

By

# Sri. Sukumar

Physical Education Director Poornaprajna College Udupi

With the motive of making students healthy and stress free during this pandemic condition. The college decided to extend physical education online classes to undergraduate students.

Mr. Sukumar, Physical Director of our college has successfully conducted classes on fitness and other health related issues like food and nutrition science behind exercise etc. to 3rd and 5th Semester students of BA, B.Sc., BBA and B.Com.

The Classes were usefull and appriciated by the student community

#### **PARTICULARS**

- 1. Total hours taken: 52
- 2. Time table
- 3. Number of PPT's presented: 07
- 4. No. Of Student Beneficiaries .950
- 5. Total No. Of Weeks: 09
- 6. Average attendance/week: 720
- 7. No. Of examination conducted: 01
- 8. No. Of students attended: 730
- 9. Examinations held:/ No. Of Students attended: 690
- 10. Total no of Students feedback submitted: 743
- 11. Classes taken for 3rd and 5th Semester students of BA, B, COM, BBA and B.SC

## TIME TABLE

Dept. of Physical Education						
	9.30 - 10.15	10.30 - 11.15	11.30 - 12.15	1.30 - 2.15		
Monday				III B. A. & III BBA		
Tuesday				III B Com A		
Wednesday			III B. Sc.	III B Com B		
Thursday			II B Com A	II B. A. & II BBA		
Friday			II B. Sc.	II B Com B		
Saturday						

Walking

Before

After



Sukumar Physical Education Director Poornaprajna College, Udupi.



## EFFECTS OF WALKING

- Walking is the simplest and natural way to work out. You can do it almost anywhere.
- Walking combined with good sleep and a healthy diet can help you avoid the doctor altogether.

As little as 15-30 minutes of walking every day can drastically improve not only a person's overall appearance, but health as well.



Good old walking is a single practice which could significantly benefit the whole body and mind. It's free, easy and requires little effort.



# Walking Technique

Turning your normal walk into a fitness stride requires good posture and purposeful movements.

- Keep your head up. When you're walking, focus on standing tall with your chin parallel to the ground
- Your neck, shoulders and back are relaxed, not stiffly upright.
- You're swinging your arms freely with a slight bend in your elbows. A little pumping with your arms is QK.
- Our stomach muscles are slightly tightened, and your back is straight, not arched forward or backward.



# Here is a list of benefits you can literally walk yourself into:

#### Positive brain changes:

Walking has long been recognized as both an effective form of physical exercise, as well as a too to help gain mental clarity.

- Boots blood flow to the brain
- Better memory and cognitive function
- ♦ Improves oxygen flow to the brain.
- Brisk walking boosts the production of stressbusting endorphins. This, in turn, reduces the stress hormones and alleviate any signs of depression. By opting for this regular exercise you can improve your mood and even increase your self-esteem.









Improved eyesight

Even though eyes might seem like the last thing to be connected with the legs, walking actually benefits their health too. It may even help to fight glaucoma by relieving eye pressure. Brisk walk will help to reduce the high pressure in the eyes and get the blood flowing all over



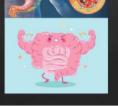
# Prevention of heart diseases and Increased lung volume

- Walking for an average of 30 minutes or more a day can lower the risk of heart disease, stroke by 35% percent
- Walking brings up the heart rate, lowers blood pressure and strengthens the heart.
- Brisk 30-minute walk increases the lung capacity. This also strengthens the lungs. With increased lung capacity, you will breathe easier, and your lungs will stay healthier longer.



# Beneficial effects on the pancreas And Improved digestion

- Helps to improve insulin sensitivity and hence important in the management of diabetes.
- \* walking helps speed up the time it takes food to move from the stomach into the small intestines.



## Toned muscles



Muscle tone and weight loss (in overweight cases) may also be achieved through walking. The practice of walking 10,000 steps a day may be counted as an actual workout in a gym, especially if you add some intervals or walking uphill.



Additionally, it's low impact and there's no recovery time, which means no sore muscles and regrets for missing tomorrow's workout due to being too sore the next day.

