

SUBJECT CODE	SUBJECT	PAPER
A-17-03	PHYSICAL EDUCATION	III
HALL TICKET NUMBER		
QUESTION BOOKLET NUMBER		
OMR SHEET NUMBER		
DURATION	MAXIMUM MARKS	NUMBER OF PAGES
2 HOUR 30 MINUTES	150	16
		NUMBER OF QUESTIONS
		75

This is to certify that, the entries made in the above portion are correctly written and verified.

Candidates Signature **Name and Signature of Invigilator**

Instructions for the Candidates

- Write your Hall Ticket Number in the space provided on the top of this page.
- This paper consists of seventy five multiple-choice type of questions.
- At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested **to open the booklet and compulsorily examine it as below** :
 - To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet.
 - Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given.**
 - After this verification is over, the Test Booklet Number should be entered in the OMR Sheet and the OMR Sheet Number should be entered on this Test Booklet.
- Each item has four alternative responses marked (A), (B), (C) and (D). You have to darken the circle as indicated below on the correct response against each item.
Example: (A) (B) (C) (D)
 where (C) is the correct response.
- Your responses to the items are to be indicated in the **OMR Answer Sheet given to you**. If you mark at any place other than in the circle in the Answer Sheet, it will not be evaluated.
- Read instructions given inside carefully.
- Rough Work is to be done in the end of this booklet.
- If you write your name or put any mark on any part of the OMR Answer Sheet, except for the space allotted for the relevant entries, which may disclose your identity, you will render yourself liable to disqualification.
- The candidate must handover the OMR Answer Sheet to the invigilators at the end of the examination compulsorily and must not carry it with you outside the Examination Hall.** The candidate is allowed to take away the carbon copy of OMR Sheet and used Question paper booklet at the end of the examination.
- Use only Blue/Black Ball point pen.**
- Use of any calculator or log table etc., is prohibited.**
- There is no negative marks for incorrect answers.**

