#### SAMPLE QUESTION PAPER PHYSICAL EDUCATION (048) SESSION (2022-23)

### TIME ALLOWED: 3 HRS GENERAL INSTRUCTIONS:

MAX. MARKS: 70

1) The question paper consists of 5 sections and 37 Questions.

2) Section A consists of question 1-18 carrying 1 mark each and is multiple choice questions. All questions are compulsory.

3) Sections B consist of questions 19-24 carrying 2 marks each and are very short answer types and should not exceed 60-90 words. Attempt any 5.

4) Sections C consist of Question 25-30 carrying 3 marks each and are short answer types and should not exceed 100-150 words. Attempt any 5.

5) Sections D consist of Question 31-33 carrying 4 marks each and are case studies. There is internal choice available.

6) Section E consists of Question 34-37 carrying 5 marks each and are short answer types and should not exceed 200-300 words. Attempt any 3.

## (SECTION -A)

Q1. Identify the asana:



- a) Paschimottanasana
- b) Halasana
- c) Vajrasana
- d) Dhanurasana

## (Question for visually impaired)

Which asana amongst these can be done just after having meals?

- a) Bhujangasana
- b) Dhanurasana
- c) Vajrasana
- d) Ardhmatsyendrasana

Q2. A person who likes to learn new things, new concepts and new experiences are categorized as \_\_\_\_\_.

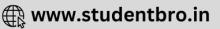
- a) Agreeableness
- b) Extroversion
- c) Conscientiousness
- d) Openness

Q3. Cartwheel in gymnastics is an example of \_\_\_\_\_

- a) Static Equilibrium
- b) Dynamic Equilibrium
- c) Active Equilibrium
- d) Passive Equilibrium

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Q4. Slow twitch fibres are \_\_\_\_\_ in colour.

- a) White
- b) Red
- c) Transparent
- d) Brown

Q5. Jumping on the spot is an example of \_\_\_\_\_

- a) Iso-metric
- b) Iso-tonic
- c) Iso-kinetic
- d) Iso-kinesthetic

Q6. Take-off in Long jump is an example of \_\_\_\_\_\_ strength.

- a) Explosive strength
- b) Maximum strength
- c) Strength endurance
- d) Static strength

Q7.. The amount of oxygen which can be absorbed and consumed by the working muscles from the blood is called \_\_\_\_\_

- a) Oxygen Uptake
- b) Oxygen Intake
- c) Oxygen Transport
- d) Vital capacity

Q8. In Law of Acceleration, acceleration of an object is inversely proportionate to its

- a) Force
- b) Mass
- c) Speed
- d) Size

\*Q9. Given below are the two statements labeled Assertion (A) and Reason (R). Assertion: Intrinsic motivation has long term benefits.

Reason: As factors behind it are naturally pursuing actions that provide fun, pleasure, fulfillment or challenge

In the context of the above two statements, which one of the following is correct?

- a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
- c) (A) is true, but (R) is false.
- d) (A) is false, but (R) is true

Q10. Carbohydrates which are soluble in water and crystalline in structure.

- a) Simple
- b) Complex
- c) Compound
- d) Complicated
- Q11. Which amongst these is not a micro mineral?
- a) lodine
- b) Magnesium
- c) Iron
- d) Copper

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Q12. Which asana is helpful in increasing height?

- a) Sukhasana
- b) Tadasana
- c) Bhujangasana
- d) Vajrasana

\*Q13. How many byes will be given if there are 17 teams?

- a) 1
- b) 8
- c) 15
- d) 12

\* Q14. How many matches will be played in the knockout tournaments first round if there are 15 teams?

- a) 8
- b) 7
- c) 5
- d) 6

Q15.Watching others play and enjoy which in turn motivates the Child with special need to participate is a part of which kind of strategy?

