

DU Masters in Physiotherapy

Topic:- PHYSIO M

1) A muscle that flexes both hip and knee joints is:[Question ID = 3322]

1. Adductor Magnus [Option ID = 13285]
2. Biceps Femoris [Option ID = 13286]
3. Rectus Femoris [Option ID = 13287]
4. Sartorius [Option ID = 13288]

2) What is the most appropriate ultrasound dosage for piriformis muscle spasm, which is compressing the Sciatic Nerve and producing pain in the posterior hip region that has been worsening over last three months?[Question ID = 3323]

1. 1 MHz continuous at 1.0 W/cm² [Option ID = 13289]
2. 1 MHz pulsed at 1.0 W/cm² [Option ID = 13290]
3. 3 MHz continuous at 1.0 W/cm² [Option ID = 13291]
4. 3 MHz pulsed at 1.0 W/cm² [Option ID = 13292]

3) Walking from a well lit room into a dark room would cause the following to occur:[Question ID = 3324]

1. The sclera in the eye opens and eventually allows one to see in the dark [Option ID = 13293]
2. The extraocular muscles in the eye open and eventually allow one to see in the dark [Option ID = 13294]
3. The cones in the eye open and eventually allow one to see in the dark [Option ID = 13295]
4. The rods in the eye open and eventually allow one to see in the dark [Option ID = 13296]

4) Following are all the features of cerebellar lesions EXCEPT:[Question ID = 3325]

1. Dysidiachokinesia [Option ID = 13297]
2. Nystagmus [Option ID = 13298]
3. Rigidity of voluntary muscles [Option ID = 13299]
4. Intention tremor [Option ID = 13300]

5) Which of the following concerning average lung volumes and capacities of a person at rest is TRUE?[Question ID = 3326]

1. Total Lung Capacity>Vital Capacity>Tidal Volume>Functional Residual Capacity [Option ID = 13301]
2. Total Lung Capacity>Functional Residual Capacity>Vital Capacity>Tidal Volume [Option ID = 13302]
3. Total Lung Capacity>Vital Capacity>Functional Residual Capacity>Tidal Volume [Option ID = 13303]
4. Total Lung Capacity>Functional Residual Capacity>Tidal Volume>Vital Capacity [Option ID = 13304]

6) Grade IV of the oscillatory technique of mobilization is:[Question ID = 3327]

1. Small amplitude rhythmic oscillations, performed up to the limit of available motion [Option ID = 13305]
2. Small amplitude rhythmic oscillations, performed at the limit of available motion [Option ID = 13306]
3. Large amplitude rhythmic oscillations, performed up to the limit of available motion [Option ID = 13307]
4. Small amplitude, high velocity thrust performed at the limit of available motion [Option ID = 13308]

7) A patient with a 10-year history of diabetes complaining of cramping pain, and fatigue of the right buttock after walking 400 feet or climbing stairs. When the patient stops exercising, the pain goes away immediately. The skin of the involved leg is cool and pale. The therapist suspects:[Question ID = 3328]

1. Spinal root impingement [Option ID = 13309]
2. Peripheral nerve injury [Option ID = 13310]
3. Peripheral arterial disease [Option ID = 13311]
4. Raynaud's disease [Option ID = 13312]

8) Lining epithelium of lung alveolus is:[Question ID = 3329]

1. Simple columnar [Option ID = 13313]
2. Simple cuboidal [Option ID = 13314]
3. Simple squamous [Option ID = 13315]
4. Pseudostratified ciliated columnar [Option ID = 13316]

9) How would postsurgical cardiac rehabilitation be different for a patient with intermittent vascular claudication?[Question ID = 3330]

1. Interspersed rest periods between exercises [Option ID = 13317]
2. Target heart rate to be set at 90% of maximum heart rate [Option ID = 13318]
3. Higher dosage of anticoagulation [Option ID = 13319]
4. Patient is not a candidate for cardiac rehabilitation [Option ID = 13320]

10) Rotatory or angular motion is best described as:[Question ID = 3331]

1. Movement of an object or segment around a fixed axis in a curved path [Option ID = 13321]
2. Each point on the object or segment moves through the same angle, in the same time [Option ID = 13322]
3. The same point on the object or segment moves at a constant distance from the axis [Option ID = 13323]
4. All of the above [Option ID = 13324]

11) Which of the following systemic effect(s) is associated with acute inflammation?[Question ID = 3332]