అభ్యర్థులకు సూచనలు

- ఈ పుట పై భాగంలో ఇవ్వబడిన స్థలంలో మీ హాల్ టికెట్ నంబరు రాయండి.
- ఈ ప్రశ్న పత్రము డెభైబదు బహుళైచిక ప్రశ్నలను కలిగి ఉంది.
- పరీక్ష ప్రారంభమున ఈ ప్రశ్నపత్రము మీకు ఇవ్వబడుతుంది. మొదటి ఐదు నిమిషములలో ఈ ప్రశ్నపత్రమును తెరిచి కింద తెలిపిన అంశాలను తప్పనిసరిగా సరిచూసుకోండి.
 - ఈ ప్రశ్న పత్రమును చూడడానికి కుర్రపేజీ అంచును ఉన్న కాగితపు సీలును చించండి. స్టిక్కర్ సీలులేని మరియు ఇదివరకే తెరిచి ఉన్న ప్రశ్నపత్రమును మీరు అంగీకరించవద్దు.
 - కవరు పేజీ పై ముద్రించిన సమాచారం ప్రకారం ఈ ప్రశ్నపత్రములోని పేజీల సంఖ్యను మరియు ప్రశ్నల సంఖ్యను సరిచూసుకోండి. పేజీల సంఖ్యకు సంబంధించి గానీ లేదా సూచించిన సంఖ్యలో ప్రశ్నలు లేకపోవు లేదా నిజప్రతి కాకపోవు లేదా ప్రశ్నలు క్రమపద్ధతిలో లేకపోవు లేదా ఏదైనా తేడాలు ఉంటుంటే వంటి దోషపూరితమైన ప్రశ్న పత్రాన్ని వెంటనే మొదటి ఐదు నిమిషాల్లో పరీక్షా పర్యవేక్షకునికి తిరిగి ఇచ్చివేసి దానికి బదులుగా సరిగ్గా ఉన్న ప్రశ్నపత్రాన్ని తీసుకోండి. తదనంతరం ప్రశ్నపత్రము మార్చబడదు అడనపు సమయం ఇవ్వబడదు.
 - పై విధంగా సరిచూసుకొన్న తర్వాత ప్రశ్నపత్రం సంఖ్యను OMR పత్రము పై అదేవిధంగా OMR పత్రము సంఖ్యను ఈ ప్రశ్నపత్రము పై నిర్దిష్ట స్థలంలో రాయవలెను.
- ప్రతి ప్రశ్నకు నాలుగు ప్రత్యామ్నాయ ప్రతిస్పందనలు (A), (B), (C) మరియు (D) లుగా ఇవ్వబడ్డాయి. ప్రతి ప్రశ్నకు సరైన ప్రతిస్పందనను ఎన్నుకొని కింద తెలిపిన విధంగా OMR పత్రములో ప్రతి ప్రశ్నకు ఇవ్వబడిన నాలుగు వృత్తాల్లో సరైన ప్రతిస్పందనను సూచించే వృత్తాన్ని బాల్ పాయింట్ పెన్ తో కింద తెలిపిన విధంగా పూరించాలి.
ఉదాహరణ : (A) (B) (C) (D)
 (C) సరైన ప్రతిస్పందన అయితే
- ప్రశ్నలకు ప్రతిస్పందనలను ఈ ప్రశ్నపత్రములో ఇవ్వబడిన OMR పత్రము పైని ఇవ్వబడిన వృత్తాల్లోనే పూరించి గుర్తించాలి. అలాకాక సమాధాన పత్రంపై వేరొక చోట గుర్తిస్తే మీ ప్రతిస్పందన మూల్యాంకనం చేయబడదు.
- ప్రశ్న పత్రము లోపల ఇచ్చిన సూచనలను జాగ్రత్తగా చదవండి.
- చిత్తుపనిని ప్రశ్నపత్రము చివర ఇచ్చిన ఖాళీస్థలములో చేయాలి.
- OMR పత్రము పై నిర్దిత స్థలంలో సూచించవలసిన వివరాలను తప్పించి ఇతర స్థలంలో మీ గుర్తింపును తెలిపే విధంగా మీ పేరు రాయడం గానీ లేదా ఇతర చిహ్నాలను పెట్టడం గానీ చేసినట్లయితే మీ అనర్హతకు మీరే బాధ్యులవుతారు.
- పరీక్ష పూర్తయిన తర్వాత మీ OMR పత్రాన్ని తప్పనిసరిగా పరీక్ష పర్యవేక్షకుడికి ఇవ్వాలి. వాటిని పరీక్ష గది బయటకు తీసుకువెళ్లకూడదు. పరీక్ష పూర్తయిన తరువాత అభ్యర్థులు ప్రశ్న పత్రాన్ని, OMR పత్రం యొక్క కార్బన్ కాపీని తీసుకువెళ్లవచ్చు.
- నీలి/నల్ల రంగు బాల్ పాయింట్ పెన్ మాత్రమే ఉపయోగించాలి.
- లాగరిథమ్ బేబుల్స్, క్యాలిక్యులేటర్లు, ఎలక్ట్రానిక్ పరికరాలు మొదలగునవి పరీక్షగదిలో ఉపయోగించడం నిషేధం.
- తప్పు సమాధానాలకు మార్కుల తగ్గింపు లేదు.



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PHYSICAL EDUCATION

Paper – III

1. Match the following by using code :

List – I

- I. Formal system of Spartan Education
- II. Institutions of higher learning
- III. Public Baths with Sports and Fitness Clubs
- IV. Arthurian Wrestling School

List – II

- 1. Thermae
- 2. Agoge
- 3. School of grammatics
- 4. Palestra
- 5. Gladitorious

Code :

	I	II	III	IV
(A)	2	3	1	4
(B)	2	3	5	1
(C)	3	2	4	5
(D)	2	1	4	5

2. System of cleaning internal organs

- I. Nauli
- II. Neti
- III. Dhouti
- IV. Kapalabhati

- (A) I, II, III are correct
- (B) III, II, IV are correct
- (C) II, III are correct
- (D) I, IV are correct

3. The basic structural units of proteins are

- (A) Tryglycerides
- (B) Amino acids
- (C) Phospholipids
- (D) Disaccharides

4. **Assertion (A)** : Extrinsic motivation is the sole motivator for elite sports performance.

Reasoning (R) : Extrinsic motivation kills the elite sports performance.