- a) Mental
- b) Physical
- c) Psychological
- d) Social

\*Q16. Match the following:

- Ι. Garudasana. П. Gomukhasana.
- 2. Lordosis
- III. Chakrasana.
- IV. Naukasana.
- 3. Bow legs 4. Knock knees

1.Round shoulder

- a) I-3,II-4,III-1,IV-2
- b) I-1,II-3,III-4,IV-2
- c) I-4,II-2,III-1,IV-3
- d) I-2,II-3,III-4,IV-1
- \*Q17. Match the following:
  - I. Chair stand test.
  - Arm curl test. 11.
- 1. Lower Body strength 2. Aerobic Endurance
- 3. Upper body strength
- III. Back scratch test. IV. Six minute walk test. 4. Upper body flexibility
  - a) I-1,II-3,III-4,IV-2
  - b) I-2,II-3,III-1,IV-4
  - c) I-1,II-3,III-2,IV-4
  - d) I-2,II-3,III-4,IV-1

Q18. Weakening of bones due to loss of bone density and improper bone formation is known as

- a) Amenorrhea
- b) Anorexia Nervosa
- c) Osteoporosis
- d) Lordosis

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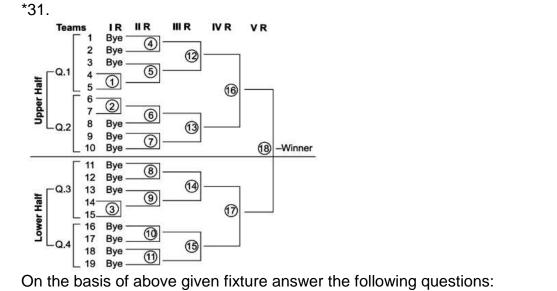
# (SECTION B)

Q19. List down any four effects of exercise on the muscular system.	(0.5*4)
	( )
Q20.List down any four benefits of self talk by athletes in sports	(0.5*4)
Q21. List down any four advantages of fartlek training method.	(0.5*4)
Q22. Explain any two types of soft tissue injuries with help of examples.	(0.5*4)
Q23. Write down the objectives and administration of the flamingo test.	(1+1)
*Q24. What should be the basic nutrient in a weightlifter's diet and why?	(1+1)

## (SECTION C)

*Q25.Create a mind map including any six advantages of physical activities for children		
with special needs.	(0.5X6=3)	
Q26. What are carbohydrates? Differentiate between its types.	{1+ (0.5*4)}	
Q27. Define bye. Explain the rules of giving bye with help of an example.	(1+2)	
*Q28. Make a table explaining any three personalities from Big five theory and their		
characteristics.	(1+1+1)	
Q29 Explain any three physiological factors determining strength.	(1+1+1)	
Q30. What is the meaning of female athletes Triad? Explain any two in brief.	(1+2)	

(SECTION D)



(4X1=4)

- a) total number of matches in 2<sup>nd</sup> round are \_\_\_\_\_
- b) What is the formula for calculating the total number of matches?
- c) The fourth round in this case can also be called as
- d) What is the formula for calculating the number of byes

OR

The formula for calculating number of rounds is \_\_\_\_\_\_(Question for visually impaired)

List down any four committees working during conduct of a competition and briefly explain their role.

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Q32. The teachers as well as coaches always make their best efforts to improve the performance of their students in various competitive games and sports. They can help to improve the performance of students if they have adequate knowledge of biomechanics. (4X1=4)



- a) The more force one exerts on the downward bounce, the higher the ball bounces into the air. Which law is this statement being referred to?
- b) Among the above given pictures, Newton's 3rd law is depicted in\_\_\_\_\_
- c) Newton's second law is also known as
- d) The study of human body and various forces acting on it is\_\_\_\_\_

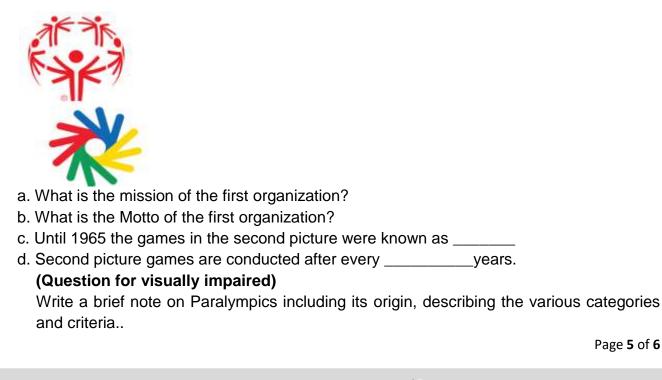
OR

A high jumper can jump higher off a solid surface because it opposes his or her body with as much force as he or she is able to generate. This example refers to which law of motion?