1. Fever [Option ID = 13325]
2. Shock [Option ID = 13326]
3. Leucocytosis [Option ID = 13327]
4. All of the above [Option ID = 13328]

12) Post-operative physiotherapy following Putti-Platt surgery for anterior recurrent shoulder dislocation are: [Question ID = 3333]

1. Isometric contraction of rotator cuff after surgery [Option ID = 13329]
2. Active movements can be started after 3-4 weeks [Option ID = 13330]
3. Mobilization of the shoulder can be started after 3-4 weeks [Option ID = 13331]
4. Progressive strengthening can be started after 3-4 weeks [Option ID = 13332]

13) Fibromyalgia syndrome is a:[Question ID = 3334]

1. Musculoskeletal disorder [Option ID = 13333]
2. Psychosomatic disorder [Option ID = 13334]
3. Neurosomatic disorder [Option ID = 13335]
4. Non-inflammatory rheumatic disorder [Option ID = 13336]

14) The corneal reflex is absent in the lesion of:[Question ID = 3335]

1. Trochlear Nerve [Option ID = 13337]
2. Trigeminal Nerve [Option ID = 13338]
3. Optic Nerve [Option ID = 13339]
4. Oculomotor Nerve [Option ID = 13340]

15) Impairment is defined as____.[Question ID = 3336]

1. Loss of psychological, physiological, or anatomical structure or function in a human being [Option ID = 13341]
2. Lack of ability to perform an activity considered to be normal for a human being [Option ID = 13342]
3. Inability to perform the family and social role [Option ID = 13343]
4. None of the above [Option ID = 13344]

16) A fitness instructor who is 8 months pregnant was recently diagnosed with placenta previa. The physiotherapist's most important instructions to her will be:[Question ID = 3337]

1. Continue proper breathing and discontinue pelvic floor exercises [Option ID = 13345]
2. Continue with training in a therapeutic pool at waist deep level [Option ID = 13346]
3. Continue pelvic floor exercises and discontinue abdominal exercises [Option ID = 13347]
4. Continue with partial sit-ups and pelvic floor exercises [Option ID = 13348]

17) A patient is ambulating for the first time after a left hip replacement using crutches on a level surface. The physiotherapist should guard the patient by standing slightly:[Question ID = 3338]

1. Behind and to the intact side, one hand on the gait belt [Option ID = 13349]
2. In front of the patient walking backward with one hand on the gait belt and one on the shoulder [Option ID = 13350]
3. Behind and to the left side, one hand on the gait belt [Option ID = 13351]
4. Behind the patient with both hands on the gait belt [Option ID = 13352]

18) Healthcare marketing refers to:[Question ID = 3339]

1. Assessing true needs and wants of the patient [Option ID = 13353]
2. Analysis of strengths and weaknesses of the organization [Option ID = 13354]
3. In depth analysis of demographic data [Option ID = 13355]
4. All of the above [Option ID = 13356]

19) Environmental factors that are implicated in the development of neural tube defects (NTDs) include:[Question ID = 3340]

1. Maternal diabetes mellitus [Option ID = 13357]
2. Folate deficiency [Option ID = 13358]
3. Use of valproic acid [Option ID = 13359]
4. All of the above [Option ID = 13360]

20) A patient, four weeks post arthroscopic meniscectomy presents with knee flexion limitation. Which mobilization technique is beneficial to increase flexion ROM?[Question ID = 3341]

1. Anterior glide of the tibia [Option ID = 13361]
2. Superior glide of the patella [Option ID = 13362]
3. Posterior glide of the tibia [Option ID = 13363]
4. Anterior glide of the fibular head [Option ID = 13364]

21) The principle of Mulligan's manual therapy is _____.[Question ID = 3342]

1. Self-treatment technique [Option ID = 13365]
2. Sustained gliding in the treatment plane [Option ID = 13366]
3. Pain-free active movement in a weight-bearing position is done, which is otherwise painful [Option ID = 13367]
4. All of the above [Option ID = 13368]

22) Which of these thoracolumbosacral orthoses (TLSO) CANNOT be used on an unstable thoracolumbar spine fracture? [Question ID = 3343]

1. Jewett brace [Option ID = 13369]

2. Cruciform anterior spinal hyperextension (CASH) brace [Option ID = 13370]
3. Molded plastic TLSO [Option ID = 13371]
4. Taylor's brace [Option ID = 13372]

23) Research studies that differentiate changes in an individual or group of individuals over time are called as:[Question ID = 3344]