# Sturdier bones and joints

Walking can provide more joint mobility, prevent loss of bone mass, and even reduce risk of fractures.

- ♦ Easy and gentle on joints.
- ♦ Helps maintain bone mass.
- Slows the development of arthritis.
- Increases joint flexibility and range of motion.
- Aids in joint fluid circulation, which provides essential oxygen and nutrients.

# Back pain relief

- Walking may become a real life-saver for those who experience back pain during more challenging high impact exercises.
- Since it's a low-impact activity it won't cause more pain or discomfort, like running or HIT would. Walking contributes to better blood circulation within the spinal structures and improves posture and flexibility which is vital for a healthy spine.





"Walk to be healthy, walk to be happy"



# Thank you

#### INTRODUCTION OF

# PHYSICAL EDUCATION & SPORTS INTRODUCTION, MEANING & DEFINITION, NEED & IMPORTANCE IN PRESENT SCENARIO DEPT. OF PHYSICAL EDUCATION OF PH

## INTRODUCTION

## PRIMITIVE SOCIETY V/S MODERN SOCIETY

### **MODERNIZATION**

- Dance, singing, sports and games are the part of the human instinct.
- it tunes with the growth of man and the value system in the society
- · to enjoy life and be happy

- Society is trying to make our life easier
- Physical work of a person is negligible.
- Earning Money is main instinct of human life

# MANUAL LABOR LIFE STYLE TO PUSHBUTTON TECHNOLOGY LIFESTYLE

## INTRODUCTION



What Nature Say's ??

## INTRODUCTION

# PHYSICAL-LIFE V/S TECHNO-LIFE

## MODERNIZATION

- Walking
- Standing
- Participation

- Riding
- Sitting
- Watching

# ACTIVE LIFE V/S SEDENTARY LIFE

# HYPERKINETIC DISEASES

## PREVENTION IS BETTER THAN CURE

## INTRODUCTION

## PREVENTION IS RETTER THAN CUR

- INVENTIONS HAVE BEEN MADE BY MEDICAL SCIENCE TO CURE THE PERSON AFTER THEY BECOME ILL AND ON THE CONTRARY.
- EACH INDIVIDUAL SHOULD CONCENTRATE ON CONTRIBUTING FACTORS OF PHYSICAL-HAPPINESS AND SPARE SOME TIME FOR PHYSICAL LABORS, EXERCISE, NATUROPATHY, YOGA & ASANA, WALKING, JOGGING, SWIMMING, RECREATIONAL GAMES TO BE HEALTHY.
- ACTIVE PARTICIPATION IN THE SCIENTIFIC PHYSICAL EDUCATION AND SPORTS PROGRAM HELPS THE PEOPLE TO BECOME PHYSICALLY FIT AND ACTIVE; MENTALLY SOUND AND SHARP; EMOTIONALLY BALANCED AND CONTROLLED; SOCIALLY WELL ADJUSTED.

# URGENT NEED OF CHANGING OUR ATTITUDE

# ATTITUDE V/S BEHAVIOR



Behaviour

Attitudes are not always very stable and frequently change based on the way of PE & Sports program presented in the institution.

If we change the attitude towards PE & S set in the mind can change our behaviour/action.

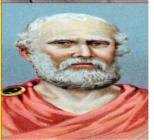
"BETTER TO CONSTRUCT A STADIUM INSTEAD OF CONSTRUCTING TEN HOSPITALS"

- SWAMY VIVEKANANDA

"Lack of Physical Activity will destroy the good conditions of every human being, while movement and methodical physical exercise save it and preserve it"

- Plato (Greek philosopher)





# **INTRODUCTION**

- College days plays a pivotal role in the students life by shaping behaviour towards the development of exercises and sports culture.
- College is the platform to impart knowledge on health & fitness, various sports & games, physical exercise and other numerous areas related to our physique.
- Active participation in the scientific physical education and sports program implemented in the college helps the people to become physically fit and active; mentally sound and sharp; emotionally balanced and controlled: socially well adjusted.
- In the view of the above concept, our college was introduced Physical education and sports is compulsory teaching subject form this year.