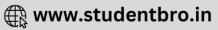
## (Question for visually impaired)

What is equilibrium? Explain its types along with the factors increasing equilibrium. (1+4)

Q33. In relation to the pictures, answer the following questions.







# (SECTION E)

Q34. List down any four asanas used for prevention of asthma. Explain the procedure for administration of any one of them with help of a stick diagram. (2+2+1) \*Q35. Make a table of test items listed under fitness test by SAI (Age group 9-18 yrs ) along with the objectives of conducting them. Explain the administration of any one of them. (4+1) Q36. Define flexibility along with its types. Explain any two methods used to develop flexibility. (2+3) Q37. Define Projectile and explain any two factors affecting projectile with help of

examples from sports. (1+4)

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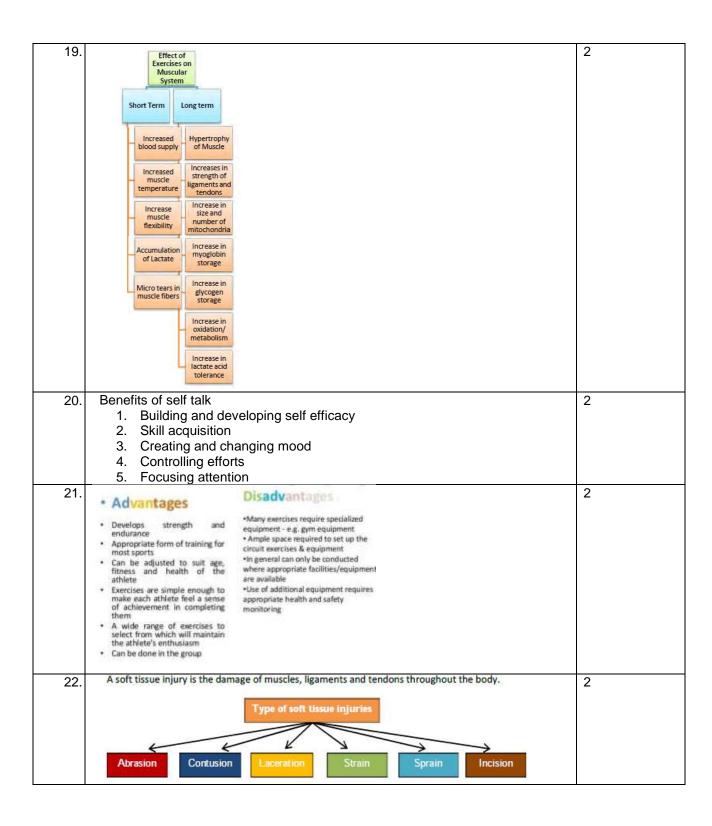
#### ANSWER KEY Physical Education (Session 2022-23)

	(Session 2022-23)				
Q.NO.	ANSWER	MARKS			
		DISTRIBUTION			
1.	(SECTION A)				
١.	d) Dhanurasana For visually impaired	1			
	c) Vajrasana				
2.	d) Openness	1			
۷.					
3.	b) Dynamic Equilibrium	1			
4.	b) Red	1			
5.	b) Iso-tonic	1			
6.	a) Explosive strength	1			
7.	a) Oxygen Uptake	1			
7.	a) Oxygen Uptake				
8.	b) Mass	1			
0.	5) 11/233				
9.	a) Both (A) and <sup>®</sup> are true and <sup>®</sup> is the correct explanation of (A).	1			
0.					
10.	a) Simple	1			
11.	b) Magnesium	1			
12.	b) Tadasana	1			
10	a) 15	1			
13.	c) 15	1			
14.	b) 7	1			
14.	5, 1				
15.	d) social	1			
.0.					
16.	a) I-3,II-4,III-1,IV-2	1			
17.	a) I-1,II-3,III-4,IV-2	1			
18.	c) Osteoporosis	1			
	(SECTION B)				

