actions are used.

Marks: 1

Question ID:
669696

No	Options Details	Select Option
1	4	
2	2	
3	6	
4	3	

Q.18 ----- is most often described as a camping, squeezing or burning sensation in the part of the limb that has been amputated.

Marks: 1

Question ID:
669697

No	Options Details	Select Option
1	Phantom Limb Sensation	
2	Neuroma	
3	Phantom Limb Pain	
4	Edema	

Q.19

The ----- is designed to fit snugly against the suprapatellar tendon during swing phase, suspending the prosthesis over the proximal edge of the patella and to gradually relax when the knee is flexed beyond 60 degrees

Marks: 1**Question ID:**
669698

No	Options Details	Select Option
1	Silesian Belt	
2	Supracondylar Wedge	
3	Suprapatellar Cuff	
4	Suspension Sleeve	

Q.20

The ----- socket design does not concentrate weight on the patellar tendon.

Marks: 1**Question ID:**
669699

No	Options Details	Select Option
1	PTS	
2	PTB-SC	
3	TSB	
4	PTB	

Q.21 In a PTS prosthesis a removable medial condylar wedge facilitates_____

Marks: 1

Question ID:
669700

No	Options Details	Select Option
1	Distribution of load	
2	Suspension	
3	Donning and doffing	
4	Suspension as well as donning and doffing	

Q.22 Neurophysiologic Orthoses are used for _____

Marks: 1

Question ID:
669701

No	Options Details	Select Option
1	Positioning	
2	Providing support	
3	Reducing tone	
4	Improving posture	

Q.23 Lateral wedges used in the treatment of Osteoarthritis of the knee help to reduce _____

Marks: 1

Question ID:
669702

No	Options Details	Select Option
1	Knee Varum angulation	
2	Foot pronation	
3	Effect of ground reaction force	
4	Moment Arm of Ground Reaction Force	

Q.24 The _____ design of AFO offers greater control for a foot that tends to go into equinus and varus than does any other design.

Marks: 1

Question ID:
669703

No	Options Details	Select Option
1	Solid Ankle A.F.O	
2	Hemispiral	
3	Posterior leaf spring	
4	Spring loaded A.F.O.	

Q.25 Which of these is not an aim for providing Orthoses?

Marks: 1

Question ID:

669704

No	Options Details	Select Option
1	Relief of pain	
2	Immobilization	
3	Prevention and correction of deformities	
4	Improving Vascular function	

Q.26 Following are risk factors for Spina Bifida except-

Marks: 1

Question ID:

669705

No	Options Details	Select Option
1	Maternal Diabetes.	
2	Low Folate level.	
3	Anti-seizure medication.	
4	Vitamin D Deficiency.	

Q.27 All of the following are predisposing factors for Carpal Tunnel Syndrome except:

Marks: 1

Question ID:

669706

No	Options Details	Select Option
1	Diabetes.	
2	Pregnancy	
3	Thyroid disorders.	
4	Psoriasis.	

Q.28 Which X-linked muscular dystrophy is characterized by absent dystrophin?

Marks: 1

Question ID:

669707

No	Options Details	Select Option
1	Becker's muscular dystrophy (BMD).	
2	Duchenne muscular dystrophy (DMD).	
3	Limb-girdle muscular dystrophy (LGMD).	
4	Facioscapulohumeral dystrophy (FSHD).	

Q.29 What is the most important modifiable risk factor for stroke?

Marks: 1

Question ID:
669708

No	Options Details	Select Option
1	Hypertension.	
2	Gender.	
3	Race.	
4	Age.	

Q.30 Scheuermann's disease is a cause of.

Marks: 1

Question ID:
669709

No	Options Details	Select Option
1	Scoliosis	
2	Lordosis	
3	spondylosis	
4	kyphosis	

Q.31 All the following muscles are supplied by median nerve except.

Marks: 1

Question ID:
669710

No	Options Details	Select Option
1	Opponens pollicis	
2	Adductor pollicis	
3	Flexor pollicis brevis	
4	Abductor pollicis brevis	

Q.32 Most common type of spinal tuberculosis is.

Marks: 1

Question ID:
669711

No	Options Details	Select Option
1	paradiscal	
2	central	
3	anterior	
4	posterior	

Q.33 Codman's sign and sunray appearance is a feature of.