1. Case studies [Option ID = 13373]
2. Developmental studies [Option ID = 13374]
3. Longitudinal studies [Option ID = 13375]
4. Clinical reports [Option ID = 13376]

24) Phobias are characterized by:[Question ID = 3345]

1. Sense of impending death [Option ID = 13377]
2. Excessive and unreasonable fear [Option ID = 13378]
3. Stereotypic acts [Option ID = 13379]
4. Psychic numbing [Option ID = 13380]

25) Apart from hip abductors which other muscles in the hip joint contribute to stability in bilateral stance?[Question ID = 3346]

1. Extensors [Option ID = 13381]
2. Adductors [Option ID = 13382]
3. Rotators [Option ID = 13383]
4. Flexors [Option ID = 13384]

26) In which of the following patient's target heart rate is NOT used in cardiac rehabilitation?[Question ID = 3347]

1. Patient taking a statin [Option ID = 13385]
2. Patient taking a beta-blocker [Option ID = 13386]
3. Patient undergoing anticoagulation therapy [Option ID = 13387]
4. Patient taking a diuretic [Option ID = 13388]

27) What is a congenital terminal limb deficiency?[Question ID = 3348]

1. A deficiency in the long axis [Option ID = 13389]
2. A deficiency in the short or transverse axis [Option ID = 13390]
3. A deficiency of both long and short axes [Option ID = 13391]
4. An absence of a joint [Option ID = 13392]

28) Which of the following statements is TRUE regarding the corticospinal tracts:[Question ID = 3349]

1. It is the main tract for nearly all- voluntary activity [Option ID = 13393]
2. It originates from neurones that are located in area 4 (precentral gyrus) [Option ID = 13394]
3. These corticospinal tracts, which are also known as pyramidal tracts pass through the internal capsule on their way down to the brain-stem and spinal cord [Option ID = 13395]
4. All of the above [Option ID = 13396]

29) Nursemaid elbow is caused by:[Question ID = 3350]

1. Valgus and distraction injury [Option ID = 13397]
2. Varus injury [Option ID = 13398]
3. Compression injury [Option ID = 13399]
4. Distraction injury [Option ID = 13400]

30) What does Society EXCLUDE:[Question ID = 3351]

1. Differences [Option ID = 13401]
2. Inter-dependence [Option ID = 13402]
3. Reciprocity [Option ID = 13403]
4. Time boundedness [Option ID = 13404]

31) The most common measure of variability is:[Question ID = 3352]

1. Variance [Option ID = 13405]
2. Standard deviation [Option ID = 13406]
3. Standard error [Option ID = 13407]
4. All of the above [Option ID = 13408]

32) Following muscles produce elevation of scapula EXCEPT:[Question ID = 3353]

1. Rhomboidius Major [Option ID = 13409]
2. Rhomboidius Minor [Option ID = 13410]
3. Trapezius [Option ID = 13411]
4. Serratus Anterior [Option ID = 13412]

33) Neuroplasticity is NOT positively influenced by:[Question ID = 3354]

1. Environment and stimulation [Option ID = 13413]
2. Repetition of tasks [Option ID = 13414]
3. Motivation [Option ID = 13415]
4. Compensation strategies [Option ID = 13416]

34) Patients who are taking corticosteroid medications should be monitored for Cushing's syndrome. You will need to monitor the patient for which of the following problems:[Question ID = 3355]

1. Low blood pressure, hypoglycaemia [Option ID = 13417]
2. Decreased bone density, muscle wasting [Option ID = 13418]
3. Severe dehydration [Option ID = 13419]
4. All of the above [Option ID = 13420]

35) A factory worker injured his right arm with damage to Ulnar nerve at the elbow. A diagnostic EMG revealed spontaneous fibrillation potentials. This indicates that:[Question ID = 3356]

1. Denervation atrophy has occurred [Option ID = 13421]
2. Re-innervation is complete [Option ID = 13422]
3. Re-innervation is in process [Option ID = 13423]
4. Axonotmesis is occurring [Option ID = 13424]

36) The process by which all living cells, spores, and viruses are completely destroyed from an object is called:[Question ID = 3357]

1. Disinfection [Option ID = 13425]
2. Pasteurization [Option ID = 13426]
3. Sterilization [Option ID = 13427]
4. Antisepsis [Option ID = 13428]

37) A 6-month-old child was referred to physical therapy for right torticollis. The most effective method to stretch the muscle is by positioning the head and neck into:[Question ID = 3358]