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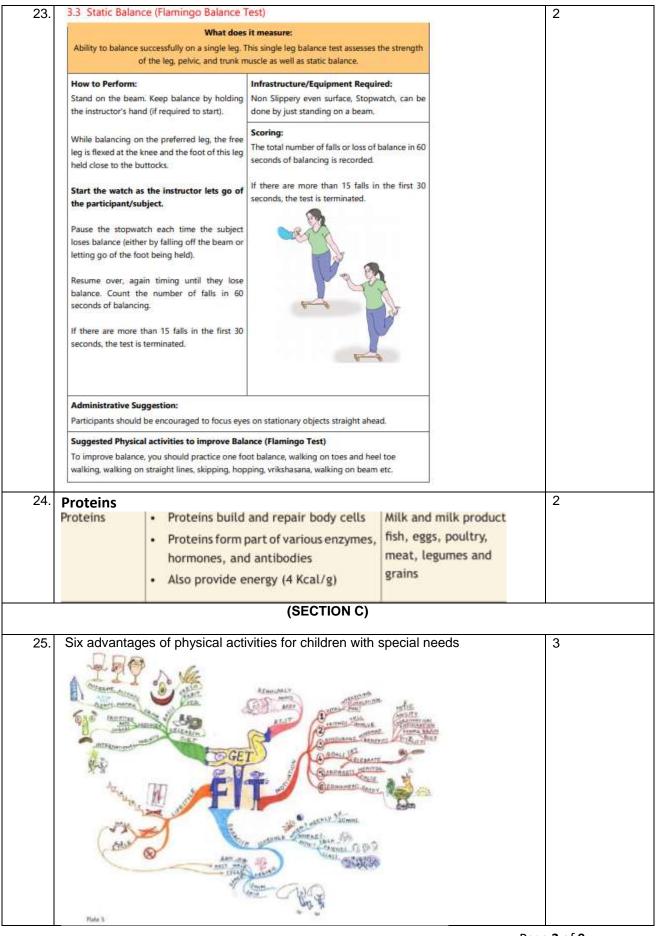




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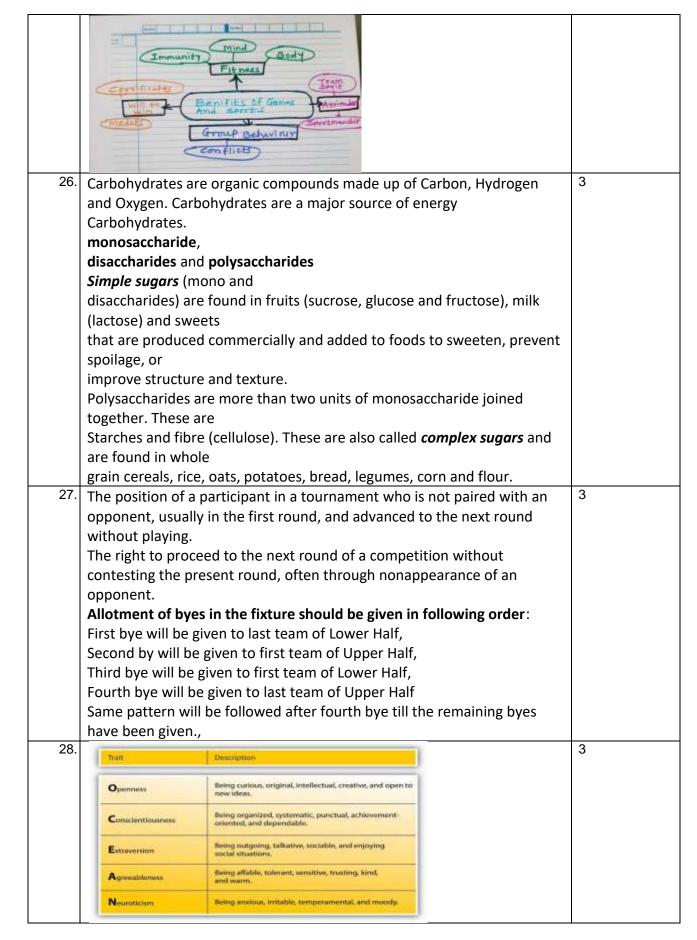