Marks: 1

Question ID:
669712

No	Options Details	Select Option
1	Osteochondroma	
2	Chondrosarcoma	
3	Osteblastoma	
4	Osteogenic sarcoma	

Q.34 The voltage out of an ideal voltage source is

Marks: 1

Question ID:
669713

No	Options Details	Select Option
1	Zero	
2	Constant	
3	Load resistance dependent	
4	Internal resistance dependent	

Q.35 What does LED stand for?

Marks: 1

Question ID:
669714

No	Options Details	Select Option
1	Light Emitting Display	
2	Low Energy Display	
3	Light Emitting Detector	
4	Light Emitting Diode	

Q.36 A CRO is a -----.

Marks: 1

Question ID:
669715

No	Options Details	Select Option
1	Cathode Ray Observer	
2	Cathode Ray Oscilloscope	
3	Cathode Ray Oscillator	
4	Capacitor Resistor Output	

Q.37 The unit of electrical resistance is.

Marks: 1

Question ID:
669716

No	Options Details	Select Option
1	Volt	
2	Ampere	
3	Ohm	
4	Coulomb	

Q.38 Which one of these is also known as volatile memory?

Marks: 1

Question ID:
669717

No	Options Details	Select Option
1	ROM	
2	RAM	
3	DVD	
4	Hard Disk	

Q.39 The brain of any computer system is_____?

Marks: 1

Question ID:
669718

No	Options Details	Select Option
1	ALU	
2	Memory	
3	CPU	
4	Control unit	

Q.40 The ----- aids knee extension by producing anterior displacement of the quadriceps tendon from femoral condyle.

Marks: 1

Question ID:
669719

No	Options Details	Select Option
1	Fibula	
2	Tibia	
3	Patella	
4	Cuboid	

Q.41 Medial condyle of knee is longer than lateral condyle by _____ mm which produces screw home mechanism.

Marks: 1

Question ID:
669720

No	Options Details	Select Option
1	17	
2	19	
3	21	
4	23	

Q.42 Squatting requires minimum ----- degrees of knee flexion.

Marks: 1

Question ID:
669721

No	Options Details	Select Option
1	125	
2	135	
3	145	
4	155	

Q.43 The knee bolt should be in degrees of external rotation to the line of progression

Marks: 1

Question ID:
669722

No	Options Details	Select Option
1	3	
2	5	
3	7	
4	9	

Q.44 When the polycentric knee joint is fully extended the Instantaneous Center of Rotation (I.C.R.) is situated far ----- the knee joint.

Marks: 1

Question ID:
669723

No	Options Details	Select Option
1	Above and Forward	
2	Above and Behind	
3	Below and Behind	
4	Below and Forward	

Q.45

In a Canadian Hip Disarticulation prosthesis the mechanical hip joint is located far ahead of the alignment reference line on a plane passing from the anatomical hip joint at an angle of ----- degrees downward and forward.

Marks: 1

Question ID:
669724

No	Options Details	Select Option
1	35	
2	32	
3	55	
4	45	

Q.46

----- type of socket for knee disarticulation prosthesis is subdivided into soft liner and hard outer socket.

Marks: 1

Question ID:
669725

No	Options Details	Select Option
1	Stove pipe	
2	OHC	
3	Botta	
4	Conventional	

Q.47 _____ type of orthotic knee joint cannot be used in the presence of a knee flexion contracture.

Marks: 1

Question ID:
669726

No	Options Details	Select Option
1	No knee joint	
2	Dial lock	
3	Offset knee joint	
4	Knee Joint with lock	

Q.48 This orthosis provides a form of low energy cost walking because the patient does not have to lift the body weight off the ground in swing phase walking.

Marks: 1

Question ID:
669727

No	Options Details	Select Option
1	Louisiana State University Reciprocating Gait Orthosis (L.S.U.R.G.O.)	
2	Hip Guidance Orthosis (H.G.O.)	
3	Isocentric Reciprocating Gait Orthosis (IRGG)	
4	Steeper Advanced Reciprocating Gait Orthosis (ARGO)	

Q.49 Reciprocating Gait Orthosis is used in the treatment of children with_____

Marks: 1

Question ID:
669728

No	Options Details	Select Option
1	Paraplegia	
2	Cerebral Palsy	
3	Polio	
4	Hemiplegia	

Q.50 ----- knee braces are designed to provide control and protection to the knee after surgery

Marks: 1

Question ID:
669729

No	Options Details	Select Option
1	Functional	
2	Prophylactic	
3	Cosmetic	
4	Rehabilitative	

Q.51 ----- is a detailed list of movable goods such as raw materials, materials in process, finished products, general supplies and equipments etc. and gives the quality and value of each one of them.