1. Flexion, left side bending and left rotation [Option ID = 13429]
2. Extension, right side bending and left rotation [Option ID = 13430]
3. Flexion, right side bending and left rotation [Option ID = 13431]
4. Extension, left side bending and right rotation [Option ID = 13432]

38) In burns patient, the pressure garments are worn for _____ months to assist scar remodelling.[Question ID = 3359]

1. 6- 8 months [Option ID = 13433]
2. 8- 20 months [Option ID = 13434]
3. 12- 18 months [Option ID = 13435]
4. 24 months [Option ID = 13436]

39) What is NOT TRUE about Blood Brain Barrier?[Question ID = 3360]

1. It exists between blood and CSF [Option ID = 13437]
2. It exists at the Choroid Plexus [Option ID = 13438]
3. It is not present in Hypothalamus [Option ID = 13439]
4. It is not permeable to alcohol and most anaesthetics [Option ID = 13440]

40) Which of the following statement is INCORRECT regarding fracture of clavicle:[Question ID = 3361]

1. Fracture is commonest in medial third [Option ID = 13441]
2. Non-union is rare [Option ID = 13442]
3. Most cases can be treated conservatively [Option ID = 13443]
4. Fracture usually occurs due to indirect injury [Option ID = 13444]

41) The world's population is ageing due to:[Question ID = 3362]

1. Advances in health care [Option ID = 13445]
2. Decreased infant mortality rate [Option ID = 13446]
3. Improvement in nutrition and sanitation [Option ID = 13447]
4. All of these [Option ID = 13448]

42) At similar oxygen consumptions:[Question ID = 3363]

1. Heart rate, systolic blood pressure, and diastolic blood pressure are lower during arm work because arm work is less mechanically efficient than leg work [Option ID = 13449]
2. Heart rate, systolic blood pressure, and diastolic blood pressure are higher during arm work because arm work is less mechanically efficient than leg work [Option ID = 13450]
3. Heart rate, systolic blood pressure, and diastolic blood pressure are lower during arm work because arm work is more mechanically efficient than leg work [Option ID = 13451]
4. Heart rate, systolic blood pressure, and diastolic blood pressure are higher during arm work because arm work is more mechanically efficient than leg work [Option ID = 13452]

43) On an average, at what age is an infant able to walk with support?[Question ID = 3364]

1. 6 months [Option ID = 13453]
2. 12 months [Option ID = 13454]
3. 15 months [Option ID = 13455]
4. 18 months [Option ID = 13456]

44) When electromagnetic rays strike a new medium, they may be absorbed and thus produce an effect. This law is called as:[Question ID = 3365]

1. Van't Hoff Law [Option ID = 13457]
2. Grothus Law [Option ID = 13458]

3. Cosine Law [Option ID = 13459]
4. Inverse Squares Law [Option ID = 13460]

45) Adductor myotomies should:[Question ID = 3366]

1. Be considered for the older child with a dislocated hip and pain [Option ID = 13461]
2. Be considered early in severe spasticity to prevent dislocation [Option ID = 13462]
3. Be delayed until 6 years [Option ID = 13463]
4. None of the above [Option ID = 13464]

46) Chi square test is a:[Question ID = 3367]

1. Non-parametric test of significance used to analyze group differences [Option ID = 13465]
2. Parametric test of significance used to analyze group differences [Option ID = 13466]
3. Test to correlate non-parametric data [Option ID = 13467]
4. Test used to correlate parametric data [Option ID = 13468]

47) The data type that classifies and ranks variables based on predetermined equal intervals but does not have a true zero point is called as:[Question ID = 3368]

1. Nominal Scale [Option ID = 13469]
2. Ordinal Scale [Option ID = 13470]
3. Ratio Scale [Option ID = 13471]
4. Interval Scale [Option ID = 13472]

48) The term vaccine was coined by:[Question ID = 3369]

1. Pasteur [Option ID = 13473]
2. Robert Koch [Option ID = 13474]
3. Jenner [Option ID = 13475]
4. Jenner and Pasteur [Option ID = 13476]

49) The persons with disability act, 1995 adopted the proclamation on ____ of people with disability.[Question ID = 3370]

1. Full participation [Option ID = 13477]
2. Equalization of opportunity [Option ID = 13478]
3. Protection of rights [Option ID = 13479]
4. All of the above [Option ID = 13480]

