

Series EF1GH



SET~4

रोल नं. Roll No. प्रश्न-पत्र कोड Q.P. Code

परीक्षार्थी प्रश्न-पत्र कोड को उत्तर-पुस्तिका के मुख-पृष्ठ पर अवश्य लिखें।

Candidates must write the Q.P. Code on the title page of the answer-book.

शारीरिक शिक्षा (सैद्धान्तिक)

PHYSICAL EDUCATION (Theory)

Time allowed : 3 hours Maximum Marks : 70

नोट / NOTE :

- (i) कृपया जाँच कर लें कि इस प्रश्न-पत्र में मुद्रित पृष्ठ 15 हैं।
 Please check that this question paper contains 15 printed pages.
- (ii) प्रश्न-पत्र में दाहिने हाथ की ओर दिए गए प्रश्न-पत्र कोड को परीक्षार्थी उत्तर-पुस्तिका के मुख-पृष्ठ पर लिखें।
 - Q.P. Code given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- (iii) कृपया जाँच कर लें कि इस प्रश्न-पत्र में 37 प्रश्न हैं। Please check that this question paper contains 37 questions.
- (iv) कृपया प्रश्न का उत्तर लिखना शुरू करने से पहले, उत्तर-पुस्तिका में प्रश्न का क्रमांक अवश्य लिखें।
 Please write down the serial number of the question in the answerbook before attempting it.
- (v) इस प्रश्न-पत्र को पढ़ने के लिए 15 मिनट का समय दिया गया है। प्रश्न-पत्र का वितरण पूर्वाह्न में 10.15 बजे किया जाएगा। 10.15 बजे से 10.30 बजे तक परीक्षार्थी केवल प्रश्न-पत्र को पढ़ेंगे और इस अविध के दौरान वे उत्तर-पुस्तिका पर कोई उत्तर नहीं लिखेंगे।

15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the candidates will read the question paper only and will not write any answer on the answer-book during this period.



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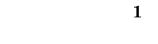
### सामान्य निर्देश:

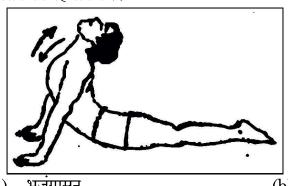
- (i) प्रश्न-पत्र में **पाँच** खण्ड हैं तथा 37 प्रश्न हैं।
- (ii) **खण्ड-अ** में प्रत्येक 1 अंक वाले 1-18 बहुविकल्पी प्रश्न हैं। **सभी** प्रश्न अनिवार्य हैं।
- (iii) **खण्ड-ब** में 19-24 तक अति लघु-उत्तरीय प्रकार के प्रश्न हैं, जिसमें से 5 प्रश्न करने हैं। प्रत्येक प्रश्न 2 अंक का है और 60-90 शब्दों में होना चाहिए।
- (iv) **खण्ड-स** में 25-30 तक लघु-उत्तरीय प्रकार के प्रश्न हैं, जिसमें से 5 प्रश्न करने हैं। प्रत्येक प्रश्न 3 अंक का है और 100-150 शब्दों में होना चाहिए।
- (v) **खण्ड-द** में 31-33 प्रकरण अध्ययन प्रश्न हैं । प्रत्येक प्रश्न 4 अंक का है । आन्तरिक विकल्प उपलब्ध है ।
- (vi) **खण्ड-य** में 34-37 दीर्घ-उत्तरीय प्रश्न हैं, जिसमें से 3 प्रश्न करने हैं। प्रत्येक प्रश्न 5 अंक का है और 200-300 शब्दों से अधिक नहीं होना चाहिए।

### खण्ड - अ

# (सभी प्रश्न अनिवार्य हैं)

1. आसन की पहचान करें :





(a) भुजगासन

वज्रासन

(c)

(b) हलासन

(d) धनुरासन

(दृष्टिबाधित छात्रों के लिए प्रश्न)

की मुद्रा कोबरा के समान है।

(a) भुजंगासन

(b) धन्रासन

(c) वज्रासन

(d) अर्धमत्स्येन्द्रासन

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### **General Instructions:**

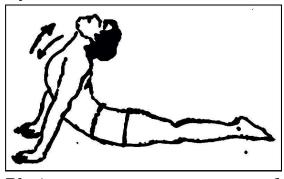
- (i) The question paper consists of 5 sections and 37 questions.
- (ii) Section-A consists of question 1-18 carrying 1 mark each and is multiple choice questions. All questions are compulsory.
- (iii) Section-B consists of question 19-24 carrying 2 marks each and are Very Short Answer Types and should not exceed 60-90 words. Attempt any 5.
- (iv) **Section-C** consists of question **25-30** carrying **3** marks each and are Short Answer Types and should not exceed **100-150** words. Attempt any **5**.
- (v) **Section-D** consists of question **31-33** carrying **4** marks each and are case studies. There is internal choice available.
- (vi) **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**.

### SECTION - A

# (All Questions are compulsory)

1. Identify the Asana:





(a) Bhujangasana

(b) Halasana

(c) Vajrasana

(d) Dhanurasana

(Question for Visually Impaired candidates)

pose is like cobra.