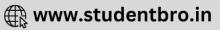
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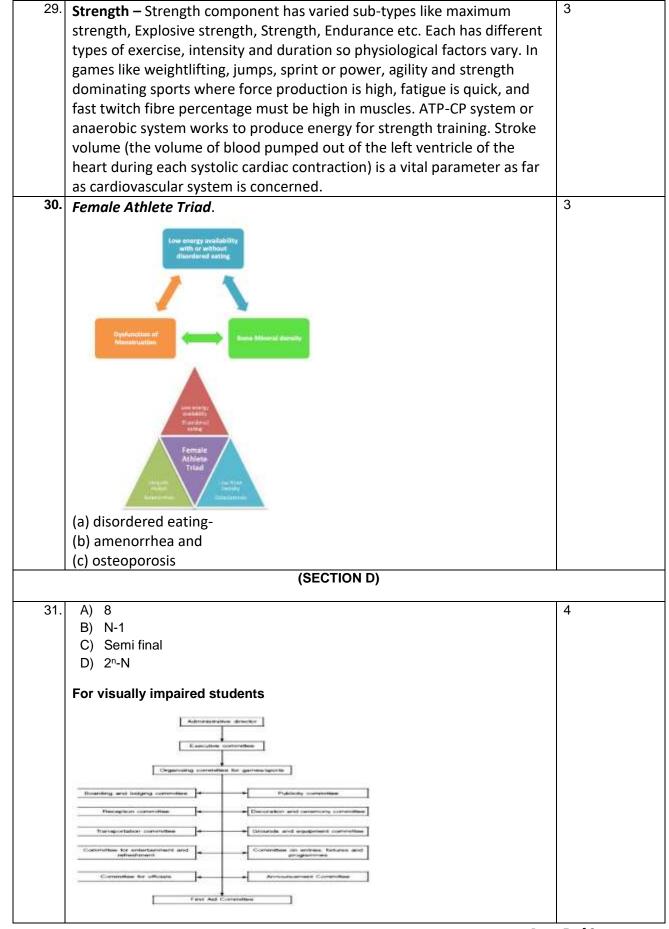




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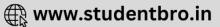






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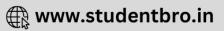




32.	2)	Third law of motion-Action reaction	4
JZ.	a) b)	1 <sup>st</sup> picture	+
	,	Law of Acceleration	
	,	Kinesiology	
	u)	Third law of motion-Action reaction	
		For visually impaired students	
		For visually impaired students	
		Guiding Principles to Determine the Degree of Stability	
		<ol> <li>Broader the base, the greater the stability: Broadening the base of support helps an athlete to achieve greater stability. eg., while standing spreading the feet in the direction of movement provide stability. Where a stance is required, using both hands and feet creates the widest base.</li> </ol>	
		<ol> <li>Body weight is directly proportional to stability: The athlete or an object which weighs more will have greater stability. eg., it is difficult to move a heavier person than a lighter one, Combative sports like, judo, wrestling, taekwondo, and boxing are played according to the bodyweight principle.</li> </ol>	
		3. Lower the Centre of gravity, higher the stability: When a player does an activity that needs stability, the player usually lowers their centre of gravity by bending. eg., when a player bends his knees while running, he can stop sooner and more efficiently. Similarly, a wrestler half sits to maintain his stability. Even a shot-put thrower bends his knees in the end so that he may avoid a foul.	
		4. The nearer the centre of gravity to the centre of the base of support the more will be the stability: If the centre of gravity extends beyond the base of support, balance is lost. Keeping the body's weight centred over the base will support and help maintain stability. eg., when a gymnast walks on a balance beam one requires a small base of support. During the performance, if the balance is lost the gymnast raises the arm or legs on the opposite sides to shift the centre of gravity back towards the base of support.	
		5. Direction of acting force: During a competition, if the direction of an acting/ applied force is known, stability can be increased by moving the line of gravity as close as possible to the edge of the base where the force is expected. eg., when in a judo match the judoka shifts his foot in the line of direction of the force applied by the opponent to use the force of the opponent as a counterforce to throw him down.	
33.	a. b. c. d.	The mission of Special Olympics is to provide year-round sports training and athletic competition in a variety of Olympic-type sports for children and adults with intellectual disabilities, giving them continuing opportunities to develop physical fitness, demonstrate courage, experience joy and participate in events "Let me win. But if I cannot win, let me be brave in the attempt." International Games for the Deaf International Silent Games" 4yrs	4

