PHYSICAL EDUCATION (048)

Sample Question Paper Class XII (2025-26)

TIME ALLOWED: 3 HRS MAX MARKS: 70

GENERAL INSTRUCTIONS:

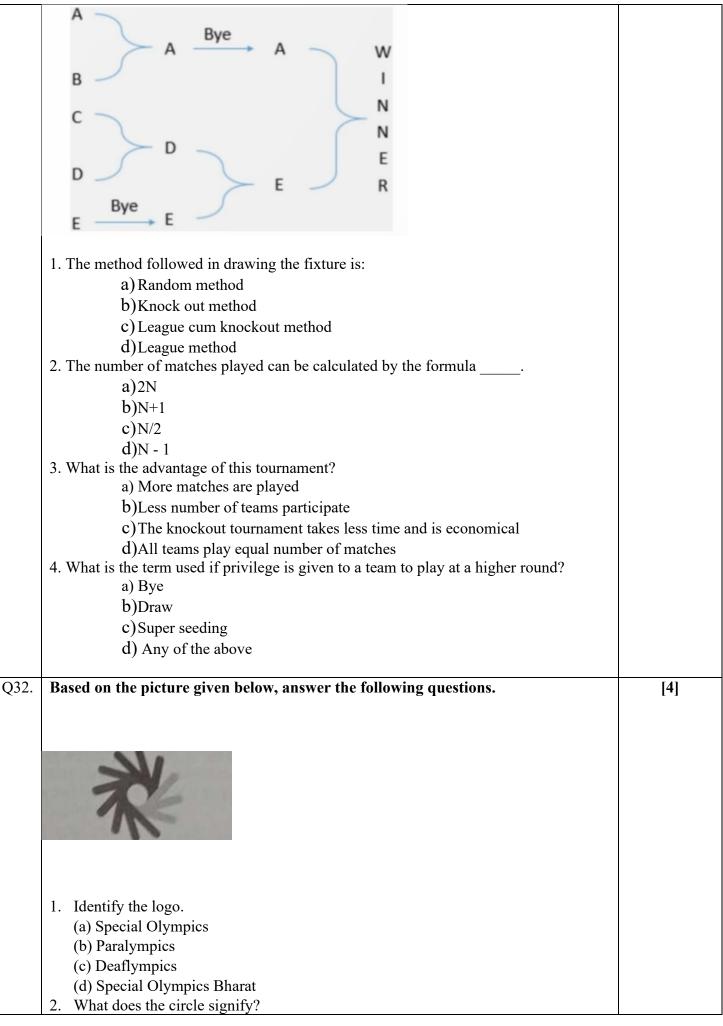
- 1. The question paper consists of 5 sections and 37 Questions.
- 2. Section A consists of question 1-18 carrying 1 mark each and is multiple choice questions. All questions are compulsory
- 3. Sections B consist of questions 19-24 carrying 2 marks each and are very short answer types and should not 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.
- 6. Section E consists of Question 34-37 carrying 5 marks each and are long answer types and should not exceed 200-300 words. Attempt any 3.

Q No.			Marks
		SECTION A	
Q1.	A tournament where every team pla matches is determined with the help of the form	ays with every other team once and the number of aula N(N-1) is called as:	[1]
	(a) knockout tournament (c) single league tournament	(b) double league tournament(d) none of these	
Q2.	correct alternatives given below: Assertion (A): Planning should be Reason (R): A tournament can be In context of the above two statemed (a) Both (A) and (R) are to (b) Both (A) and (R) are to (c) (A) is true but (R) is false but (R) is to the correct alternatives given below: (a) Both (A) and (B) are to (C) (B) is true but (B) is false but (B) is to the correct alternatives given below:	ents, which one of the following is correct? rue and (R) is the correct explanation of (A). rue and (R) is not the correct explanation of (A). alse.	[1]
Q3.	Match the following:		
	Column I	Column II	
	(a) Garun asana	(i) Flat foot	
	(b) Horse riding	(ii) Lordosis	
	(c) Rope skipping	(iii) Knock knees	[1]
	(d) Hal asana	(iv) Bow legs	
	(a) A-(iv), B-(iii), C-(i), D-(i	i)	
	(b) A-(ii), B-(iv), C-(i), D-(ii	i)	
	(c) A-(iii), B-(i), C-(iii), D-(i	v)	