50) Common side effect of anti-Parkinson's drugs (eg, Sinemet, Requip) is:[Question ID = 3371]

1. Facial flushing [Option ID = 13481]
2. Erectile dysfunction [Option ID = 13482]
3. Tachycardia [Option ID = 13483]
4. Postural hypotension [Option ID = 13484]

51) The main cause of increased blood flow to exercising muscles is:[Question ID = 3372]

1. Raised blood pressure [Option ID = 13485]
2. Vasodilatation due to local metabolites [Option ID = 13486]
3. Increased sympathetic discharge to peripheral vessels [Option ID = 13487]
4. Increased heart rate [Option ID = 13488]

52) Pseudogout commonly involves which of the following areas?[Question ID = 3373]

1. Knee [Option ID = 13489]
2. Toe [Option ID = 13490]
3. Elbow [Option ID = 13491]
4. Fingers [Option ID = 13492]

53) Which of the following is not included in fat-soluble vitamins?[Question ID = 3374]

1. Vitamin A [Option ID = 13493]
2. Vitamin D [Option ID = 13494]
3. Vitamin E [Option ID = 13495]
4. Vitamin B [Option ID = 13496]

54) Reinforcement theory of motivation was given by:[Question ID = 3375]

1. Jung [Option ID = 13497]
2. Herzberg [Option ID = 13498]
3. Skinner [Option ID = 13499]
4. Maslow [Option ID = 13500]

55) The WeeFIM (pediatric functional independence measure) functional assessment in the pediatric population may be measured beginning at what age?[Question ID = 3376]

1. Birth [Option ID = 13501]
2. 6 months [Option ID = 13502]
3. 12 months [Option ID = 13503]
4. 24 months [Option ID = 13504]

56) The disc between which vertebra corresponds to the highest point on the iliac crest?[Question ID = 3377]

1. L1-L2 [Option ID = 13505]

2. L2-L3 [Option ID = 13506]
3. L3-L4 [Option ID = 13507]
4. L4-L5 [Option ID = 13508]

57) The graphical representation to depict correlation is by:[Question ID = 3378]

1. Histograms [Option ID = 13509]
2. Pie charts [Option ID = 13510]
3. Scatter plot [Option ID = 13511]
4. None of the above [Option ID = 13512]

58) When the patient is standing upright, the top of a walker should reach which anatomic location?[Question ID = 3379]

1. Xiphoid process [Option ID = 13513]
2. Greater trochanter [Option ID = 13514]
3. Anterior Superior Iliac Spine(ASIS) [Option ID = 13515]
4. Iliac crest [Option ID = 13516]

59) Method of sampling that involves selection of individuals from a population list by taking individuals at a specified interval is called as:[Question ID = 3380]

1. Convenience sampling [Option ID = 13517]
2. Systematic sampling [Option ID = 13518]
3. Stratified sampling [Option ID = 13519]
4. Simple random sampling [Option ID = 13520]

60) Which of the following statements is NOT true?[Question ID = 3381]

1. The nucleus pulposus is made of a clay-like gel [Option ID = 13521]
2. The relative size of the nucleus pulposus and its capacity to take on water and swell are greatest in the cervical and lumbar spine [Option ID = 13522]
3. The functions of the inter-vertebral disc closely follow the laws of hydrodynamics [Option ID = 13523]
4. As the disc is avascular, it depends on nutrition from its exchange of fluid across the endplates with vascularised vertebral body [Option ID = 13524]

61) A 40-year-old woman gives history of weight gain and hoarseness of voice. On examination, her pulse is 64 per minute. Her skin is pale, course and dry. The most important investigation is:[Question ID = 3382]

1. Cortisol Level [Option ID = 13525]
2. Gonadotropin Level [Option ID = 13526]
3. Insulin like Growth Factor [Option ID = 13527]
4. Thyroid Function Test [Option ID = 13528]

62) CO₂ is primarily transported in arterial blood as:[Question ID = 3383]

1. Dissolved CO₂ [Option ID = 13529]
2. Carbonic acid [Option ID = 13530]
3. Carbaminohaemoglobin [Option ID = 13531]
4. Bicarbonate [Option ID = 13532]

63) The systemic effect of cryotherapy is:[Question ID = 3384]

1. Increased blood pressure [Option ID = 13533]
2. Decreased blood pressure [Option ID = 13534]
3. Decreased cardiac output [Option ID = 13535]
4. None of the above [Option ID = 13536]