(a) Bhujangasana

(b) Dhanurasana

(c) Vajrasana

(d) Ardhmatsyendrasana

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| 2.        | उदास    | ी, भावनात्मक अस्थिरता और मनोदशा का                                               | बदलना   | । जैसे लक्षण से संबंधित हैं ।                   | 1 |  |  |  |
|-----------|---------|----------------------------------------------------------------------------------|---------|-------------------------------------------------|---|--|--|--|
|           | (a)     | बहिर्मुखता                                                                       | (b)     | सहमतता                                          |   |  |  |  |
|           | (c)     | कर्तव्यनिष्ठता                                                                   | (d)     | मनोविक्षुब्धता                                  |   |  |  |  |
| 3.        | निम्न   | में से कौन सा, प्रक्षेप्य पथ को प्रभावित करने                                    | ने वाला | कारक <mark>नहीं</mark> है ?                     | 1 |  |  |  |
|           | (a)     | गुरुत्वाकर्षण                                                                    | (b)     | फेंकने का कोण                                   |   |  |  |  |
|           | (c)     | उत्प्लावक बल                                                                     | (d)     | वायु-प्रतिरोध                                   |   |  |  |  |
| 4.        | निम्न   | लिखित में से कौन सा लोच निर्धारित करने व                                         | गला क   | ारक <b>नहीं</b> है ?                            | 1 |  |  |  |
|           | (a)     | जोड़ों की संरचना                                                                 | (b)     | पिछली चोट                                       |   |  |  |  |
|           | (c)     | फेफड़ों की क्षमता                                                                | (d)     | आयु व लिंग                                      |   |  |  |  |
| 5.        | फार्टर  | नेक ट्रेनिंग का प्रयोग को विकसित                                                 | करने वे | ह लिए किया जाता है ।                            | 1 |  |  |  |
|           | (a)     | सहन-क्षमता                                                                       | (b)     | शक्ति                                           |   |  |  |  |
|           | (c)     | लचक                                                                              | (d)     | गति                                             |   |  |  |  |
| 6.        | जूडो    | जूडो और कुश्ती जैसे खेलों में किस प्रकार की समन्वय-योग्यता की आवश्यकता होती है ? |         |                                                 |   |  |  |  |
|           | (a)     | अनुस्थापन योग्यता                                                                | (b)     | युग्मन योग्यता                                  |   |  |  |  |
|           | (c)     | अनुकूलन योग्यता                                                                  | (d)     | विभेदन योग्यता                                  |   |  |  |  |
| 7.        |         | की उच्च सांद्रता को सहन करने की                                                  | योग्यत  | ा, सहनक्षमता प्रदर्शन में सुधार करने में मदद कर |   |  |  |  |
|           | सकत     | ी है ।                                                                           |         |                                                 | 1 |  |  |  |
|           | (a)     | लैक्टिक अम्ल                                                                     | (b)     | हाइड्रोक्लोरिक अम्ल                             |   |  |  |  |
|           | (c)     | सिरका (ऐसीटिक) अम्ल                                                              | (d)     | गंधक अम्ल                                       |   |  |  |  |
| 8.        | गुरुत्व | । केंद्र, किसी वस्तु के की औस                                                    | त स्थि  | ते होती है ।                                    | 1 |  |  |  |
|           | (a)     | भार                                                                              | (b)     | बल                                              |   |  |  |  |
|           | (c)     | प्रतिरोध                                                                         | (d)     | वेग                                             |   |  |  |  |
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| 2. | Tra  | Traits like sadness, mood swings and emotional instability are related                       |                 |                         |   |  |  |  |  |
|----|------|----------------------------------------------------------------------------------------------|-----------------|-------------------------|---|--|--|--|--|
|    | with |                                                                                              |                 |                         |   |  |  |  |  |
|    | (a)  | Extroversion                                                                                 | (b)             | Agreeableness           |   |  |  |  |  |
|    | (c)  | Conscientiousness                                                                            | (d)             | Neuroticism             |   |  |  |  |  |
| 3. | Wh   | Which of the following is <u>NOT</u> the factor affecting projectile trajectory?             |                 |                         |   |  |  |  |  |
|    | (a)  | Gravity                                                                                      | (b)             | Angle of Release        |   |  |  |  |  |
|    | (c)  | Buoyant Force                                                                                | (d)             | Air Resistance          |   |  |  |  |  |
| 4. | Wh   | ich of the following factors, doe                                                            | es <u>NOT</u> d | letermine flexibility ? | - |  |  |  |  |
|    | (a)  | Joint Structure                                                                              | (b)             | Previous Injury         |   |  |  |  |  |
|    | (c)  | Efficiency of Lungs                                                                          | (d)             | Age and Gender          |   |  |  |  |  |
| 5. | Far  | Fartlek Training is used to develop                                                          |                 |                         |   |  |  |  |  |
|    | (a)  | Endurance                                                                                    | (b)             | Strength                |   |  |  |  |  |
|    | (c)  | Flexibility                                                                                  | (d)             | Speed                   |   |  |  |  |  |
| 6. |      | Which type of coordinative ability is required in games like judo and wrestling?             |                 |                         |   |  |  |  |  |
|    | (a)  | Orientation ability                                                                          | (b)             | Coupling ability        |   |  |  |  |  |
|    | (c)  | Adaptation ability                                                                           | (d)             | Differentiation ability |   |  |  |  |  |
| 7. |      | The ability to tolerate higher concentration of can help in improving endurance performance. |                 |                         |   |  |  |  |  |
|    | (a)  | Lactic acid                                                                                  | (b)             | Hydrochloric acid       |   |  |  |  |  |
|    | (c)  | Acetic acid                                                                                  | (d)             | Sulphuric acid          |   |  |  |  |  |
| 8. | Cen  | atre of Gravity is the average lo                                                            | ocation o       | of an object's          | - |  |  |  |  |
|    | (a)  | Weight                                                                                       | (b)             | Force                   |   |  |  |  |  |
|    | (c)  | Resistance                                                                                   | (d)             | Velocity                |   |  |  |  |  |

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|-----------|-------|-----------------------------------------------|---------------|------------------------------------------------|---|
|           | (c)   | लीग टूर्नामेंट                                | (d)           | चैलेंज टूर्नामेंट                              |   |
|           | (a)   | एलिमिनेशन टूर्नामेंट                          | (b)           | राउंड-रॉबिन टूर्नामेंट                         |   |
| 14.       | नॉक-  | -आउट टूर्नामेंट को निम्नलिखित नाम से भी       | जाना ज        | गता है –                                       | 1 |
|           | (c)   | 20                                            | (d)           | 16                                             |   |
|           | (a)   | 18                                            | (q)           | 17<br>16                                       |   |
| 13.       |       | ीमों के नॉक-आउट फिक्स्चर में कुल कितने<br>    |               |                                                | 1 |
| 10        | 10 =  |                                               | · <del></del> | <del>) }**}</del>                              | - |
|           | (c)   | पर्वतासन                                      | (d)           | भुजंगासन                                       |   |
|           | (a)   | ताड़ासन                                       | (b)           | —<br>धनुरासन                                   |   |
| 12.       | निम्न | लिखित में से कौन सा आसन, दमा को ठीक           | करने वे       | के लिए प्रयोग <mark>नहीं</mark> किया जाता है ? | 1 |
|           | (c)   | विटामिन 'ए' और 'ई'                            | (d)           | विटामिन 'ए' और 'सी'                            |   |
|           | (a)   | विटामिन 'डी' और 'के'                          | ` ′           | विटामिन 'बी' और 'सी'                           |   |
| 11.       |       | लिखित में से कौन से जल में घुलनशील विट        |               |                                                | 1 |
|           |       |                                               |               |                                                |   |
|           | (c)   | कोशिका की मरम्मत करना                         | (d)           | बीमारी से बचाव                                 |   |
|           | (a)   | शरीर के तापमान को नियंत्रित करना              | (b)           | ऊर्जा देना                                     |   |
| 10.       | मानव  | । शरीर में जल की भूमिका है।                   |               |                                                | 1 |
|           | (d)   | (A) असत्य है, लेकिन (R) सत्य है।              |               |                                                |   |
|           | (c)   | (A) सत्य है, लेकिन (R) असत्य है।              |               |                                                |   |
|           | (b)   | दोनों (A) और (R) सत्य हैं, लेकिन (R),         | (A) व         | <b>ी सही</b> व्याख्या नहीं है ।                |   |
|           | (a)   | दोनों (A) और (R) सत्य हैं, और (R), (A         | A) की         | सही व्याख्या है ।                              |   |
|           | उपरो  | क्त दो कथनों के संदर्भ में, निम्नलिखित में से | कौन स         | ना एक सही है ?                                 |   |
|           | कारण  | <b>। (R) :</b> आक्रामकता खेल गतिविधियों में 3 | भपरिहा        | र्य और अविभाज्य है।                            |   |
|           | उपल   | ब्धियों के लिए संघर्ष करने के लिए आवश्यव      | क है ।        |                                                |   |
|           | अभि   | <b>कथन (A) :</b> आक्रामकता मानव व्यवहार       | का हि         | स्सा है और एक व्यक्ति के लिए जीने और उच्च      |   |
| 9.        |       | दो कथनों को अभिकथन (A) और कारण (              | R) नाम        | । दिया गया है ।                                | 1 |
|           | m     |                                               |               |                                                |   |