	(d) A-(i), B-(ii), C-(iii), D-(iv)	
Q4.	What is nutrition?	[1]
~		[+]
	(a) Essential substances of food like proteins, fats, carbohydrates, etc.	
	(b) Consuming correct ratio of nutrients	
	(c) Dynamic process in which consumed food is digested	
	(d) Both (a) and (b)	
Q5.	Identify the yoga asana below.	[1]
	(a) Uttana Mandukasana	
	(b) Paschim tan asana	
	(c) Dhanu asana	
	(d) Hal asana	
Q6.	Which of the following is a yoga pose for treatment of obesity?	
Qu.	which of the following is a yoga pose for treatment of obesity.	
	(a) Gomulka asana	
	(b) Bhujang asana	[1]
	(c) Paschim tan asana	
	(d) Vajrayana	
Q7.	Who are the participants in Special Olympics?	
	(a) Veterans	r41
	(b) Children and adults with intellectual disabilities	[1]
	(c) Physically handicapped(d) Both (b) and (c)	
	(d) Both (b) and (c)	
Q8.	Female Athlete Triad does not include	
	(a) Amenorrhea (b) Oligomenorrhea	f11
	(c) Osteoporosis (d) Bulimia Nervosa	[1]
Q9.	Find the odd one out.	
	(a) Calcium (b) Sulfur	
	(a) Calcium (b) Sulfur (c) Potassium (d) Iron	[1]
	(c) Tombolum (u) non	

Q10.	What is the dimension of layout in Johnsen-Methney Test of Motor Educability?	
	(a) 15×3 feet c) 15×2 feet (b) 15×3 meters c) 15×2 feet (d) 15×2 meters	[1]
Q11.	Which of the following is not a short-term effect of exercise on muscular system?	
	(a) Accumulation of lactate	
	(b) Increased blood supply	[1]
	(c) Muscular hypertrophy	
	(d) Increased muscle temperature	
Q12.	Which of these is not a soft tissue injury?	
	(a) Abrasion (b) Dislocation (c) Strain (d) Incision	[1]
Q13.	Which of the following helps with ice skating?	
	(a) Rolling friction (b) Sliding friction (c) Static friction (d) Gliding friction	[1]
Q14.	Which of the following is NOT the factor effecting projectile trajectory?	
	(a) Gravity (b) Angle of release (c) Buoyant force (d) Air resistance	[1]
_	Self-talk refers to our consisting of statements we say to ourselves, either	er in
	our mind or out loud. (a) Internal thoughts (b) Internal behavior (c) Internal soul (d) Internal emotions	[1]
	Assertion (A): Aggression is part of human behavior and is necessary for an individual to live and struggle for higher achievements. Reason (R): Aggression is inevitable and inseparable in sport activities. In the context of the above two statements, which one of the following is correct? (a) (A) is false, but (R) is true. (b) (A) is true, but (R) is false. (c) Both (A) and (R) are true and (R) is the correct explanation of (A). (d) Both (A) and (R) are true, but (R) is not the correct explanation of (A).	[1]
Q17.	The method of training that involves repeated bouts of high-intensity work followed periods of rest or low-intensity activity is known as (a) Continuous Training (b) Interval Training (c) Fartlek Training (d) Circuit Training	[1]