Conclusion

Neurological Benefits of Exercise

Sri Sukumar

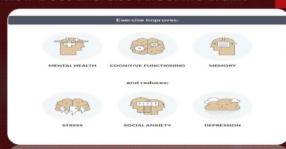
Department of Physical Education
Poornaprajna College And Postgraduate Centre Udupi

## Introduction

- Industrialization brought revolutionary technological innovations like trains, cars, and airplanes, which made our lives easier.
- This ingrained mindset traces back to Western traditions of athleticism.
- Ancient Greece glorified the body with sporting rituals and competition, so much so that the Olympic Games, held in honor of Zeus, could take place.

- Before then, there was no such thing as marathons or sport-oriented societies. The "survival of the fittest" prevailed as a foundation of human evolution
- In other words, you were either fit or, you died. Western cultures have vacillated between extremes, to have shifted from "fitness-for-survival," to "fitness-forentertainment" to "fitness as a privilege."

## How Does Exercise Affect the Brain?



- People exercise for different reasons, but many people stay fit to prevent serious health conditions. These conditions include heart disease, obesity, diabetes, and stroke.
- Other people work out primarily to lose weight. Only a few people exercise with the intent to improve their brain functioning.
- Exercise improves cognitive functioning, mental health, and memory; it also hinders the development of certain neurological conditions.
- While exercising, oxygen saturation and angiogenesis (blood vessel growth) occur in areas of the brain associated with rational thinking and as well as social, physical and intellectual performance
- Exercise drops stress hormones and increases the number of neurotransmitters like serotonin and norepinephrine, which are known to accelerate information processing

# **Neurological Benefits of Exercise**



Moving your body can have a powerful effect on your mind.

Exercise positively influences your brain's:



NEUROGENESIS creates new \*\*\*

Improves how existing neurons work



NEUROCHEMISTRY releases neurotransmitters that improve brain function

# Neurological benefits that come from physical activity

#### These are:

- Decreased stress
- Decreased social anxiety
- Improved processing of emotions
- Prevention of neurological conditions
- Euphoria (short-term)
- Increased energy, focus and attention
- Hinderance to the aging process
- Improved memory
- Improved blood circulation
- Decreased 'brain fog'
- Increases the size of your brain



#### The Best Exercises to Build Brain Health?

#### Which Exercise Is Best?

"Not all exercises are created equal" (Gadd, 2018)

#### To positively impact:





Yoga Aerobies activities



CIRCULATION



Aerobics Walking Cycling



AND ANXIETY



DEBRESSION

Aerobics Resistance

- ▶ For brain fog and concentration: Yoga and gerobic classes
- ▶ For memory: aerobics, walking, and cycling
- ▶ To improve blood circulation: cardio activities (walking, riding a bicycle, running, swimming, kickboxing, skipping rope and skiing)
- ▶ For stress and anxiety: yoga
- ▶ And for depression: aerobic and resistance training

# THANK YOU





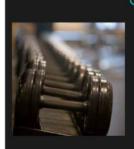
O You hear the words "FIT" or "fitness" used almost every day in conversation, on television, on the radio, in newspapers or in magazines, yet probably you are not quite sure of:

- OThe actual meanings of the words
- OHow to get fit
- OWhether you should bother to get fit



Does "Fit" or "Fitness" mean just one thing?

# What is Fitness??



O Physical Fitness is the body's ability to function efficiently and effectively. It consists of Health Related Fitness and Skill Related Fitness, which have different components, each of which contributes to total quality of life.

# **Health Related Fitness**

- Body Composition
- Aerobic Endurance/Fitness
- Flexibility
- Muscular Strength
- Muscular Endurance

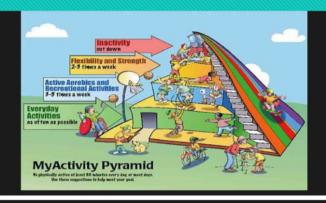


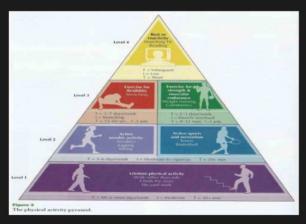
# Skill Related Fitness

- Speed
- Agility
- OBalance
- Coordination
- Reaction Time



# **Physical Activity Pyramid**





# **Physical Activity Pyramid**

# How Much Is Enough?

- Frequency: How often. 3 or 4 sessions per week.
- Intensity: How hard. It is important to get the heart rate up (within a safe range) for improvement to occur.
- Time: How long. To get any real benefit you must exercise for at least 20 minute and continuously.
- Type: For aerobic fitness choose aerobic type training eg.Running, swimming, cycling, etc.