| <b>9</b> . |                                                                                                                                              | en below are the two statement         | s labelle                                 | d Assertion (A) and Reason (R).  | 1   |  |  |  |  |  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------|----------------------------------|-----|--|--|--|--|--|
|            | <b>Assertion (A):</b> Aggression is part of human behaviour and is necessary for an individual to live and struggle for higher achievements. |                                        |                                           |                                  |     |  |  |  |  |  |
|            | Rea                                                                                                                                          |                                        |                                           | inseparable in sport activities. |     |  |  |  |  |  |
|            | In t                                                                                                                                         | he context of the above two st         | atement                                   | s, which one of the following is |     |  |  |  |  |  |
|            | correct?                                                                                                                                     |                                        |                                           |                                  |     |  |  |  |  |  |
|            | (a)                                                                                                                                          | Both (A) and (R) are true and          | (R) is th                                 | ne 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.         |                                           |                                  |     |  |  |  |  |  |
| 10.        | Role                                                                                                                                         | e of water in human body is to         |                                           | _                                | 1   |  |  |  |  |  |
|            | (a)                                                                                                                                          | regulate body temperature              | (b)                                       | give energy                      |     |  |  |  |  |  |
|            | (c)                                                                                                                                          | repair cell                            | (d)                                       | protect from disease             |     |  |  |  |  |  |
| 11.        | Whi                                                                                                                                          | ch of the following are water se       | the following are water soluble vitamins? |                                  |     |  |  |  |  |  |
|            | (a)                                                                                                                                          | Vitamin D & K                          | (b)                                       | Vitamin B & C                    |     |  |  |  |  |  |
|            | (c)                                                                                                                                          | Vitamin A & E                          | (d)                                       | Vitamin A & C                    |     |  |  |  |  |  |
| 12.        | Whi                                                                                                                                          | ch of the following asana is <u>NC</u> | <u>OT</u> used                            | to cure Asthma ?                 | 1   |  |  |  |  |  |
|            | (a)                                                                                                                                          | Tadasana                               | (b)                                       | Dhanurasana                      |     |  |  |  |  |  |
|            | (c)                                                                                                                                          | Parvatasana                            | (d)                                       | Bhujangasana                     |     |  |  |  |  |  |
| 13.        | How many total matches will be played in a knock-out fixture of 19 teams?                                                                    |                                        |                                           |                                  |     |  |  |  |  |  |
|            | (a)                                                                                                                                          | 18                                     | (b)                                       | 17                               |     |  |  |  |  |  |
|            | (c)                                                                                                                                          | 20                                     | (d)                                       | 16                               |     |  |  |  |  |  |
| 14.        | Kno                                                                                                                                          | ck-out tournament is also know         | wn as                                     |                                  | 1   |  |  |  |  |  |
|            | (a)                                                                                                                                          | Elimination tournament                 | (b)                                       | Round-robin tournament           |     |  |  |  |  |  |
|            | (c)                                                                                                                                          | League tournament                      | (d)                                       | Challenge tournament             |     |  |  |  |  |  |
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| הניושו    | ਜ                               |               |                      |         |                                        |                                  |                                              |   |
|-----------|---------------------------------|---------------|----------------------|---------|----------------------------------------|----------------------------------|----------------------------------------------|---|
| 15.       | प्रथम                           | डेफलिम्पि     | क खेलों का           | आयोज    | न वर्ष                                 |                                  | _ में किया गया था।                           | 1 |
|           | (a)                             | 1896          |                      |         |                                        | (b)                              | 1960                                         |   |
|           | (c)                             | 1924          |                      |         |                                        | (d)                              | 1951                                         |   |
| 16.       | निम्नी                          | लेखित का      | मिलान की             | जेए :   |                                        |                                  |                                              | 1 |
| 10.       |                                 |               | •                    |         |                                        | सूची –                           | п                                            | _ |
|           | т                               | _             | .''<br>/ जेनु वैल्गम |         |                                        |                                  |                                              |   |
|           |                                 |               | _                    |         |                                        |                                  | खड़े होने पर घुटनों के बीच फासला होना        |   |
|           |                                 | - •           |                      |         |                                        |                                  | की स्थिति में घुटनों का आपस में स्पर्श होना। |   |
|           |                                 | •             |                      |         |                                        |                                  | अंतरस्थ वक्रता                               |   |
|           |                                 | •             |                      |         |                                        | ઇટ્ટા જાા√                       | अतरस्य वक्रता                                |   |
|           | ।नम्न                           |               | विकल्प का च्         | _       |                                        |                                  |                                              |   |
|           | (a)                             | I             | II                   | III     | IV                                     |                                  |                                              |   |
|           | (a)<br>(b)                      | ა<br>1        | 1                    | 4       | 2<br>9                                 |                                  |                                              |   |
|           | (c)                             | 4             | $\frac{3}{2}$        | 1       | 3                                      |                                  |                                              |   |
|           | (d)                             | 2             | 3                    | 4       | 1                                      |                                  |                                              |   |
| 17.       | निम्नी                          | लेखित का      | मिलान कीरि           | जेए :   |                                        |                                  |                                              | 1 |
|           |                                 |               | वी – I               | •       |                                        | सूची –                           | II                                           |   |
|           | I.                              |               | •                    | 1.      | लड़कों की ऊपरी शरीर की शक्ति-सहनक्षमता |                                  |                                              |   |
|           |                                 | पुश-अप        |                      |         |                                        |                                  | ने की गति व समन्वय                           |   |
|           |                                 | •             |                      |         |                                        |                                  | ारी शरीर की शक्ति-सहनक्षमता                  |   |
|           |                                 |               | पुश अप               |         |                                        |                                  | <b>、</b>                                     |   |
|           |                                 |               | उ<br>विकल्प का च्    |         |                                        |                                  |                                              |   |
|           |                                 | Ι             | II                   | III     | IV                                     |                                  |                                              |   |
|           | (a)                             | $\frac{1}{2}$ | 1                    | 4       | 3                                      |                                  |                                              |   |
|           | (b)                             |               | 3                    |         | 4                                      |                                  |                                              |   |
|           | (c)                             | 1             | 3                    | 2       | 4                                      |                                  |                                              |   |
|           | (d)                             | 2             | 3                    | 4       | 1                                      |                                  |                                              |   |
| 18.       | मेनार्व                         | र्जी का संबंध | Ι                    | से है   | . 1                                    |                                  |                                              | 1 |
|           | (a) महिलाओं में मासिक धर्म की र |               |                      | समाप्ति | (b)                                    | महिलाओं में मासिक धर्म की शुरुआत |                                              |   |
|           | (c)                             | गर्भावस्थ     | ा का समय             |         |                                        | (d)                              | मेरुदण्ड विकार                               |   |
| <b>75</b> |                                 | ~             | ~~~                  |         |                                        | Pag                              | e 8                                          |   |