Q18.	Which of the following is not a type of coordinative ability?	
	(a) Orientation Ability (b) Acceleration Ability (c) Grouping Ability (d) Dynamic Ability	[1]
Q19.	Differentiate between the three types of spinal deformity	[2]
Q20.	What is a balanced diet? Mention its importance also. [1+1]	[2]
Q21.	A male student performed the Harvard Step Test for 4 minutes. His pulse was recorded during the recovery periods as 58 beats in the first half-minute, 50 beats in the second, and 42 beats in the third. Using the Harvard Step Test formula, calculate his Fitness Index and state whether his score falls in the Excellent, Good, or Average category.	[1½+½] [2]
Q22.	Enlist any four types of fracture.	½ * 4 [2]
Q23.	Write a short note on Sports Psychology.	[2]
Q24.	A football player wants to improve his acceleration and quick reaction during a match. Suggest two suitable training methods and justify how each will help improve his performance.	[1+1] [2]
Q25.	League tournament is a better way to judge the best team of the tournament. Comment.	[3]
Q26.	Discuss the exercise guidelines for different age groups.	[1+1+1] [3]
Q27.	Explain strategies to make Physical Activities Accessible for CWSN.	[3]
Q28.	Discuss the importance of pre, during and post competition diet in detail.	[1+1+1 [3]
Q29.	A gymnast maintains a handstand position on the balance beam, then performs a flip. Differentiate between the types of equilibrium shown and explain how they help in performance.	[1+2] [3]
Q30.	Describe personality. Explain dimensions of personality.	[1+2] [3]
Q31.	Read the following text carefully and answer the questions that follow: Competing in physical activities has been the natural tendency of humans. The competitions or tournaments are held according to the set rules and regulations. The success of the tournament depends upon suitable fixture	[4]



	 (a) Unity (b) Ears (c) Strength (d) Iris 3. In which year was it held for the first time? (a) 2001 (b) 1924 (c) 1948 (d) 1968 4. What are the four colours in the logo? (a) Red, Yellow, Black, Blue (b) Red, Blue, Green, Yellow (c) Yellow, Black, Red, Green (d) Brown, Blue, Green, Red 	
1 2	(a) (d) (b) (b) (c) (e) (d) (a) 3. When the bone is broken into many pieces at one place or different places, it is called. (a) Oblique Fracture (b) Impacted Fracture (c) Comminuted Fracture (d) Greenstick Fracture	[4]
Vi	Question for Visually Impaired) itamins and minerals are essential nutrients which protect us from various diseases and e helpful for general development of the body. 1 is a group of 8 water-soluble vitamins which are important for cellular metabolism.:	

	a) Vitamin A b) Vitamin K c) Vitamin B d) Vitamin D	
	2 disease is caused due to lack of Vitamin B. a) Anemia b) Kwashiorkor c) Scurvy d) Beri Beri	
	3. Vitamin is important for healthy bones and teeth. a) K b) A c) D d) C	
	4. Vitamin is needed for blood clotting a) A b) D c) K d) E	
Q34.	What do you mean by Asthma. Mention its symptoms. Explain the procedure, benefits and contraindications of an asana beneficial for the patient of arthritis.	[1+2+2] [5]
	Make a table of test items listed under fitness test by SAI (Age group 9-18 yrs) Explain the Procedure and Scoring of 50 MTS Run and Partial Curl Up	[1+2+2] [5]
Q36.	What do you understand by circuit training? How will a coach plan circuit training sessions with 6 stations to develop the fitness of his new trainees? Explain.	[1+4] [5]
Q37.	What is a lever? Discuss the application of Lever in sports.	[2+3] [5]