Marks: 1

Question ID:
669730

No	Options Details	Select Option
1	Inventory	
2	Stock Book	
3	Dead stock register	
4	Valuation report	

Q.52 ----- is a form of human association to produce cheapest products of better quality.

Marks: 1

Question ID:
669731

No	Options Details	Select Option
1	Management	
2	Administration	
3	Organisation	
4	Direction	

Q.53 ----- must lead and inspire his men and should be familiar with human psychology and the art of handling men

Marks: 1

Question ID:
669732

No	Options Details	Select Option
1	Worker	
2	Manager	
3	Supervisor	
4	Foreman	

Q.54 ----- is the legal advisor of the company.

Marks: 1

Question ID:
669733

No	Options Details	Select Option
1	Company Secretary	
2	Auditor	
3	Labour Officer	
4	Attorney	

Q.55 ----- leaders run company as per their wishes and expect their subordinates to follow them blindly.

Marks: 1

Question ID:
669734

No	Options Details	Select Option
1	Autocratic	
2	Functional	
3	Democratic	
4	Persuasive	

Q.56 ----- is not a tool in the Shapemaker software.

Marks: 1

Question ID:
669735

No	Options Details	Select Option
1	Volume	
2	Region	
3	Distal Umbrella Tool	
4	Length	

Q.57 Cloud command is used for the following purpose.

Marks: 1

Question ID:
669736

No	Options Details	Select Option
1	To draw a Curve	
2	To Draw a Line	
3	To Write Technical Information	
4	To Write Non-Technical Information	

Q.58 Which amongst the following commands is equal and opposite?

Marks: 1

Question ID:
669737

No	Options Details	Select Option
1	Mirror and Trim	
2	Line and Polyline	
3	Region and Explode	
4	Ellipse and Curve	

Q.59

Which of the following laser scanner uses a pulsed crosshair laser to capture a 3D image of the stump?

Marks: 1**Question ID:**

669738

No	Options Details	Select Option
1	Omega Scanner	
2	Infinity CAD Systems Scanner	
3	Bio-sculptor Dual Camera Scanner	
4	Hanger Scanner	

Q.60

Spinal displacement between the end of neutral zone and the end of the range of motion is the _____ zone.

Marks: 1**Question ID:**

669739

No	Options Details	Select Option
1	Terminal	
2	Elastic	
3	End	
4	Safety	

Q.61

Disruption of anterior column of the spine reduces the load carrying capacity of the spine by _____

Marks: 1

Question ID:
669740

No	Options Details	Select Option
1	20%	
2	60%	
3	80%	
4	40%	

Q.62

The normal wrist flexion range is ----- to ----- degrees.

Marks: 1

Question ID:
669741

No	Options Details	Select Option
1	55 to 60	
2	65 to 70	
3	75 to 80	
4	85 to 90	

Q.63 The elbow joint complex allows ----- degrees of freedom in motion.

Marks: 1

Question ID:

669742

No	Options Details	Select Option
1	1	
2	3	
3	4	
4	5	

Q.64 While measuring for the forearm crutch, the patient should stand with the crutch hand piece adjusted to provide ----- to ----- degrees of elbow flexion.

Marks: 1

Question ID:

669743

No	Options Details	Select Option
1	25-40	
2	15-30	
3	10-15	
4	30-35	

Q.65 Crutches permit up to _____ % weight bearing of the body.

Marks: 1

Question ID:
669744

No	Options Details	Select Option
1	40	
2	60	
3	80	
4	100	

Q.66 Mag and Spoke are different types of ----- in a wheelchair.

Marks: 1

Question ID:
669745

No	Options Details	Select Option
1	Wheels	
2	Arm Rests	
3	Foot Rests	
4	Hand Rims	

Q.67 ----- are metal knobs on the rims of wheelchairs that are covered with rubber.

Marks: 1

Question ID:
669746

No	Options Details	Select Option
1	Elevations	
2	Quad Pegs	
3	Hill climbers	
4	Anti Tippers	

Q.68 This stainless hook has a cam and lever mechanism that locks the hook when the fingers are in the nearly closed position.