| <b>-</b> - |
|------------|

| <b>75</b> |             | ^        | ~~~                    | J             |               | Page 9 P.7                                                    | T.O. |  |
|-----------|-------------|----------|------------------------|---------------|---------------|---------------------------------------------------------------|------|--|
|           | (d)         |          | deform:                | <del>-</del>  |               |                                                               |      |  |
|           | (b)<br>(c)  | _        | ning of n<br>of pregna |               | uai pe        | eriod in women                                                |      |  |
|           | (a)         |          | _                      |               | _             | d in women                                                    |      |  |
| 18.       |             |          | s related              |               |               | 1.                                                            | 1    |  |
|           |             |          |                        |               | 1             |                                                               |      |  |
|           | (c)<br>(d)  | $1 \\ 2$ | 3<br>3                 | $rac{2}{4}$  | 4 $1$         |                                                               |      |  |
|           | (b)         | 2        | 3                      | $\frac{1}{2}$ | 4             |                                                               |      |  |
|           | (a)         | 2        | 1                      | 4             | 3             |                                                               |      |  |
|           |             | I        | II                     | III           | IV            |                                                               |      |  |
|           | Cho         |          |                        | _             |               | the following:                                                |      |  |
|           |             |          | fied pus               | _             | 4.            | Abdominal strength                                            |      |  |
|           | III.        |          | al Curl ı              | -             | 3.            | Upper body strength endurance of girls                        |      |  |
|           | II.         | Push-    | -                      |               | 2.            | Speed and coordination of limb movement                       |      |  |
|           | I.          | Plate    | Tapping                | g Test        | 1.            | Upper body strength endurance of boys                         |      |  |
|           | List – I    |          |                        |               | List – II     |                                                               |      |  |
| 17.       | Mate        | ch the f | collowing              | g :           |               |                                                               | 1    |  |
|           | (d)         | 2        | 3                      | 4             | 1             |                                                               |      |  |
|           | (c)         | 4        | 2                      | 1             | 3             |                                                               |      |  |
|           | (b)         | 1        | 3                      | 4             | $\frac{2}{2}$ |                                                               |      |  |
|           | (a)         | 3        | 1                      | 4             | 2             |                                                               |      |  |
|           | CHO         | I        | II                     | III           | IV<br>IV      |                                                               |      |  |
|           |             |          | _                      | ontion        |               | Inward curvature of the spine the following :                 |      |  |
|           | <b>TX</b> 7 | Bow 1    | l o or a               |               | 4.            | standing position.                                            |      |  |
|           | III.        | Lordo    | osis                   |               | 3.            | standing with feet together  Knees touch each other in normal |      |  |
|           | II.         | Kyph     | _                      | 1             | 2.            | Wide gap between the knees when                               |      |  |
|           | I.          |          | k Knee /<br>Valgun     |               | 1.            | Increase exaggeration of backward curve                       |      |  |
|           |             |          | st – I                 | 9             |               | List – II                                                     |      |  |
| 16.       | Mate        | ch the f | collowing              | g:            |               |                                                               | 1    |  |
|           | (c)         | 1924     |                        |               |               | (d) 1951                                                      |      |  |
|           | (a)         | 1896     |                        |               |               | (b) 1960                                                      |      |  |
| 15.       | First       | Deafly   | ympic G                | ames v        | vas or        | ganized in the year                                           | 1    |  |
| 画際        | Š           |          |                        |               |               |                                                               |      |  |



# खण्ड – ब (किन्हीं पाँच प्रश्नों के उत्तर दें)

| 19.       | सहनक्षमता को निर्धारित करने वाले किन्हीं दो कारकों का संक्षिप्त वर्णन करें।                                                                                              | 1+1               |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 20.       | "लक्ष्य निर्धारण" से आप क्या समझते हैं ?                                                                                                                                 | 2                 |
| 21.       | लोच को परिभाषित कीजिए और इसके प्रकारों की सूची बनाइये ।                                                                                                                  | 1+1               |
| 22.       | अस्थिभंग के किन्हीं चार प्रकारों को स्पष्ट कीजिए।                                                                                                                        | 2                 |
| 23.       | बी.एम.आई. क्या है ? एक बालक की बी.एम.आई. की गणना कीजिए जिसका वजन $72$ किलो जिम्बाई $1.68$ मीटर है।                                                                       | और<br>1+1         |
| 24.       | बृहत् व सूक्ष्म पोषक तत्त्वों के बीच अंतर स्पष्ट कीजिए।                                                                                                                  | 2                 |
| 25.       | खण्ड — स (किन्हीं पाँच प्रश्नों के उत्तर दें) "शारीरिक गतिविधियों में भागीदारी विशेष आवश्यकता वाले बच्चों के लिए लाभदायक है।" किन्हीं<br>लाभों का संक्षिप्त विवरण दीजिए। | ্ <sub></sub> छ:  |
| 26.       | विटामिन 'डी' एवं विटामिन 'के' के कार्यों को लिखिए और उनके स्रोतों का उल्लेख कीजिए।                                                                                       | 1.5+1.5           |
| 27.       | किसी खेल कार्यक्रम के आयोजन में निर्देशन व नियंत्रण के कार्यों का संक्षिप्त वर्णन कीजिए।                                                                                 | 1.5+1.5           |
| 28.       | हम आत्म-चर्चा और आत्म-सम्मान की मदद से खेल प्रदर्शन को कैसे बढ़ा सकते हैं ? वर्णन कीजिए।                                                                                 | 1.5+1.5           |
| 29.       | व्यायाम के मांसपेशीय-संस्थान पर पड़ने वाले किन्हीं छः प्रभावों को स्पष्ट कीजिए।                                                                                          | 3                 |
| 30.       | गोल कंधों की विकृति से आपका क्या अभिप्राय है ? गोल कंधों को ठीक करने के लिए किन्हीं सुधारात्मक उपायों का सुझाव दीजिए।                                                    | चार<br><b>1+2</b> |
| <b>75</b> | ∼∼∼ Page 10                                                                                                                                                              |                   |

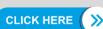


# SECTION - B

# (Attempt any 5 questions)

| 19. | Briefly explain any two factors determining endurance.                                                                                                | 1+1  |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 20. | What do you understand by "Goal Setting" ?                                                                                                            | 2    |
| 21. | Define Flexibility and list down its types.                                                                                                           | 1+1  |
| 22. | Elucidate any four types of fractures.                                                                                                                | 2    |
| 23. | What is BMI ? Calculate BMI of a child whose weight is $72~\mathrm{kg}$ and height $1.68~\mathrm{mt}.$                                                | 1+1  |
| 24. | Differentiate between Macro and Micro Nutrients.                                                                                                      | 2    |
|     | SECTION – C                                                                                                                                           |      |
| 25. | (Attempt any 5 questions)  "Participation in physical activities is advantageous for children with special need." Briefly explain any six advantages. | 3    |
| 26. | Write the functions of Vitamin D and Vitamin K and mention their sources.                                                                             | -1.5 |
| 27. | Briefly explain the functions of Directing and Controlling to organize sports event.                                                                  | -1.5 |
| 28. | How can we enhance the sports performance with the help of self-talk and self-esteem? Explain.  1.5                                                   | -1.5 |
| 29. | Elucidate any six effects of exercise on muscular system.                                                                                             | 3    |
| 30. | What do you understand by Round shoulders deformity? Suggest any four corrective measures for round shoulders.                                        | 1+2  |

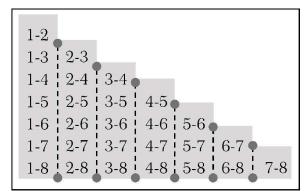
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# खण्ड – द (आंतरिक विकल्प उपलब्ध हैं)

31.



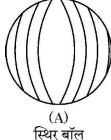
उपरोक्त फिक्सचर के आधार पर, निम्न प्रश्नों के उत्तर दीजिए :

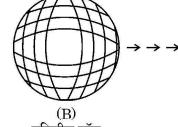
4

- (a) लीग टूर्नामेंट में फिक्सचर बनाने के लिए चित्र में कौन सी विधि दिखाई गई है ?
- (b) मैचों की संख्या ज्ञात करने का सूत्र क्या है ?
- (c) लीग या राउंड-रॉबिन प्रतियोगिता में विजेता का निर्णय \_\_\_\_ के आधार पर होगा।
- (d) यदि एक लीग प्रतियोगिता में 7 टीमें हिस्सा ले रही हैं, तो खेले जाने वाले मैचों की संख्या \_\_\_ होगी। (दृष्टिबाधित छात्रों के लिए प्रश्न)

खेल आयोजन के लिए आवश्यक किन्हीं 4 समितियों के उत्तरदायित्वों की व्याख्या कीजिए।

32. नीचे दिए गए चित्रों का अध्ययन करें:





स्थिर बॉल गतिशील बॉल पुरासे नाम के आधार पर नियम पुरासे के उना व

उपरोक्त अध्ययन और अपने ज्ञान के आधार पर निम्न प्रश्नों के उत्तर दीजिए :