PHYSICAL EDUCATION (048) Class XII (2025-26) Marking Scheme

TIME ALLOWED: 3 HRS

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MAX MARKS: 70

Q No.	Answer	Marks
	SECTION A	
Q1.	B. Double league tournament	1
Q2.	C. A is true, R is false	1
Q3.	A. A-(iv), B-(iii), C-(i), D-(ii)	1
Q4.	C. Dynamic process in which consumed food is digested	1
Q5.	C. Dhanur asana	1
Q6.	C. Paschimottanasana	1
Q7.	B. Children and adults with intellectual disabilities	1
Q8.	B. Oligomenorrhea	1
Q9.	D. Iron	1
Q10.	C. 15×2 feet	1
Q11.	C. Muscular hypertrophy	1
Q12.	B. Dislocation	1
Q13.	B. Sliding fiction	1
Q14.	C. Buoyant force	1
Q15.	A. Internal thoughts	1
Q16.	D. Both (A) and (R) are true but R is not the correct explanation of (A).	1
Q17.	B. Interval Training	1
Q18.	A. Orientation ability	1
	SECTION B	
Q19.	Differentiate between the three types of spinal deformity.	[1+1]
	Kyphosis	
	 Outward curvature of the thoracic spine (hunchback appearance) 	
	 Head and shoulders lean forward 	
	 Common in older adults or due to poor posture 	
	Can cause breathing issues and back pain in severe cases	
	Lordosis	
	• Excessive inward curvature of the lumbar spine (swayback)	
	Abdomen and buttocks protrude outward	
	 Often caused by weak abdominal muscles or obesity 	
	May lead to lower back discomfort and postural imbalance	
	Scoliosis	
	• Lateral (sideways) curvature of the spine in 'S' or 'C' shape	
	Uneven shoulders or hips may be visible	
	Can be congenital or develop during adolescence	
	 Severe cases may affect lung and heart function 	
	(any two)	
Q20.	What is balanced diet? Mention its importance	[2]
	Balanced Diet – Definition [1]	
	 Contains all essential nutrients in correct proportion. 	

		I
	Importance of Balanced Diet (Any 2-3 points):	
	 Provides energy 	
	 Supports growth and repay 	
	 Boosts immunity 	
	 Prevents deficiencies and diseases 	
	Maintains body functions efficiently	
Q21.	A male student performed the Harvard Step Test for 4 minutes. His pulse was recorded during the recovery periods as 58 beats in the first half-minute, 50 beats in the second, and 42 beats in the third. Using the Harvard Step Test formula, calculate his Fitness Index and state whether his score falls in the Excellent, Good, or Average category	[2]
	Formula:	
	Fitness Index = (Duration of exercise in seconds \times 100) \div (2 \times Sum of pulse	
	counts in recovery)	
	Step 1:	
	Duration = 4 minutes = 240 seconds	
	Sum of pulse = $58 + 50 + 42 = 150$ beats	
	Ston 2:	
	Step 2: Fitness Index = $(240 \times 100) \div (2 \times 150) = 24000/200 = 80$	
	Fitness Index = $(240 \times 100) \div (2 \times 150) = 24000/300 = 80$	
	Category - Good	
Q22.	Enlist any four types of fracture.	[1/2*4]
Q22.	i. Simple Fracture	[1/2 1]
	ii. Compound Fracture	
	iii. Comminuted Fracture	
	iv. Greenstick Fracture	
	v. Transverse Fracture	
	vi. Oblique Fracture	
	vii. Impacted Fracture	
	(any four)	
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Q23.	Write a short note on Self Talk.	[1/2*4]
	Sports psychology is a field that studies how psychological factors influence	
	athletic performance and participation in sports, exercise, and physical	
	activity. It examines the mental aspects of sports, including motivation, anxiety,	
	stress, and the impact of sports on well-being.	
	Key Areas of Focus: • Performance Enhancement:	
	Sports psychologists help athletes improve their performance by using	
	psychological techniques like goal setting, visualization, relaxation, and self-	
	talk.	
	Mental Health and Well-being:	
	They also address the impact of sports on an individual's mental health,	
	including issues like burnout, anxiety, and depression.	
	 Team Dynamics: 	
	Sports psychology can also help improve team dynamics and communication,	
	fostering a more positive and collaborative environment.	
	 Coaching and Training: 	
	They work with coaches to understand how to create effective training programs	
	that incorporate psychological principles.	
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	Social and Developmental Aspects: Sports psychologists study how sports participation affects an individual's social development and overall well-being. (any four)	
Q24.	A football player wants to improve his acceleration and quick reaction during a match. Suggest two suitable training methods and justify how each will help improve his performance. 1. Acceleration Sprints – Improve the player's ability to quickly reach top speed during sudden movements in a match.	[1+1]
	2. Reaction Drills – Enhance response time to game situations like passes or opponent movements.	
	SECTION C	
Q25.	League tournament is a better way to judge the best team of the tournament. Comment.	[3]
	 Equal opportunities to all the teams League matches minimize impact of luck or unexpected outcomes Judged on basis of multiple matches Ranking of basis of points earned 	
	 Less pressure on teams with compassion to knockout tournament Scope of improvement 	
Q26.	Discuss the exercise guidelines for different age groups.	[1+1+1]
	Children (Under 5 years):	
	 At least 180 minutes/day of physical activity. 	
	o Tummy time (30 mins) for infants who aren't mobile.	
	 Avoid being restrained for over 1 hour at a time. 	
	 Limit or avoid screen time, depending on age. 	
	Adolescents (5–17 years)	
	 Minimum 60 minutes/day of moderate to vigorous activity. 	
	 Include muscle and bone-strengthening exercises 3 days/week. 	
	 Prefer aerobic activities like running, swimming, cycling. 	
	 Limit screen time and reduce sedentary behavior. 	
	Senior Citizens (65+ years):	
	o 150–300 minutes/week of moderate aerobic activity.	
	 Do balance and strength exercises 2–3 days/week. 	
	 Be physically active daily; avoid long sitting hours. 	
	 Adapt intensity as per health conditions and ability. 	
Q27.	Explain strategies to make Physical Activities Accessible for CWSN.	[3]
	Strategies to Make Physical Activities Accessible for CWSN: 1. Sensory Integration – Reduce loud music, use natural lighting, and provide headphones/sunglasses.	