- (A) (A) is wrong and (R) is correct
- (B) Both (A) and (R) are correct
- (C) Both (A) and (R) are wrong
- (D) (A) is correct and (R) is not right explanation of (A)

5. At which of the following sites pulse can be palpated ?

- (A) Elbow
- (B) Chest
- (C) Palm
- (D) Thigh

6. How many times do our Kidneys filter blood in our body per one hour ?

- (A) Once
- (B) Twice
- (C) Thrice
- (D) Four times



7. Attempt to do more work than they can physically tolerate
 (A) Detraining
 (B) Overtraining
 (C) Retraining
 (D) Super compensation

8. Match the following by using code :

List – I	List – II
I. Hydrotherapy	1. Hot bag
II. Cryotherapy	2. Ultra sound
III. Electrotherapy	3. Whirl pool
IV. Thermotherapy	4. Cold compression
	5. Ultratherapy

Code :

	I	II	III	IV
(A)	3	4	2	1
(B)	2	1	4	3
(C)	5	4	1	3
(D)	1	2	4	5

9. Teacher has to maintain his/her

- (A) Status with students
 (B) Distance with pupil
 (C) Both A and B are true
 (D) None of the above

10. **Assertion (A)** : Of all the principles of sports training, the principle of training load and recovery is important.

Reasoning (R) : Any mistake adhering to this principle will prevent the sports person from attaining high performance.

- (A) (A) is correct (R) is wrong
 (B) (R) is correct (A) is wrong
 (C) Both (A) and (R) are wrong
 (D) Both (A) and (R) are correct

11. Match the following by using code :

List – I	List – II
I. Cyanocobalamin	1. B ₁₂ Vitamin
II. Thiamine	2. B ₁ Vitamin
III. Niacin	3. B ₃ Vitamin
IV. Ascorbic Acid	4. C Vitamin
	5. B ₂ Vitamin

Code :

	I	II	III	IV
(A)	1	2	3	5
(B)	2	3	4	5
(C)	5	1	2	3
(D)	1	2	3	4

12. Match the vitamin with their symptoms of deficiency :

List – I	List – II
I. D vitamin	1. Muscular dystrophy
II. E vitamin	2. Retarded blood clotting
III. A vitamin	3. Night blindness
IV. K vitamin	4. Beriberi
	5. Rickets

Code :

	I	II	III	IV
(A)	1	5	3	2
(B)	5	1	2	3
(C)	5	1	3	2
(D)	4	3	2	1

13. Which is the house keeping system of the body ?

- (A) Peripheral Nervous System
 (B) Sympathetic Nervous System
 (C) Para Sympathetic Nervous System
 (D) None of the above



14. Long distance runners require

- I. Speed endurance
- II. Cardio respiratory endurance
- III. Coordination
- IV. Muscular endurance

- (A) I and IV are correct
- (B) II and IV are correct
- (C) III and IV are correct
- (D) I and II are correct

15. Hewitt tennis test includes

- I. Fore hand drive placement
- II. Drive for distance placement
- III. Back hand drive placement
- IV. Service placement

- (A) I, II and IV are correct
- (B) I, II and III are correct
- (C) II, III and IV are correct
- (D) I, III and IV are correct

16. The formula used for measures of variability

I. $\sqrt{\frac{\sum fd^2}{N} - \left(\frac{\sum fd}{N}\right)^2} \times i$

II. $AM + \left[\frac{\sum fd}{N}\right] \times i$

III. $\frac{DM}{\sigma DM}$

IV. $\frac{Q_3 - Q_1}{2}$

- (A) I and III are correct
- (B) I and IV are correct
- (C) II and III are correct
- (D) III and IV are correct

17. Single score that represents all the scores in a distribution

- I. Mean
 - II. Standard deviation
 - III. Median
 - IV. Quartile deviation
- (A) I and II are correct
 - (B) II and III are correct
 - (C) I and III are correct
 - (D) III and IV are correct



18. Side effects of blood doping are

- I. Cardiac arrest
- II. Cardiac hypertrophy
- III. Bacterial infection
- IV. Obesity

- (A) I and II are correct
- (B) I and III are correct
- (C) I, II and III are correct
- (D) I is correct, III is wrong

19. Presence of eating disorder, amenorrhea and osteoporosis is referred as

- (A) Male and female triad
- (B) Male athlete triad
- (C) Female athlete triad
- (D) None of the above

20. Identify the correct order of correlation

- (A) – 1.00 through + 0.05
- (B) + 1.00 through – 1.00
- (C) + 1.00 to 0.00
- (D) – 1.00 to 0.00

21. Arrange the following in sequence

- I. Reaction speed
 - II. Accelerated speed
 - III. Maximum speed
 - IV. Movement speed
- (A) Reaction speed, movement speed, accelerated speed, maximum speed
 - (B) Movement speed, reaction speed, maximum speed, accelerated speed
 - (C) Movement speed, reaction speed, accelerated speed, maximum speed
 - (D) Reaction speed, accelerated speed, movement speed, maximum speed

22. **Assertion (A)** : Elite athletes use drugs not knowing the side effects.