4

- (a) दर्शाये गए चित्र (A) में गेंद को गतिमान बनाने के लिए, गति के किस नियम का प्रयोग किया जाएगा ?
- (b) चित्र (B) में गेंद को धीमा करने के लिए कौन सा बल कार्य कर रहा है ?
- (c) गति का कौन सा नियम बाउंस की गुणवत्ता को निर्धारित करता है ?
- (d) किसी वस्तु का \_\_\_\_ प्रत्यक्ष रूप से वस्तु के द्रव्यमान तथा उस पर लगाए गए शुद्ध बल पर निर्भर करता है।

या

"जब क्रिकेट बाल एक निश्चित वेग से चलती है तो खिलाड़ी को गेंद को अपने हाथों में आराम से लाने के लिए मंदक बल लगाना पड़ता है।" इस उदाहरण में न्यूटन के किस नियम का प्रयोग किया गया है।

# (दृष्टिबाधित छात्रों के लिए प्रश्न)

खेलों के उचित उदाहरण देते हुए, न्यूटन के किन्हीं दो गति के नियमों का विस्तृत वर्णन कीजिए।

75 ~~~

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### SECTION – D (Internal choices available)

31.

| 1-2 |     |     |     |     |       |     |
|-----|-----|-----|-----|-----|-------|-----|
| 1-3 | 2-3 |     |     |     |       |     |
| 1-4 | 2-4 | 3-4 |     |     |       |     |
| 1-5 | 2-5 | 3-5 | 4-5 |     |       |     |
| 1-6 | 2-6 | 3-6 | 4-6 | 5-6 |       |     |
| 1-7 | 2-7 | 3-7 | 4-7 | 5-7 | 6-7 € | )   |
| 1-8 | 2-8 | 3-8 | 4-8 | 5-8 | 6-8   | 7-8 |
| 1-8 | 2-8 | 3-8 | 4-8 | 5-8 | 6-8   | 7-8 |

On the basis of above fixture, answer the following questions:

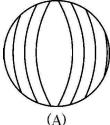
4

- (a) Which method is shown in the picture to draw fixture in league tournament?
- (b) What is the formula to calculate number of matches?
- (c) In league or Round Robin Tournament winner will be decided on the basis of
- (d) If 7 teams participate in a league Tournament, \_\_\_\_\_ number of matches will be played.

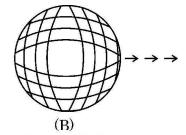
### (For Visually Impaired Candidates)

Explain the responsibilities of any four committees required to organize a sports event.

32. Study the pictures given below:



Stationary Ball



Moving Ball

Based on your above study and your knowledge, answer the following questions:

(a) Which law of motion will be applied to initiate motion of the ball as

- depicted in the illustration (A)?
- (b) In illustration (B) which force is acting upon the ball to slow it down?
- (c) Which law of motion will determine the quality of bounce?
- (d) \_\_\_\_ of an object directly depends upon the mass of the object and net force applied on it.

#### OR

"When a cricket ball is moving with a certain velocity, the player has to apply retarding force to bring the ball at rest in his hands." Which Newton's Law is applied in this illustration?

# (For Visually Impaired Candidates)

By giving suitable examples from sports, explain any two Newton's Laws of Motion in detail.

**75** 

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P.T.O.





33. चित्र से सम्बन्धित निम्न प्रश्नों के उत्तर दीजिए :

	*	
(A)	(B)	(C)

- (a) चित्र ____ में दर्शाए गए प्रतीक चिह्न का सम्बन्ध विशेष ओलम्पिक से है।
- (b) विशेष-ओलम्पिक का संस्थापक कौन था ?
- (c) चित्र (B) के अनुसार हाथों के 'ओके', 'गुड' और 'ग्रेट' के आकार जो वृत्त में एक-दूसरे पर परस्पर व्याप्त होते हैं, _____ के लिए मूल चिह्न का प्रतिनिधित्व करते हैं।
- (d) रोम में 1960 में प्रथम पैरालंपिक खेलों में कितने देशों ने हिस्सा लिया था ?

या

पैरालंपिक खेलों का आदर्श-वाक्य है

(दृष्टिबाधित छात्रों के लिए प्रश्न)

विशेष आवश्यकता वाले बच्चों के लिए शारीरिक गतिविधियों को सुगम बनाने के लिए किन्हीं चार रणनीतियों की व्याख्या कीजिए।

खण्ड - य

(किन्हीं तीन प्रश्नों के उत्तर दें)

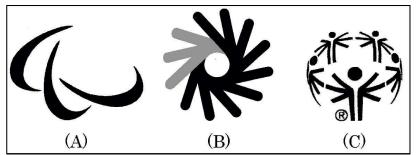
- 34. उच्च रक्तचाप की रोकथाम के लिए उपयोग किए जाने वाले किन्हीं चार आसनों की सूची बनाइए। छड़ी आरेख की सहायता से इनमें से किसी एक की प्रक्रिया तथा विपरीत संकेतों का वर्णन कीजिए। 1+4
- 35. 'रिकली एण्ड जोन्स' फिटनेस परीक्षण का क्या उद्देश्य है ? इसकी किन्हीं दो परीक्षण मदों की प्रक्रिया का विस्तार से वर्णन करें।
- 36. शक्ति को परिभाषित कीजिए तथा उसे विकसित करने की किन्हीं दो विधियों का वर्णन कीजिए। 1+4
- 37. घर्षण क्या है ? खेलों से उपयुक्त उदाहरण देते हुए घर्षण के लाभ तथा हानियाँ लिखिए। 1+4

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33. In relation to the pictures, answer the following questions:



(a)	Logo shown in picto	ure refers	to S	Special	Olyn	nnic
(a)	Logo shown in picu	urerelers	M V	peciai	Otyn	սթւշ.

- (b) Who was the founder of Special Olympics?
- (c) According to figure 'B', the hand shapes of 'OK', 'Good' and 'Great' that overlap each other in a circle, represent the original sign for
- (d) How many countries participated in the first Paralympic Games in Rome (Italy) in 1960?

OR

The moto of Paralympics is _____.

(For Visually Impaired Candidates)

Explain any four strategies to make physical activities accessible for children with special needs.

SECTION - E

(Attempt any 3 questions)

- 34. List down any four asanas used for prevention of Hypertension. Explain the procedure and contraindication of any one of them with help of a stick diagram.

 1+4
- 35. What is the purpose of Riklli and Jones fitness test? Explain the procedure of its any two test items in detail.

 1+4
- 36. Define strength and explain any two methods to develop it. 1+4
- 37. What is Friction? Write the advantages and disadvantages of friction by giving suitable examples from sports.

 1+4

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Marking Scheme

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(For Internal and Restricted use only)

Senior School Certificate Examination, 2023

SUBJECT NAME: PHYSICAL EDUCATION (SUBJECT CODE P07548) (PAPER CODE 75)

General Instructions: -

- You are aware that evaluation is the most important process in the actual and correct assessment of the candidates. A small mistake in evaluation may lead to serious problems which may affect the future of the candidates, education system and teaching profession. To avoid mistakes, it is requested that before starting evaluation, you must read and understand the spot evaluation guidelines carefully.
- "Evaluation policy is a confidential policy as it is related to the confidentiality of the examinations conducted, Evaluation done and several other aspects. Its' leakage to public in any manner could lead to derailment of the examination system and affect the life and future of millions of candidates. Sharing this policy/document to anyone, publishing in any magazine and printing in News Paper/Website etc may invite action under various rules of the Board and IPC."
- Evaluation is to be done as per instructions provided in the Marking Scheme. It should not be done according to one's own interpretation or any other consideration. Marking Scheme should be strictly adhered to and religiously followed. However, while evaluating, answers which are based on latest information or knowledge and/or are innovative, they may be assessed for their correctness otherwise and due marks be awarded to them. In class-X, while evaluating two competency-based questions, please try to understand given answer and even if reply is not from marking scheme but correct competency is enumerated by the candidate, due marks should be awarded.
- 4 The Marking scheme carries only suggested value points for the answers

These are in the nature of Guidelines only and do not constitute the complete answer. The students can have their own expression and if the expression is correct, the due marks should be awarded accordingly.