64) Which of the following is a study of highest scientific rigour?[Question ID = 3385]

1. Systematic review [Option ID = 13537]
2. Case Control studies [Option ID = 13538]
3. Expert opinion [Option ID = 13539]
4. Cohort studies [Option ID = 13540]

65) Following cemented TKR, patient weans from crutches by_____.[Question ID = 3386]

1. Stitch removal [Option ID = 13541]
2. 3 weeks [Option ID = 13542]
3. 6 weeks [Option ID = 13543]
4. 3 months [Option ID = 13544]

66) Which contraction generates the least force? [Question ID = 3387]

1. Slow eccentric [Option ID = 13545]
2. Fast eccentric [Option ID = 13546]
3. Slow concentric [Option ID = 13547]
4. Fast concentric [Option ID = 13548]

67) Which of the following best describes beneficence?[Question ID = 3388]

1. Automatically making a decision for a patient [Option ID = 13549]
2. The right of an individual to make his or her own informed decision [Option ID = 13550]
3. Taking action that serves the best interest of the patient [Option ID = 13551]
4. Do not harm the patient [Option ID = 13552]

68) Anterior fontanelle in the foetal skull usually closes at:[Question ID = 3389]

1. Birth [Option ID = 13553]
2. One year after birth [Option ID = 13554]
3. 18 months after birth [Option ID = 13555]
4. Two months after birth [Option ID = 13556]

69) The sign of DVT_____.[Question ID = 3390]

1. Edema ankle & foot [Option ID = 13557]
2. Pain & tenderness medial aspect of lower calf [Option ID = 13558]
3. Positive Homan's sign [Option ID = 13559]
4. All of the above [Option ID = 13560]

70) Amyotrophic Lateral Sclerosis is:[Question ID = 3391]

1. A chronic, progressive, degenerative disease that selectively attacks the corticospinal tracts in the lateral white columns [Option ID = 13561]
2. The disease is primarily sensory in nature [Option ID = 13562]
3. The disease only effects the proprioceptive sensation [Option ID = 13563]
4. Joint sensation is minimally affected [Option ID = 13564]

71) A defensive reaction in which behavior is exactly opposite of what is expected is called as:[Question ID = 3392]

1. Projection [Option ID = 13565]
2. Displacement [Option ID = 13566]
3. Reaction Formation [Option ID = 13567]
4. Rationalization [Option ID = 13568]

72) Which of the following statements regarding constraint-induced movement therapy (CIMT) is TRUE?[Question ID = 3393]

1. It requires constraint of the affected extremity [Option ID = 13569]
2. It is based on principles of repeated practice and intense activity [Option ID = 13570]
3. It utilizes a passive non-intensive approach [Option ID = 13571]
4. It aims to increase the use of the unaffected extremity [Option ID = 13572]

73) Comparison of two independent samples with normal distribution in a ratio scale can be done by which statistical test:[Question ID = 3394]

1. Paired t test [Option ID = 13573]
2. Unpaired t test [Option ID = 13574]
3. Mann Whitney U test [Option ID = 13575]
4. Wilcoxon signed rank test [Option ID = 13576]

74) Which of the following is NOT true regarding articular facet joints of the spine?[Question ID = 3395]

1. Most facet joints contain a fatty synovial mass called a "meniscus" [Option ID = 13577]
2. The articular facets of the cervical spine are (except C1 and C2) oriented at 45 degrees to the transverse plane [Option ID = 13578]
3. They are extensions of the laminae and are covered with hyaline cartilage on their articular surfaces [Option ID = 13579]
4. The articular facets of cervical spine are oriented at 90 degrees to the transverse plane [Option ID = 13580]

75) Following muscles produce medial rotation of humerus EXCEPT:[Question ID = 3396]

1. Pectoralis Major [Option ID = 13581]
2. Pectoralis Minor [Option ID = 13582]
3. Subscapularis [Option ID = 13583]
4. Latissimus Dorsi [Option ID = 13584]

76) Loss of central vision is associated with:[Question ID = 3397]

1. Diabetic retinopathy [Option ID = 13585]
2. Senile macular degeneration [Option ID = 13586]
3. Glaucoma [Option ID = 13587]
4. All of the above [Option ID = 13588]

77) A patient with an 8-year history of Parkinson's disease presents with significant rigidity, decreased ROM in both extremities in the typical distribution and frequent episodes of akinesia. The best exercise intervention for him would be:[Question ID = 3398]