Reasoning (R): The drug abuse helps the elite athletes in performance.

- (A) (A) is correct (R) is not the correct explanation of (A)
- (B) (R) is false and (A) is correct
- (C) Both (R) and (A) are correct
- (D) Both (R) and (A) are wrong

23. **Assertion (A)** : Management involves planning, organising, administering and supervising the work.

Reasoning (R) : Well begun is half done.

- (A) Both (A) and (R) are correct and (R) is the correct explanation
- (B) Both (A) and (R) are correct but (R) is not correct explanation
- (C) (A) is correct but (R) is wrong
- (D) (A) is wrong but (R) is correct

24. What punishment given to the cheaters in the ancient Olympics ?

- (A) Drowned
- (B) Hanged
- (C) Beaten with hunters
- (D) Detained



25. Sequence of events in the modern Pentathlon Olympics

- (A) Shooting, Swimming, Crosscountry, Fencing, Riding
- (B) Fencing, Shooting, Crosscountry, Riding, Swimming
- (C) Swimming, Shooting, Fencing, Crosscountry, Riding
- (D) Riding, Fencing, Shooting, Swimming, Crosscountry

26. **Assertion (A)** : The Management and Professional Sports like cricket, football, baseball, basketball recruit players with very high pay.

Reasoning (R) : The above statement says one can decide that players play for the sake of money only.

- (A) Both (A) and (R) are correct
- (B) (A) is wrong but (R) is correct
- (C) (A) is correct but (R) is wrong
- (D) Both (A) and (R) are wrong

27. Match the following by using code :

List – I

List – II

- | | |
|-------------------------|--|
| I. Time Table | 1. Course of study offered by an institution |
| II. Syllabus | 2. A document including all the learning experience provided to the students |
| III. Curriculum | 3. Outline of contents |
| IV. Professional Ethics | 4. A document showing what to be done by whom and at what time |

Code :

	I	II	III	IV
(A)	4	3	1	2
(B)	3	4	1	2
(C)	4	3	2	1
(D)	3	1	2	4

28. Write the correct sequence of rhythmic command

- (A) Executive, explanatory, rhythmic command, halt
- (B) Explanatory, executive, rhythmic command, halt
- (C) Rhythmic command, executive, explanatory, halt
- (D) Halt, executive, explanatory, rhythmic command



29. Match the following by using code :

List – I	List – II
I. Carbohydrates	1. Phospholipids
II. Fats	2. Ascorbic acid
III. Proteins	3. Amino acids
IV. Minerals	4. Phosphorus
	5. Mono saccharides

Code :

	I	II	III	IV
(A)	5	1	3	4
(B)	5	2	4	1
(C)	5	1	3	2
(D)	4	1	3	2

30. Match the following by using code :

List – I	List – II
I. Takshashila	1. Faster
II. Citius	2. Higher
III. Ludwig John	3. Archery
IV. Altius	4. Turnverian movement
	5. Olympic flame

Code :

	I	II	III	IV
(A)	3	1	4	2
(B)	1	2	3	4
(C)	3	1	2	4
(D)	5	4	3	1

31. Match the following by using code :

List – I	List – II
I. 't' test	1. Median
II. Mid point of distribution	2. More than two groups
III. Negative SD indicates	3. Two means
IV. Analysis of variance	4. Computational error
	5. Degree of relationship

Code :

	I	II	III	IV
(A)	2	4	1	5
(B)	4	2	3	1
(C)	1	5	2	4
(D)	3	1	4	2

32. Match the following by using code :

List – I	List – II
I. Force, Axis, Resistance	1. II class lever
II. Axis	2. III class lever
III. Axis, Resistance, Force	3. I class lever
IV. Axis, Force, Resistance	4. Joint