- The Head-Examiner must go through the first five answer books evaluated by each evaluator on the first day, to ensure that evaluation has been carried out as per the instructions given in the Marking Scheme. If there is any variation, the same should be zero after delibration and discussion. The remaining answer books meant for evaluation shall be given only after ensuring that there is no significant variation in the marking of individual evaluators.
- Evaluators will mark(√) wherever answer is correct. For wrong answer CROSS 'X" be marked. Evaluators will not put right (✓) while evaluating which gives an impression that answer is correct and no marks are awarded. This is most common mistake which evaluators are committing.
- 7 If a question has parts, please award marks on the right-hand side for each part. Marks







	awarded for different parts of the question should then be totaled up and written in the left-hand margin and encircled. This may be followed strictly.
8	If a question does not have any parts, marks must be awarded in the left-hand margin and encircled. This may also be followed strictly.
9	If a student has attempted an extra question, answer of the question deserving more marks should be retained and the other answer scored out with a note "Extra Question".
10	No marks to be deducted for the cumulative effect of an error. It should be penalized only once.
11	A full scale of marks(example 0 to 80/70/60/50/40/30 marks as given in Question Paper) has to be used. Please do not hesitate to award full marks if the answer deserves it.
12	Every examiner has to necessarily do evaluation work for full working hours i.e., 8 hours every day and evaluate 20 answer books per day in main subjects and 25 answer books per day in other subjects (Details are given in Spot Guidelines). This is in view of the reduced syllabus and number of questions in question paper.
13	 Ensure that you do not make the following common types of errors committed by the Examiner in the past:- Leaving answer or part thereof unassessed in an answer book. Giving more marks for an answer than assigned to it. Wrong totalling of marks awarded on an answer. Wrong transfer of marks from the inside pages of the answer book to the title page. Wrong question wise totalling on the title page. Wrong totalling of marks of the two columns on the title page. Wrong grand total. Marks in words and figures not tallying/not same. Wrong transfer of marks from the answer book to online award list. Answers marked as correct, but marks not awarded. (Ensure that the right tick mark is correctly and clearly indicated. It should merely be a line. Same is with the X for incorrect answer.) Half or a part of answer marked correct and the rest as wrong, but no marks awarded. While evaluating the answer books if the answer is found to be totally incorrect, it should be marked as cross (X) and awarded zero (0)Marks.
15	Any un assessed portion, non-carrying over of marks to the title page, or totalling error detected by the candidate shall damage the prestige of all the personnel engaged in the evaluation work as also of the Board. Hence, in order to uphold the prestige of all concerned, it is again reiterated that the instructions be followed meticulously and judiciously.
16	The Examiners should acquaint themselves with the guidelines given in the "Guidelines for spot Evaluation" before starting the actual evaluation.
17	Every Examiner shall also ensure that all the answers are evaluated, marks carried over to the title page, correctly totalled and written in figures and words.
18	The candidates are entitled to obtain photocopy of the Answer Book on request on payment of the prescribed processing fee. All Examiners/Additional Head Examiners/Head Examiners are once again reminded that they must ensure that evaluation is carried out strictly as per value points for each answer as given in the Marking Scheme.





General Instructions:

- a. The making scheme carries only suggested value points for the answers.
- b. These are only Guideline and do not constitute the complete answer.
- c. The students can have their own expression and if the expression is correct, the marks be awarded accordingly.
- d. The candidates would be permitted to obtain a photocopy of the Answer book on request on payment of the prescribed processing fee. All Examiners/Additional Head Examiners are once again reminded that they must ensure that evaluation that is carried out strictly as per value points for each answer as given in the marking Scheme.
- e. All the Head Examiners/Additional Head Examiners/Examiners are instructed that while evaluating the answer scripts, if the answer is found to be totally incorrect, (X) should be marking on the incorrect answer and awarded '0' marks.



MARKING SCHEME

Senior School Certificate –Examination, 2023

PHYSICAL EDUCATION (Subject Code-048)

[Paper Code -75]

Maximum Marks: 70

Section-A

Q. No.	EXPECTED ANSWER / VALUE POINTS	Marks
1.	(a) Bhujangasana	1
Ans.	For visually impaired	1
	(a) Bhujangasana	
2.	(d) Neuroticism	
Ans.		1
3.	(c) Buoyant Force	
Ans.		1
4. Ans.	(a) Efficiency of Lungs	
Alis.	(c) Efficiency of Lungs.	1
5.	(a) Endurance	1
Ans.		1
6.	(b) Coupling ability	
Ans.		1
7.	(a) Lactic acid	1
Ans.	(a) Weight	1
Ans.	(a) Weight	1
9.	(a) Both (A) and (R) are true and (R) is the correct explanation of (A).	
Ans.		1
10. Ans.	(a) Regulate body temperature	1
11.	(b) Vitamin B and C	1
Ans.	(S) Vitaliini B and C	
12.	(c) Parvatasana	1
Ans.		
13.	(a) 18	1
Ans.		
14.	(a) Elimination tournament	1
Ans.	(a) Emiliación confidencia	1
15.	(a) 1024	1
Ans.	(c) 1924	1
	() . (
16.	(a) I-3, II-1, III-4, IV-2	1



Ans.		
17.	(a) I-2, II-1, III-4, IV-3	1
Ans.		
18.	(b) Beginning of menstrual period in women	1
Ans.		
	Section-B	
19.	Briefly explain any two factors determining endurance.	1+1
Ans.	Factors determining Endurance:	
11104	1.Aerobic capacity	
	a. Oxygen intake	
	b. Oxygen uptake	
	c. Oxygen transport d. Energy reserve	
	2. Anaerobic capacity	
	3.Movement Economy	
	4.Muscle Composition	
	5.Lactic acid tolerance	
	(Explanation of any two)	
20.	What do you understand by "Goal Setting"?	2
Ans.	Goal setting is a mental technique that can be used to increase an individual's commitment towards achieving a specific standard of proficiency on a task within a	_
	specified time.	
	Or	
	The process of establishing a level of performance proficiency that should be	
	reached within a prescribed time period is known as goal setting.	
	(Or any other relevant answer)	
21.	Define Flexibility and list down its types.	1+1
Ans.	Flexibility is the maximum range of movement of a joint	
Alls.	Or	
	Flexibility is the quality of the muscles, ligaments and tendons that enables the joint	
	of the body to move easily through a complete range of movement.	
	(Or any relevant definition)	
	There are mainly two types of flexibility	
	1. Active Flexibility- Ability of an individual to do the joint movement without any	
	external help- (a)Static Flexibility (b) Dynamic Flexibility	
	2. Passive Flexibility- The ability to do joint movement with a greater range with an	
	external help or partner.	
	(Only types listed one mark to be given)	
22.	Elucidate any four types of fractures.	½ x4
Ans.	(a) Green Stick -Incomplete break of soft bones of children.	
	(b) Comminuted - A bone breaks into number of pieces.	
	(c) Transverse - It is a straight break right across a bone.	
	(d) Oblique -A bone breaks diagonally.	
	(e) Impacted -When the broken ends of bones are jammed together by force of	
	injury.	
	(Any 4 types)	