	 Positive Behaviour Support (PBIS) – Use picture schedules and encourage positive interactions. Team Building Activities – Focus on creative, cooperative games over competition. Accessible Surfaces – Use gym mats or level fields to support mobility and 	
	 wheelchair use. 5. Inclusive Classrooms – Educate CWSN alongside others to promote acceptance. 	
	6. Assistive Technology – Use tools like large balls, bells, or string-attached equipment.	
	 Adaptive Physical Education – Modify rules and games based on individual needs. Creative Game Focus – Use imaginative games to build confidence and 	
	reduce pressure.	
Q28.	(4 points) Discuss the importance of pre, during and post competition diet in detail.	[1+1+1]
	Pre-Competition Diet O Provides energy, prevents early fatigue, and ensures smooth digestion before performance. O Consume high-carbohydrate foods like rice, pasta, or bread for sustained energy. O Prefer easily digestible, low-fat, and non-fried meals taken 3–4 hours before the event.	
	 During Competition Diet Maintains hydration, energy, and electrolyte balance to avoid fatigue and muscle cramps. Sip on glucose-rich drinks or electrolyte solutions to maintain blood sugar and sodium levels. Include small portions of quick energy foods like banana or energy gels if needed. 	
	Post-Competition Diet Supports recovery by replenishing lost fluids and restoring glycogen levels in muscles. Eat carbohydrate-rich foods such as fruits, sandwiches, or energy bars immediately after. Rehydrate with fluids like water, juice, or sports drinks to replace lost electrolytes.	
Q29.	A gymnast maintains a handstand position on the balance beam, then performs a flip. Differentiate between the types of equilibrium shown and explain how they help in performance. a) Static equilibrium – • Shown during handstand; • Body is balanced and at rest.	[2+1]
	 b) Dynamic equilibrium – Shown during flip; Stability maintained while in motion. 	
	 Helps maintain balance, control, and fluidity during transitions and performance. 	

Q30.	Describe personality. Explain dimensions of personality.	[3]
	>Personality is the combination of physical, mental, psychological, and emotional traits that make an individual unique.	
	1. Physical Dimension	
	 Height and weight Body structure and posture Facial appearance and complexion 	
	 2. Mental Dimension Intellect and reasoning ability Decision-making power Memory and concentration 	
	 3. Psychological Dimension Emotions and mood stability Self-confidence and motivation Willpower and attitude 	
Q31.	 b) Knockout method d) N - 1 e) Knockout tournament takes less time and is economical a) Bye 	[1*4=4]
Q32.	 (c) Deaflympics (d) Iris (b) 1924 (b) Red, Blue, Green, Yellow 	[1*4=4]
Q33.	 (c) Impacted Fracture (b) (b) (c) Comminuted Fracture (d) Transverse Fracture 	[1*4=4]
	(FOR VISUALLY IMPAIRED) 1. b) Vitamin B 2. d) Beri Beri 3. c) D 4. c) K	
Q34.	What do you mean by Asthma. Mention its symptoms. Explain the procedure, benefits and contraindications of an asana beneficial for the patient of asthma. Asthma is a chronic respiratory condition where the airways become inflamed and narrow, leading to difficulty in breathing. It often triggers coughing, wheezing, shortness of breath, and chest tightness.	[1+2+2]
	Symptoms of Asthma: Difficulty in breathing Wheezing (whistling sound while breathing) Tightness in chest Frequent coughing, especially at night or early morning	