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#### For visually impaired students

#### 4.1.1 PARALYMPICS

Paralympics is a mega sports event involving athletes with a range of disabilities, and is organized by the International Paralympic Committee. The range of disabilities includes impaired muscle power (eg., paraplegia and quadriplegia, muscular dystrophy, post-polio syndrome, spina bifida), impaired passive range of movement, limb deficiency (eg., amputation or dysmelia), leg length difference, short stature, hypertonia, ataxia, athetosis, vision impairment and intellectual impairment. These disabilities are further divided into classifications which vary from sport to sport. The word Paralympics is derived from the Greek word para which means beside or alongside and Olympic. Combined, Paralympics means an international Games competition that is parallel to the Olympics. Thus, the word Paralympics refers to "a series of international contests for athletes with disabilities that are associated with and held following the summer and winter Olympic Games." There are Winter and Summer Paralympic Games, which since the 1988 Summer Games in Seoul, South Korea, are held almost immediately following the respective Olympic Games. All Paralympic Games are governed by the International Paralympic Committee (IPC).



International Paralympic Committee (IPC) was formed on 22 September 1989 and is situated in Germany. IPC organizes Summer and Winter Paralympic Games and coordinates world championships and other competitions. The vision of IPC is 'To enable Para athletes to achieve sporting excellence and inspire and excite the world."

The purpose of the criteria

h Defining the impairment group in which an athlete can compete in the various sports.

h Grouping athletes in classes defined by the degree of activity-limitation related to the impairment and/or specific to the task in the sport.

The IPC has established ten disability categories, including physical, visual, and intellectual impairment. Athletes with one of these disabilities can compete in the Paralympics though not every sport can allow for every disability category. These categories apply to both Summer and Winter Paralympics.

1. Physical Impairment – There are eight different types of physical impairment: h Impaired muscle power – With impairments in this category, the force generated by muscles, such as the muscles of one limb, one side of the body or the lower half of the body is reduced. eg., spinal cord injury, spina bifida, postpolio syndrome.

h Impaired passive range of movement – The range of movement in one or more joints is reduced in a systematic way. Acute conditions such as arthritis are not included in this category.