Code :

	I	II	III	IV
(A)	3	2	1	4
(B)	3	4	1	2
(C)	2	1	4	3
(D)	4	3	2	1



33. Navicular drop is associated with
(A) Ear function
(B) Eye function
(C) Foot and eye function
(D) Foot function
34. Identify the event which works on Aerodynamic principle
(A) Long jump
(B) Hammer throw
(C) Javelin throw
(D) Shot-put
35. Mechanical efficiency of lever depends
(A) Only on force arm
(B) Ratio between force arm and resistance arm
(C) Only on resistance
(D) Only on Axis
36. **Assertion (A)** : Library is the store house of knowledge.
Reasoning (R) : Present database replaced the library.
(A) Both (A) and (R) are correct
(B) (A) is correct and (R) is not the correct explanation
(C) (R) is correct and (A) is wrong
(D) (A) is correct and (R) is the correct explanation
37. Product of body's mass and its velocity is
(A) Torque
(B) Work
(C) Power
(D) Momentum

38. If a test measures as accurately as possible, what the test ought to measure ?
(A) Reliability
(B) Objectivity
(C) Validity
(D) Norm

39. **Assertion (A)** : Training load is a psychological and physiological demands put on the human body through motor stimulus.

Reasoning (R) : Training load is a process based on scientific and pedagogical principles to achieve higher performance.

- (A) (A) and (R) are correct
(B) (A) is correct but (R) is wrong
(C) (A) and (R) are wrong
(D) (A) is wrong but (R) is correct

40. Match the following by using code :

List – I	List – II
I. Anxiety	1. SAT
II. Agression	2. MAP
III. Personality	3. GEQ
IV. Aptitude	4. SCAT
	5. BIDR

Code :

	I	II	III	IV
(A)	2	5	4	3
(B)	3	2	1	4
(C)	1	4	3	5
(D)	4	3	2	1



41. Write the Olympics venues in order
(A) Rome, London, Berlin, Helsinki
(B) Berlin, Rome, London, Helsinki
(C) London, Berlin, Rome, Helsinki
(D) Berlin, London, Helsinki, Rome

42. **Assertion (A)** : All men are mortal, Socrates is a man.

Reasoning (R) : Socrates is mortal.

- (A) (A) is correct
(B) (R) is correct
(C) (A) is correct and (R) is the correct explanation
(D) (A) is correct and (R) is not correct explanation
43. According to W.H.O. the concept of health focusses on
(A) Total well being
(B) Mental health
(C) Physical health
(D) Freedom from diseases

44. Match the following by using code :

List – I

List – II

- | | |
|-----------------|--|
| I. Growth | 1. Progressive change towards greater maturity |
| II. Development | 2. Qualitative change after maturity |
| III. Maturation | 3. Increase in size and shape |
| IV. Learning | 4. Modification in behaviour |
| | 5. Change in character |

Code :

	I	II	III	IV
(A)	3	1	2	4
(B)	5	1	2	3
(C)	4	5	1	2
(D)	3	2	1	4

45. Which of the following statement is not true ?

- (A) Median is a measure of central tendency
(B) Median divides the group into two equal half
(C) Median is a score
(D) Median is a point

46. Ergogenic Aids helps to

- I. Increase strength and endurance
II. Increase concentration
III. Increase pain
IV. Early onset of fatigue
- (A) I and II are correct
(B) II and III are correct
(C) I and IV are correct
(D) III and IV are correct

47. **Assertion (A)** : Observation as a tool for research data gathering process demands rigorous adherence to the spirit of scientific enquiry.

Reasoning (R) : Observation collected in such a way to make sure that they are valid and reliable.