Fatigue during physical activity

Mats asana (Fish Pose)

Procedure

- 1. Lie flat on your back with legs extended and hands beside the thighs.
- 2. Place the hands underneath the hips with palms facing down.
- 3. Lift the chest upward while arching the back and tilt the head backward so that the crown touches the floor.
- 4. Hold the posture while breathing deeply and slowly.
- 5. Return to the starting position gently.

Benefits:

- **Expands** the chest and improves lung capacity.
- ❖ Helps ease respiratory issues like asthma and bronchitis.
- ❖ Stimulates the throat and opens nasal passages for easier breathing.
- Strengthens the upper back and neck muscles.
- * Reduces anxiety and stress, which can trigger asthma.

Contraindications:

- Avoid in case of serious neck or back injury.
- Not suitable for individuals with high blood pressure or migraines.
- ❖ Should be performed under guidance if suffering from spinal disorder.

Q35. Make a table of test items listed under fitness test by SAI (Age group 9-18 yrs) Explain the Procedure and Scoring of 50 MTS Run and Partial Curl Up.

[2.5+2.5]

AGE GROUP: 9-18+ YEARS | CLASS 4 to 12 For

- 1. Body Composition (BMI)
- 2. Strength
- a. Abdominal (Partial Curl-up)
- b. Muscular Endurance (Push Ups for Boys, Modified Push Ups for Girls)
- 3. Flexibility (Sit and Reach Test)
- 4. Cardiovascular Endurance (600 Meter Run/Walk)
- 5. Speed (50 mt. Dash)

50 MTR DASH (STANDING START)

Procedure: A thorough warm up should be given, including some practice starts and accelerations. Start from a stationary position, with one foot in front of the other. The front foot must be on or behind the starting line. This starting position should be static (dead start). The tester should provide hints for maximizing speed (such as keeping low, driving hard with the arms and legs) and encouraged to continue running hard through the finish line.

Scoring: Time taken for completion

	ABDOMINAL (PARTIAL CURL-UP) Procedure: The subject lies on a cushioned, flat, clean surface with knees flexed, usually at 90 degrees, with hands straight on the sides (palms facing downwards) closer to the ground, parallel to the body. The subject raises the trunk in a smooth motion, keeping the arms in position, curling up the desired amount (at least 6 inches above/along the ground towards the parallel strip). The trunk is lowered back to the floor so that the shoulder blades or upper back touch the floor. Scoring: Record the maximum number of Curl ups in a certain time period (30 seconds).	
Q36.	What do you understand by circuit training? How a coach will plan circuit training sessions with 6 stations to develop fitness of his new trainees? Explain 1. A training method where different exercises are performed in a sequence (stations) with minimal rest. 2. Each station targets a specific fitness component or muscle group. 3. Helps improve overall fitness efficiently in limited time.	[1+4]
	 6 Sample Stations (Exercises): 1. Push-ups 2. Squats 3. Skipping 4. Sit-ups 5. Shuttle runs 6. Plank hold (Or any other suitable) 	
	 Components to be Developed in New Trainees: Strength Endurance Flexibility Speed Agility Coordination (Explanation of each point along with a circuit) 	
Q37.	What is a lever? Explain the types of levers with the help of example. A Lever is a simple machine that provides mechanical advantage to magnify the force necessary to overcome a resistance. There are three types of levers Class 1 lever (see saw/ seated dumbbell triceps) Class 2 lever (pushing against the block in sprint start/ calf raises) Class 3 lever (fishing rod/ leg extensions) (each type to be explain with help of examples)	[1+3+1]