Marks: 1

Question ID:
669747

No	Options Details	Select Option
1	APRL hook	
2	Sierra Two Load hook	
3	Dorrance -555	
4	Trautman Locktite Hook	

Q.69 The ----- terminal device offers voluntary opening function with a unique shape that is neither hook or hand like.

Marks: 1

Question ID:
669748

No	Options Details	Select Option
1	Greifer	
2	APRL	
3	CAPP	
4	TRS Grip	

Q.70 The ----- wrist unit combines rotational wrist with a flexion wrist.

Marks: 1

Question ID:
669749

No	Options Details	Select Option
1	Wrist Flexion	
2	Two Function	
3	Four Function	
4	Dual Function	

Q.71 The ----- is the primary suspensory element of the trans-humeral harness.

Marks: 1

Question ID:
669750

No	Options Details	Select Option
1	Anterior Support Strap	
2	Lateral Support Strap	
3	Axilla Loop	
4	Control Attachment Strap	

Q.72 Generally, Static hand splints function as -----lever systems.

Marks: 1

Question ID:
669751

No	Options Details	Select Option
1	First order	
2	Third order	
3	Second order	
4	Irrespective of	

Q.73 In Short Opponens splint the distal border of the ----- lies perpendicular to the metacarpal shaft and proximal to the MCP joints.

Marks: 1

Question ID:
669752

No	Options Details	Select Option
1	Dorsal bar	
2	Palmar bar	
3	Wrist piece	
4	Extension outrigger	

Q.74 The ----- orthosis is an excellent Shoulder Elbow Wrist Orthosis (S.E.W.O.) to prescribe after burns injury.

Marks: 1

Question ID:
669753

No	Options Details	Select Option
1	Gunslinger	
2	Trochlear	
3	Airplane	
4	Mobile Arm Support	

Q.75

In cases of radial nerve palsy the cock up splint should be made so as to maintain the wrist in ----- to ----- degrees of dorsiflexion.

Marks: 1**Question ID:**

669754

No	Options Details	Select Option
1	10 to 20	
2	20 to 30	
3	20 to 40	
4	30 to 40	

Q.76

----- type of terminal device was developed primarily for child amputees.

Marks: 1**Question ID:**

669755

No	Options Details	Select Option
1	Voluntary opening	
2	Voluntary closing	
3	Cosmetic	
4	C.A.P.P.	

Q.77 The Centri Electric Hands are available in ----- adult sizes.

Marks: 1

Question ID:

669756

No	Options Details	Select Option
1	3	
2	4	
3	5	
4	2	

Q.78 ----- is a not a non-hand like electric prehension device.

Marks: 1

Question ID:

669757

No	Options Details	Select Option
1	Motion Control ETD	
2	System Electric Greifer	
3	DMC Plus	
4	Hosmer NU-VA Synergetic Prehensor	

Q.79

----- is an example of a prosthetic knee joint with a single adjustable flow control valve controlling both flexion and extension of the knee joint,

Marks: 1**Question ID:**

669758

No	Options Details	Select Option
1	C-leg	
2	Dynaplex	
3	IP+	
4	Orion	

Q.80

In 1983, Kristinsson of Iceland introduced the concept of ----- socket design.

Marks: 1**Question ID:**

669759

No	Options Details	Select Option
1	ISNY	
2	PTB	
3	Botta	
4	OHC	

Q.81 An initial flexion of the stump is no longer required in ----- technology socket.

Marks: 1

Question ID:
669760

No	Options Details	Select Option
1	KBM	
2	PTB	
3	PTS	
4	TES	

Q.82 The development of the Ischial containment socket design was initiated by -----

Marks: 1

Question ID:
669761

No	Options Details	Select Option
1	Sabolich	
2	Pritham	
3	Marlo	
4	Ivan Long	

Q.83 With ----- technique a prosthesis is attached directly to the skeleton via a titanium abutment.

Marks: 1

Question ID:
669762

No	Options Details	Select Option
1	Krukenberg	
2	Osseointegration	
3	Cineplasty	
4	Reconstruction	

Q.84 The ----- foot is a dynamic response foot for Syme's prosthesis.

Marks: 1

Question ID:
669763

No	Options Details	Select Option
1	Modified SACH Foot	
2	SAFE Foot	
3	Impulse Foot	
4	Multiflex Foot	

Q.85 The ----- provides for proportional control of the speed of the hand.