- (A) (A) is correct but (R) is wrong
(B) (R) is correct but (A) is wrong
(C) Both (A) and (R) are wrong
(D) Both (A) and (R) are correct



48. Match the following by using code :

List – I

- I. Myology
- II. Histology
- III. Hemodynamics
- IV. Nephrology

List – II

- 1. Cells
- 2. Muscles
- 3. Kidneys
- 4. Blood flow
- 5. Nerves

Code :

	I	II	III	IV
(A)	2	1	4	5
(B)	2	1	5	3
(C)	2	1	4	3
(D)	5	4	3	1

49. Winning in sports depends on learning of fundamentals in following sequence

- (A) Tactics, skill, technique, strategy
- (B) Technique, skill, strategy, tactics
- (C) Skill, strategy, tactics, technique
- (D) Strategy, skill, tactics, technique

50. The major horizontal Adductor of the shoulder is

- (A) Posterior deltoid
- (B) Teres minor
- (C) Bicep
- (D) Anterior deltoid

51. Women athletic performance hindered due to

- I. Ammenoria
 - II. Dehydration
 - III. Eating disorder
 - IV. Cold condition
- (A) I and IV are correct
(B) I and III are correct
(C) I and II are correct
(D) III and IV are correct

52. **Assertion (A)** : Until puberty male and female do not differ significantly in most of the measurement of body size and composition.

Reasoning (R) : Performance is equal in males and females before puberty.

- (A) (A) is wrong but (R) is correct
- (B) (A) is correct (R) is correct explanation of (A)
- (C) (A) is correct (R) is not correct explanation of (A)
- (D) Both (A) and (R) are correct

53. Write the following steps in order to prepare a standardized test.

- (A) Testing of validity, testing of reliability, preparation of final form, preparation of preliminary form
- (B) Testing of validity, testing of reliability, preparation of preliminary form, preparation of final form
- (C) Testing of validity, preparation of preliminary form, preparation of final form, testing of reliability
- (D) Testing of reliability, testing of validity, preparation of final form, preparation of preliminary form



54. Joint in nervous system is called

- (A) Synapse
- (B) Mazelin fiber
- (C) Axon
- (D) Impulse

55. Match the following by using code :

List – I	List – II
I. Asana	1. Breath control
II. Pranayama	2. Self realization
III. Dhyana	3. Posture
IV. Samadhi	4. Concentration
	5. Yama

Code :

	I	II	III	IV
(A)	1	2	3	4
(B)	5	2	4	3
(C)	4	5	2	1
(D)	3	1	4	2

56. Which of the following helps to measure explosive strength ?

- I. Standing Broad Jump
 - II. Sit-ups
 - III. Vertical Jump
 - IV. Pull-up
- (A) I and III are correct
 - (B) I and II are correct
 - (C) II and III are correct
 - (D) III and IV are correct

57. **Assertion (A)** : In cricket umpire calls and signals dead ball.

Reasoning (R): When a player is injured.

- (A) Both (A) and (R) are correct
- (B) (A) is correct and (R) is one of the explanations
- (C) (A) is correct and (R) is not the correct explanation
- (D) (A) is correct and (R) is the correct explanation

58. Which of the following statement about the first modern Olympic games was true ?

- (A) All the participating members were female
- (B) All the participating members were male
- (C) All the participating members were from Greek
- (D) All the participating members were Romans

59. Write the colours of Olympics rings in order

- (A) Black, Yellow, Blue, Green, Red
- (B) Blue, Yellow, Black, Green, Red
- (C) Yellow, Blue, Black, Green, Red
- (D) Green, Blue, Yellow, Black, Red



60. Match the following by using code :

List – I

- I. Kraus Weber test
- II. Sargent test
- III. Tuttle pulse ratio test
- IV. Stimulatory response

List – II

- 1. Badminton
- 2. Cardiovascular efficiency
- 3. Motor ability
- 4. Muscular strength
- 5. Volleyball

Code :

	I	II	III	IV
(A)	2	5	3	1
(B)	3	2	4	1
(C)	4	1	2	3
(D)	4	3	2	1

61. The plane divides the body into top and bottom halves is called

- (A) Anteroposterior plane
- (B) Horizontal plane
- (C) Coronal plane
- (D) Sagittal plane

62. Match the following by using code :

List – I

- I. Lung capacity
- II. Endurance
- III. Strength
- IV. Flexibility

List – II

- 1. Ergometer
- 2. Goniometer
- 3. Spirometer
- 4. Dynamometer
- 5. Stadiometer

Code :

	I	II	III	IV
(A)	3	1	2	4
(B)	5	2	1	3
(C)	3	1	4	2
(D)	4	3	2	1

63. Which of the following sequence is correct ?

- (A) Pie-chart, Histogram, Bardigram, Graphical representation
- (B) Range, QD, MD, Mean
- (C) Type I error, Type II error, Null hypothesis, Linear regression
- (D) Normal scale, Ordinal scale, Ratio scale, 't' scale