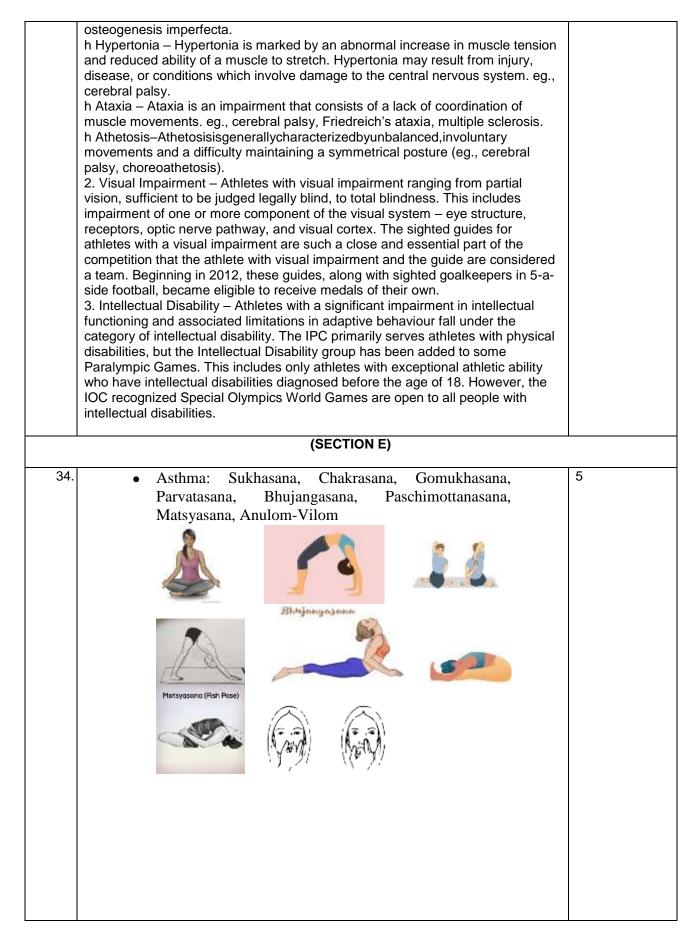
h Loss of limb or limb deficiency – A total or partial absence of bones or joints from partial or total loss due to illness, trauma, or congenital limb deficiency. eg., amputation, dysmelia.

h Leg-length difference – Significant bone shortening occurs in one leg due to congenital deficiency or trauma. Short stature – Standing height is reduced due to shortened legs, arms and trunk, which are due to a Musculo-skeletal deficit of bone or cartilage structures. eg., achondroplasia, growth hormone deficiency,

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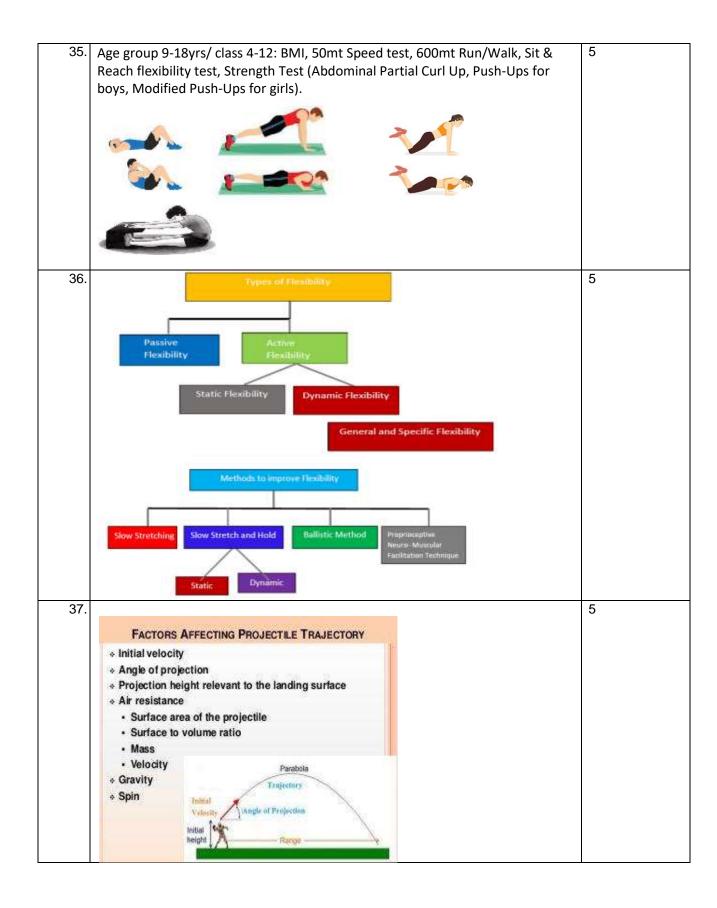




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