Marks: 1

Question ID:
669764

No	Options Details	Select Option
1	Digital Twin Hand	
2	DMC Plus Hand	
3	Sensor Hand	
4	Trans-carpal Hand	

Q.86 The primary prehension pattern of the System Electric hand is -----

Marks: 1

Question ID:
669765

No	Options Details	Select Option
1	Cylindrical	
2	Hook	
3	Pinch	
4	Palmar	

Q.87 The ----- has the maximum grip force amongst the following Non-Hand Prehension devices.

Marks: 1

Question ID:
669766

No	Options Details	Select Option
1	System Electric Greifer	
2	NU-VA Synergetic Prehensor	
3	Motion Control ETD	
4	RSL Steeper MultiControl Powered Gripper	

Q.88 ----- wrist units are cable-controlled, positive-locking mechanisms

Marks: 1

Question ID:
669767

No	Options Details	Select Option
1	Rotational	
2	Friction	
3	Quick Disconnect	
4	Oval	

Q.89 Milwaukee brace cannot be used in the treatment of -----.

Marks: 1

Question ID:

669768

No	Options Details	Select Option
1	Kyphosis	
2	Adolescent Idiopathic Scoliosis with apex of curve in mid-thoracic region	
3	Paralytic Scoliosis	
4	Adolescent Idiopathic Scoliosis with apex of curve in lower-thoracic region	

Q.90 ----- is not a mechanical principle of spinal orthosis.

Marks: 1

Question ID:

669769

No	Options Details	Select Option
1	Sleeve	
2	Vertical Distraction	
3	Fluid Compressiyn	
4	Immobilization	

Q.91 _____ denotes the mechanical constraints provided by an orthosis on the spine.

Marks: 1

Question ID:

669770

No	Options Details	Select Option
1	End point Control	
2	Mechanical Control	
3	Total Control	
4	Distal Control	

Q.92 _____ component of spinal orthoses helps to control rotation.

Marks: 1

Question ID:

669771

No	Options Details	Select Option
1	Thoracic band	
2	Pelvic band	
3	Cow Horn	
4	Lumbo-sacral upright	

Q.93 Only stable fractures can be treated orthotically; the exception being unstable fractures of the _____

Marks: 1

Question ID:
669772

No	Options Details	Select Option
1	Lumbar Spine	
2	Upper Cervical Spine	
3	Sacro-Iliac Spine	
4	Thoracic	

Q.94 ----- is a posterior opening orthosis used in the treatment of scoliosis.

Marks: 1

Question ID:
669773

No	Options Details	Select Option
1	N.Y.O.H.	
2	Wilmington	
3	Miami	
4	Bivalved TLSO	

Q.95 ----- orthosis is used in the treatment of congenital scoliosis.

Marks: 1

Question ID:
669774

No	Options Details	Select Option
1	Toronto	
2	Ilfield	
3	Kalibus	
4	Taylor	

Q.96 TLSOs used in the treatment of scoliosis employ a ----- point force corrective system in case of double curves.

Marks: 1

Question ID:
669775

No	Options Details	Select Option
1	3	
2	5	
3	2	
4	4	

Q.97 In neuromuscular deformities of the spine the aim of orthotic treatment is -----.

Marks: 1

Question ID:

669776

No	Options Details	Select Option
1	Control the Curve During Growth	
2	Preventing the need for surgery	
3	Correction of the Curve	
4	Immobilization	

Q.98 The ----- orthosis consists of a pelvic band, paraspinal uprights an interscapular band, cow horns and axillary straps.

Marks: 1

Question ID:

669777

No	Options Details	Select Option
1	Taylor	
2	Knight Taylor	
3	Chairback	
4	Williams	

Q.99 The ----- component of the Milwaukee brace helps to provide vertical distraction.

Marks: 1

Question ID:

669778

No	Options Details	Select Option
1	Thoracic Pad	
2	Posterior Uprights	
3	Head Support Unit	
4	Outrigger	

Q.100 The ----- is a custom molded anterior opening orthosis used in the treatment of Adolescent Idiopathic Scoliosis.

Marks: 1

Question ID:

669779

No	Options Details	Select Option
1	Boston	
2	Miami	
3	Lyonnaise	
4	Rosenberger	