64. Personality and Social behaviour are strongly affected by

- I. Social force
 - II. Biological force
 - III. Family force
 - IV. Economical force
- (A) I and IV are correct
 - (B) I and II are correct
 - (C) II and III are correct
 - (D) III and IV are correct

65. In which plane forward and backward movements occur ?

- (A) Frontal plane
- (B) Transverse plane
- (C) Cardinal planes
- (D) Sagittal plane

66. 'F' ratio is used to compare

- (A) More than two standard deviations
- (B) Less than two means
- (C) More than two means
- (D) None of the above



67. Assertion (A) : A training load produce super compensation effect can be used again further to improve training state.

Reasoning (R) : After occurrence of super compensation, load should be increased during the next adaptation.

- (A) Both (A) and (R) are correct
- (B) Both (A) and (R) are wrong
- (C) (A) is correct but (R) is wrong
- (D) (A) is wrong but (R) is correct

68. Assertion (A) : Total amount of blood pumped out by left ventricle in one heart beat is called stroke volume.

Reason (R) : The amount of air inhaled or exhaled during single breath is called Tidal volume.

- (A) (A) is correct but (R) is wrong
- (B) (A) is wrong but (R) is correct
- (C) (A) and (R) are correct
- (D) (A) and (R) are wrong

69. Angular velocity is denoted by

- (A) Alpha
- (B) Omega
- (C) Theta
- (D) Gamma

Read the following passage and answer the questions from **Q. No. 70 to Q. No. 75.**

Anyone who has been involved in any team sport knows the value of cohesiveness. Coaches try to develop cohesiveness in their teams because they believe cohesive teams win more games. Surely you have heard spectators and sports announcers as well as coaches and players praise the unity, teamwork and cohesiveness of successful teams, especially when the teams win without individual superstars. Conversely lack of cohesion or team dissension is often cited when a team of talented individuals fails to meet expectations. Given the popularity of cohesiveness in sports talk, it is not surprising that cohesiveness is a popular research topic. Many sport psychologists have examined the relationship between cohesiveness and team performance, and according to the results we can answer the question 'Do cohesive teams win more games?' with 'yes' 'no' and 'may be'.

Some evidence does indicate a positive relationship between team cohesiveness and team success. One of the most extensive and representative investigations in the sport cohesiveness literature, involving over 1, 200 male intramural basketball players on 144 teams provides strong evidence that team cohesiveness and success are positively related. In the previous study of the overall investigation of Martens and Peterson (1971) examined the influence of preseason



cohesiveness on team success and reported that highly cohesive teams won more games than teams with low cohesiveness. In the third study Peterson and Martens (1972) looked at the influence of team success on post season cohesiveness and observed that successful teams were more cohesive than less successful teams.

Obviously, further research does not always clarify or help us to understand a phenomenon especially if the research is haphazard with no systematic progression that builds upon extends previous work. As Carron (1982) notes to date the overall strategy of sport cohesiveness research can be described as a generally erratic 'shotgun' approach, no overall conceptual model has emerged to integrate the findings on any meaningful way, and as with the sport personality research, the findings are as diverse as the studies themselves.

- 70.** The team can win without superstars, if they possess team
- (A) Tactics
 - (B) Cohesiveness
 - (C) Aggressiveness
 - (D) Team game
- 71.** The antonym for lack of team cohesion is
- (A) Team work
 - (B) Team tactics
 - (C) Team dynamics
 - (D) Team dissension

- 72.** In which study, the conceptual team cohesive module was developed ?
- (A) Martens
 - (B) Peterson
 - (C) Carron
 - (D) None of the above
- 73.** The team with high cohesiveness before competition led to team success is conclusion of
- (A) Carren (1982)
 - (B) Peterson and Martens (1972)
 - (C) Martens and Peterson (1971)
 - (D) Both B and C are correct
- 74.** The passage basically aim to give the concept of
- (A) Team cohesiveness
 - (B) Cohesiveness in sports
 - (C) Cohesiveness and performance
 - (D) None of the above
- 75.** Who conducted study on 1200 male basket ball players ?
- (A) Carron (1982)
 - (B) Peterson and Martens (1972)
 - (C) Martens (1971)
 - (D) None of the above



Space for Rough Work