	What is BMI? Calculate BMI of a child whose wei	aht is 72 kg and hoight 1 69 mts	
23.	Body mass index (BMI) is a measure of body fat		1+1
Ans.	person.	., based on height and weight of a	
	Calculation of BMI if: Weight= 72 kgs. Height= 1·6	8 mts	
		o mes.	
	$BMI = \frac{Weight(kg)}{[Height(m)]^2}$		
	BMI= <u>72</u> = 25.51		
	$\frac{168\times1.68}{1.68\times1.68}$		
	200		
24.	Differentiate between Macro and Micro Nutrient		1+1
Ans.	Macro Nutrients	Micro Nutrients	
	1. Required in large quantity	1. Required in small quantity	
	2. Have calorific value	2. No calorific value	
	3. Consist of energy and body building elements	3. Consist of protecting elements	
	4. Carbohydrates, fats, Protein, water	4. Vitamins and minerals	
	Section -C	(Any relevant 2 points)	
25.	"Participation in physical activities is advantaged	ous for children with special need."	½ x6
	Briefly explain any six advantages.		
Ans.	Advantages of physical activities For children with	special need.	
	1.Physical improvement		
	2.Mental improvement		
	3.Increase self esteem		
	4. Reduce the level of stress, Anxiety and Depress	ion	
	5. Reduce the risk of health complications.		
	6. Improved social interaction		
	7. Improved cognitive skills		
	8. Improved emotional and psychological health9. Mode of recreation and fun		
	10. Channelizing the surplus energy	(Any 6 relevant points explained)	
26	Write the functions of Vitamin D and Vitamin K a		11/2+11/2
26.	Functions of Vitamin D		172+172
Ans.	1.It helps in the absorption of calcium and phosph	norus	
	2. It maintains the functions of Parathormone, the		
	glands.		
	3.It helps to keep the teeth and bones strong		
	Sources of Vitamin D		
	Sunrays, milk, fish, liver oil, butter etc.		
	Functions of Vitamin K		
	1. Helps in blood clotting		
	2. Enhances bone strength and heart health		
	3. Helps to facilitate energy production of the mit	ochondria	
	Sources of vitamin K		
	Green leafy vegetables and cabbage; milk etc.		
	(Any 2 releva	nt functions and 1 source for each)	





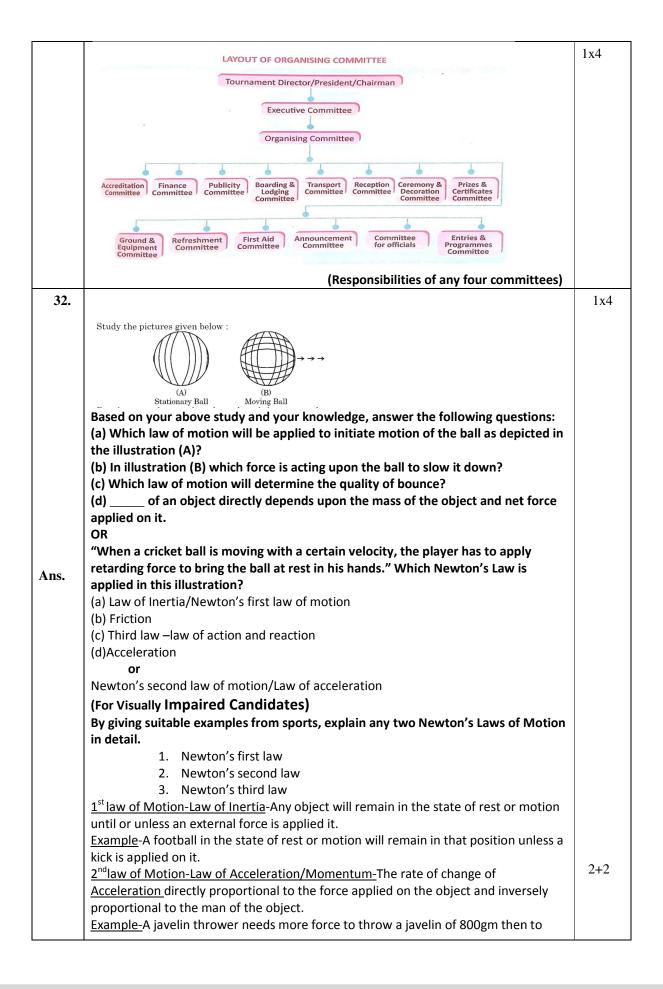
	Driefly symbols the functions of Disecting and Controlling to present assets asset	
27.	Briefly explain the functions of Directing and Controlling to organize sports event.	1½+1½
Ans.	Functions of Directing 1. Directing requires leadership quality	
	 Directing requires leadership quality Making the employees aware about their duties and responsibilities 	
	3. Includes supervision and motivation	
	·	
	4. Guiding, inspiring and instructing people to accomplish organizational goal. 5.Ensures coordination	
	Functions of controlling	
	1 Establishing standards	
	2. Ensure that actual performance is in accordance with the planned performance.	
	3. Involve imparting instruction to employees to achieve common goal.	
	4. Help to revise the standard in the light of changing circumstances and	
	environment.	
	(Any 3 relevant points for each)	
28.	How can we enhance the sports performance with the help of self-talk and	-
	self-esteem? Explain.	11/2+11/2
Ans.	Self-talk and self-esteem enhance the sports performance by the following ways	
	Self-Esteem	
	1. It controls the negative thoughts	
	2. It boosts the self confidence	
	3. It controls emotion and anxiety	
	4. It helps in skill acquisition	
	5. Self esteem helps in decision making	
	6. Taking up challenges	
	7. Increase in potential to change oneself	
	8. Increased self esteem leads to improvement in performance, resulting in	
	successful accomplishment of a goal.	
	Self Talk	
	1. Creating and changing mood	
	2.Building and developing self efficacy	
	3.Controlling efforts	
	4.Focusing attention or concentration 5.Improve overall performance	
	6. Giving oneself instructions to carry out a task.	
	7.Helps to improve stressful situations	
	8.Helps to substitute "This is too difficult" to "I can do this" (Any six relevant points)	
	(Any six relevant points)	
29.	Elucidate any six effects of exercise on muscular system.	½ x6
Ans.	Increased muscle temperature	
12250	2. Increased blood supply	
	3. Increased muscle flexibility	
	4. Hypertrophy of Muscle	
	5. Increase in Strength of Ligaments and Tendons	
	6. Increase in Size and Number of Mitochondria	
	7. Increase in Myoglobin Storage	
	8. Increase in Glycogen Storage	
	9. Increase in oxidation/metabolism	
	10. Increased in Lactic Acid Tolerance	
	11. Better posture	
	12. Delayed fatigue	
	(Any six relevant points)	





30.	What do you understand by Round shoulders deformity? Suggest any four	
	corrective measures for round shoulders.	
	Round shoulder	
Ans.	Round shoulder is a postural deformity in which shoulders are bent forward from the	
	ideal alignment thereby giving a narrow curve to upper back.	1
	Or	
	In this postural deformity the shoulders become round and sometimes they seem to	
	be bent forward.	
	Corrective measure for round shoulders	
	1. Perform chakrasana and dhanurasana	
	2.Hold the horizontal bar	2
	3. Keep your tips of fingers on your shoulders and rotate your elbows in clockwise	
	and anticlockwise direction.	
	4.Pull ups	
	5.Perform bhujangasana and ushttasana	
	6.Pull the shoulders backward and see upward	
	7.Chest stretches	
	8.T stretches	
	9.Wall stretches	
	10. Handclasp stretch and planks.	
	(Any 4 corrective measures)	
	Section D	
Ans.	1.3 2.3 1.4 2.4 3.4 1.5 2.5 3.5 4.5 1.6 2.6 1.7 2.7 3.7 4.7 5.7 6.7 1.8 2.8 3.8 4.8 5.8 6.8 7.8 On the basis of above fixture, answer the following questions: (a) Which method is shown in the picture to draw fixture in league tournament? (b) What is the formula to calculate number of matches? (c) In league or Round Robin Tournament winner will be decided on the basis of (d) If 7 teams participate in a league Tournament, number of matches will be played: (a). Staircase method (b). N (N-1) / 2 (c). Points score by teams/no of matches won/ American method/British method (d). 21 matches (For Visually Impaired Candidates) Explain the responsibilities of any four committees required to organize a sports event	