1. Quadruped position, upper extremity PNF D2 flexion and extension [Option ID = 13589]
2. Resistance training, free weights for shoulder flexors at 80% of Repetition Maximum [Option ID = 13590]
3. Modified plantigrade, isometric holding, upper extremity shoulder flexion [Option ID = 13591]
4. PNF bilateral symmetrical upper extremity D2 flexion patterns, rhythmic initiation [Option ID = 13592]

78) The combined action of the Extensor Hallucis Longus and the Tibialis Posterior will produce the action of which of the following muscles:[Question ID = 3399]

1. Soleus [Option ID = 13593]
2. Peroneus longus [Option ID = 13594]
3. Tibialis anterior [Option ID = 13595]
4. Extensor brevis [Option ID = 13596]

79) On testing, a 75-year-old former engineer currently has an IQ score that is 2.5 standard deviations below the mean. She is alert and not depressed. What is the most likely diagnosis?[Question ID = 3400]

1. Delirium [Option ID = 13597]
2. Dementia [Option ID = 13598]
3. Amnestic disorder [Option ID = 13599]
4. Mental retardation [Option ID = 13600]

80) Myocardial contractility is increased by all of the following EXCEPT:[Question ID = 3401]

1. Circulating catecholamines [Option ID = 13601]
2. Stimulation of sympathetic nerve of heart [Option ID = 13602]
3. Drugs like Digitalis, Glucagon etc. [Option ID = 13603]
4. Hypoxia, hypercapnia, acidosis [Option ID = 13604]

81) Which of the following best describes the placebo effect on the mechanism of pain control in transcutaneous electrical nerve stimulation (TENS)?[Question ID = 3402]

1. There is no placebo effect in TENS [Option ID = 13605]
2. Placebo effect accounts for 90% of pain relief in TENS [Option ID = 13606]
3. Placebo effect accounts for 50% of pain relief in TENS [Option ID = 13607]
4. Placebo effect accounts for 30% of pain relief in TENS [Option ID = 13608]

82) The post-polio syndrome is best described as:[Question ID = 3403]

1. The over activity and overuse syndrome in individuals with significant neuromuscular impairment attributable to their poliomyelitis illness [Option ID = 13609]
2. Muscular weakness after an acute attack of poliomyelitis [Option ID = 13610]
3. Muscular weakness as a result of a viral flu [Option ID = 13611]
4. Cardiovascular deficits as a result of acute poliomyelitis [Option ID = 13612]

83) A test's ability to correctly identify the proportion of individuals who do not have a disease is called as:[Question ID = 3404]

1. Specificity [Option ID = 13613]
2. Sensitivity [Option ID = 13614]
3. Subjectivity [Option ID = 13615]
4. Objectivity [Option ID = 13616]

84) In which Order/Class of lever, the weight is in between force and fulcrum?[Question ID = 3405]

1. Order/Class I [Option ID = 13617]
2. Order/Class II [Option ID = 13618]
3. Order/Class III [Option ID = 13619]
4. All of the above [Option ID = 13620]

85) Which of the following is a physiologic result of wound treatment with ultraviolet radiation?[Question ID = 3406]

1. Decreased vitamin D production [Option ID = 13621]
2. Increased bacterial growth [Option ID = 13622]
3. Increased vascularization of wound margins [Option ID = 13623]
4. Decreased calcium metabolism [Option ID = 13624]

86) Symmetric tonic neck reflex is best described as:[Question ID = 3407]

1. A response to positioning in which the supine position produces an increase in extensor tone and the prone position increases flexor tone [Option ID = 13625]
2. A response to flexion of the neck that results in flexion of the arms and extension of the legs, extension of the neck produces the opposite response [Option ID = 13626]
3. Head rotation to the left causes extension of the left arm and leg with flexion of the right arm and leg, head rotation to the right causes the reverse pattern [Option ID = 13627]
4. All of the above [Option ID = 13628]

87) Cerebral palsy (CP) is associated with non-progressive lesions in the immature brain. One of the more common pathognomonic lesions seen in CP is:[Question ID = 3408]

1. Hydrocephalus [Option ID = 13629]
2. Periventricular leukomalacia (PVL) [Option ID = 13630]
3. Arnold-Chiari malformation [Option ID = 13631]
4. Central pontine myelinolysis [Option ID = 13632]

88) Bristow's operation is performed to treat one of the following conditions:[Question ID = 3409]