	T	<u> </u>
	throw a javelin of 600gm.	
	3 rd Law of Motion-Law of Action/Reaction-For every action there is an equal and	
	opposite reaction.	
	Example-While swimming we push the water backwards and our body moves	
	forward.	
	(Any two laws with suitable example)	
33.	In relation to the pictures, answer the following questions:	1x4
	(a) Logo shown in picture refers to Special Olympic. (b) Who was the founder of Special Olympics? (c) According to figure 'B', the hand shapes of 'OK', 'Good' and 'Great' that overlap each other in a circle,, represent the original sign for	
	(d) How many countries participated in the first Paralympic Games in Rome (Italy)	
	in 1960?	
	OR	
	The motto of Paralympics is	
	(a) C	
Ans.	(b) Eunice kennedy shriver	
	(c) Deaf Olympics/Deaflympics	
	(d)23	
	or	
	Spirit in motion	
	(For Visually Impaired Candidates)	
	Explain any four strategies to make physical activities accessible for children with	
	special needs.	1x4
	Strategies to make physical activities accessible for CWSN	134
Ans.	1 Regular medical check up	
	2.Adaptive physical education	
	3. Clear communication	
	4. Modified playfield/court	
	5.Modified rules	
	6.Modification in equipment	
	7.Involve people with disabilities in decision making	
	8. Encourage community based programme	
	9.Use different types of instructional strategies 10.Social strategies	
	11.Psychological strategies	
	12. Development of voluntary services at various levels	
	(Explanation of any 4 points)	
	Section -E	
34.	List down any four asanas used for prevention of Hypertension. Explain the	
	procedure and contraindication of any one of them with help of a stick diagram. Enlist any 4	
Ans.	1.Tadasana	¹⁄4 x4
	2. Katichakrasana	
	3. Uttanpadasana	
	4. ArdhaHalasana	
	5. Sarala Matyasana	
	6 Gomukhasana	
<u> </u>	o Gornaldia di la Carta di Car	l







- 8. Vakrasana
- 9. Bhujangasana
- 10. Makarasana
- 11. Shavasana,
- 12. Nadishodhanapranayam
- 13 Sitlipranayam

Draw any one of the following









Tadasana

Katichakransan

Uttanpadasana

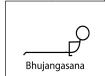
ArdhaHalasana











1

Sarala Matyasana Gomukhasana UttanMandukasana Vakrasana

Bhujangasana









Makarasana

Shavasana

Nadishodhanapranayama

Sitlipranayam

(Explanation of the procedure can be accepted in paragraph /point wise both and it should be relevant to the opted stick diagram.

Contraindications (any two) should be in relevance to the opted stick diagram)

Procedure of Tadasana (as specimen)

Stand straight on the floor/ mat.

Take a small gap between feet.

After deep inhalation, raise both the arms.

Keep arms upward by interlocking fingers.

Come on the toes by raising heels.

Feel the pressure of stretching from toes.

Try to maintain this pose along with slow and deep breathing.

Contraindications

People suffering from headaches, Low blood pressure and insomnia should avoid this

People suffering from diarrhea, neck and spinal injury should avoid this asana

2





35.	What is the purpose of Rikili and Jones fitness test? Explain the procedure of its	
33.	any two test items in detail.	
	Explanation of Purpose	
Ans.	The senior citizen fitness test was developed by Rikli and Jones for the purpose of	
	assessment of fitness of senior citizens. This test battery contains six tests which are	
	designed mainly to assess the lower body strength, upper body strength, lower and	1
	upper body flexibility, agility and aerobic endurance.	
	(Or)	
	(Marks to be given-If student mention the purpose of six items)	
	Chair stand test	
	2. Arm curl test	
	3. Chair sit and reach test	
	4. Back Scratch test	
	5. Eight foot up and go test	
	6. Six minute walk test	
	Explain the procedure of any two test items from the above -	2+2
	Chair Stand Test (Procedure as specimen)	
	<u>Procedure:</u> The chair should be placed against the wall or somewhere it gets	
	stabilized. Initially, the individual will sit on the chair, back straight, arms crossed and	
	feet firmly on the floor shoulder width apart. On the command "Go" the individual	
	will stand up completely, and then return back to the initial position. This will be	
	counted as one stand. The individual should be motivated to do maximum stands in	
	30 seconds.	
	Maximum number of complete stands will be counted as score. If the individual is in	
	halfway of the stand and time is over, then it will be counted as a full stand.	
36.	Define strength and explain any two methods to develop it.	
Ans.	Strength is the ability of a muscle to exert force in single muscle contraction.	
1113	OR	
	Strength is the capacity of the whole body or any of its part to exert force.	
	OR	1
	Strength is the force that a muscle or group of muscles can exert against a resistance	
	in one maximum effort.	
	(Or any other relevant definition)	
	Methods to develop strength:	
	Isometric Exercise: These exercises are not visible as there is no direct movement.	
	Therefore, isometric exercises cannot be observed. In these exercises, work	
	performed cannot be seen directly, like pushing a wall. There is no change in the	
	muscle length when such exercises are done. These exercises need less time and	
	equipment and can be performed practically anywhere and everywhere. Isotonic Exercise: In these exercises movements can be seen directly. Isotonic	2+2
	exercises result in toned muscles and increased muscle length. Examples of isotonic	
	exercises include running and jumping on the spot, weight training exercises, and	
	calisthenics exercises.	
	Isokinetic Exercise: These exercises are performed on specially designed machines.	
	In Isokinetic contraction, the muscles apply maximal force throughout the range of	
	motion around the joint. Example: Brisk Walking on a Treadmill, cycling on an	
	exercise bike etc.	
	(Any 2 methods explained)	
<u> </u>	(,, explained)	





37.	What is Friction? Write the advantages and disadvantages of friction by giving suitable examples from sports.	1
115.	Friction is a force acting over the area of contact between two surfaces in the	1
	direction opposite to that of motion.	
	Or	
	Friction is a force that acts parallel to the two surfaces.	
	Or	
	In other words, it is a force that resists the movement.	
	Or	
	(Similar kind of explanation)	
	Advantages:	
	1. Running and walking are the result of friction between ground and the shoes. For	
	e.g.: An athlete uses spikes and a footballer uses studs.	
	2. The grip in badminton and tennis play a major role in performing a perfect shot.	
	That is why a good grip is used for better friction.	2
	3. The friction between the tyres and the surface prevents cyclist from slipping and	
	skidding. Also, a cyclist uses a pointed helmet to reduce friction.	
	4. Gymnasts and javelin thrower used Magnesium powder to increase friction.	
	<u>Disadvantages:</u>	
	1. If the air pressure in the cycle tyres is not appropriate, then due to excessive	2
	friction, more energy is used.	
	2. Flight of an object also depends on friction because air resistance slows down the	
	speed of the projectile.	
	3. During pole-vault, an athlete may lose grip on the pole if less friction is there	
	between palm and pole and may get injured.	
	4. Friction can cause injuries because a player slides across the ground during play.	
	(Any two advantages and disadvantages or relevant answer)	