1. Fracture of upper end of humerus [Option ID = 13633]
2. Biceps tendon rupture [Option ID = 13634]
3. Recurrent dislocation of the shoulder [Option ID = 13635]
4. Rotator cuff injury [Option ID = 13636]

89) A retired carpenter has had long-term lumbar pain and was diagnosed with degeneration of his lumbar facet joints. He now complains of numbness, paresthesia, and weakness of his bilateral lower limbs which increases with extended positions or walking greater than 100 feet. He can ride a bicycle for 30 minutes without any problem. Physiotherapy intervention should include:[Question ID = 3410]

1. Increasing cardiovascular endurance for degenerative disease [Option ID = 13637]
2. Abdominal and back strengthening for Spondylolysis [Option ID = 13638]
3. Stretching and limiting extended spinal positions for spinal stenosis [Option ID = 13639]
4. Traction and limiting weight-bearing positions for discal dysfunctions [Option ID = 13640]

90) Thomas heel is given in case of ____.[Question ID = 3411]

1. Equinus foot [Option ID = 13641]
2. Cavus foot [Option ID = 13642]
3. Flat foot [Option ID = 13643]
4. Congenital Talipes Equino Varus (CTEV) [Option ID = 13644]

91) Age-related changes that affect coordinated movement are:[Question ID = 3412]

1. Decreased pre-motor reaction time [Option ID = 13645]
2. Increased movement time [Option ID = 13646]
3. Increased number of functional motor units [Option ID = 13647]
4. All of the above [Option ID = 13648]

92) An important adjunct to physiotherapy management of a child with moderate spastic hemiplegia is the use of:[Question ID = 3413]

1. Knee- ankle-foot orthosis (KAFO) [Option ID = 13649]
2. Anterior Rollator [Option ID = 13650]
3. Posterior Rollator [Option ID = 13651]
4. Tone inhibiting ankle-foot orthosis (AFO) [Option ID = 13652]

93) Acute tissue rejection after transplantation results from:[Question ID = 3414]

1. Humoral rejection [Option ID = 13653]
2. Cellular rejection [Option ID = 13654]
3. Both humoral and cellular rejection [Option ID = 13655]
4. Immunosuppression [Option ID = 13656]

94) If Median Nerve is injured at the wrist, then loss of function of all the following will take place EXCEPT:[Question ID = 3415]

1. Lumbrical muscle to the index finger [Option ID = 13657]
2. Lumbrical muscle to middle finger [Option ID = 13658]
3. Muscles of Thenar eminence [Option ID = 13659]
4. Adductor Pollicis [Option ID = 13660]

95) Which test is useful in determining adequate blood supply to the hand?[Question ID = 3416]

1. Hoffman's test [Option ID = 13661]
2. Elson's test [Option ID = 13662]
3. Phalen's test [Option ID = 13663]
4. Allen's test [Option ID = 13664]

96) An example of a non-progressive tumor often cured by surgical resection is:[Question ID = 3417]

1. Meningioma [Option ID = 13665]
2. Glioblastoma multiforme [Option ID = 13666]
3. Astrocytoma [Option ID = 13667]
4. Oligodendroglioma [Option ID = 13668]

97) Hopping, skipping, jumping are forms of:[Question ID = 3418]

1. Eccentric exercise [Option ID = 13669]
2. Plyometrics [Option ID = 13670]
3. Concentric followed by eccentric [Option ID = 13671]
4. None of the above [Option ID = 13672]

98) Which of the evaluations below is the most important part of the physical evaluation of an athlete?[Question ID = 3419]

1. Nephrology evaluation [Option ID = 13673]
2. Pulmonary evaluation [Option ID = 13674]
3. Cardiovascular evaluation [Option ID = 13675]
4. Neurologic evaluation [Option ID = 13676]

99) Active transport across the plasma membrane may be described by which statement? [Question ID = 3420]

1. Active transport requires energy from ATP [Option ID = 13677]
2. Active transport is also known as endocytosis [Option ID = 13678]
3. Active transport moves molecules along their concentration gradient [Option ID = 13679]
4. Active transport is the movement of lipid-soluble molecules through the plasma membrane [Option ID = 13680]

100) A current that produces greater muscular hypertrophy with gain in strength is:[Question ID = 3421]

1. Direct current [Option ID = 13681]
2. Faradic current [Option ID = 13682]
3. Russian current [Option ID = 13683]
4. Diadynamic current [Option ID = 13684]