# The Stats

- Only half (49.8%) of Australian adults aged 25 years and over (55.6% males and 44.3% females) were undertaking "sufficient" physical activity to maintain good health.
- "Sufficient" was defined as at least 150 minutes of physical activity time a week.
- Approximately 1 in 6 (15.6%)
- reported no participation at all.



# Why Bother?

## If you are active and fit, you decrease your risk of:

- O Dying of heart failure
- Adult onset diabetes
- Osteoporosis
- Other hypokinetic diseases



 Being overweight is largely determined by your level of physical activity (as well as your nutritional habits).



Dept. of Physical Education and Sports, Poornaprajna College, Udupi



Science
Behind the
Exercise and
Sports

# Here we learn the basics of :

- Physiology
- Psychology
- biomechanics
- nutrition and diet
- · Anatomy of human body

\* Exercise/Sports Physiology

# INTRODUCTION





- In ancient world, every individual had hard work associated with his profession.
- Which is lacking in modern world and hence inculcating a definite time and regular exercise to be a part of our life style is a MUST.

## **EXERCISE - MEANING**



EXERCISE
is the repeated
rhythmic
movements given
to body parts to
keep it healthy
and develop the
body parts

Exercise/Sports Physiology

# PHYSIOLOGY- MEANING

Sprinting



- o the branch of biology that deals with the normal functions of living organisms and their parts.
- the way in which a living organism or bodily part functions.

# **EXERCISE PHYSIOLOGY - MEANING**





# Is the study of

- HOW exercise and sports will affect/effect on body organ.
- HOW our body will react to the exercise and sport.

Exercise/Sports Physiology

# BENEFITS OF EXERCISE – IN GENERAL





# \* Exercise/Sports Physiology PHYSIOLOGICAL BENEFITS OF EXERCISE Immediate response

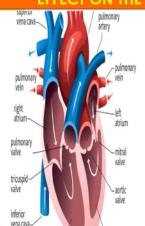


rate increases





#### Exercise/Sports Physiology **EFFECT ON THE HEA**



Oxygen rich blood is pumped out of the heart to the muscles and organs via artery's (red areas)

De-oxygenated blood is returned to the heart via veins (blue areas)

Artery's have plenty of pressure on them from the heart contracting to force the blood away from the heart

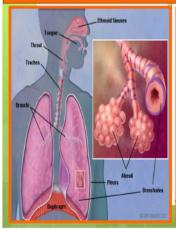
Veins however are not under any pressure. To stop the blood going backwards veins have valves

# EFFECT ON THE HEART - EXERCIESE



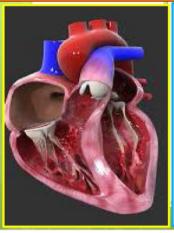
- 5-6 liters of blood is pumped out of heart/min - WLAKING
- In moderate-20liters/minJOGING
- Severe exercise-35 liters/min - RUNNING
- Cardiac output is directly proportional to oxygen consumption
- This is due to increased heart rate and increased stroke volume
- (70ml/contraction)
- □ CO=HR x SV

# EFFECT ON THE LUNGS — EXERCIESE



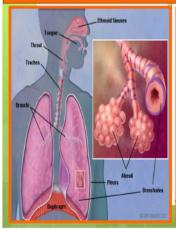
- During exercise there is increase in CO<sub>2</sub> of blood
- Chemoreceptor in medulla are stimulated
- Stimulation of dorsal respiratory group of neurons
- Increase the rate of respiration
- Removal of CO<sub>2</sub> is increased

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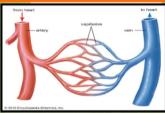
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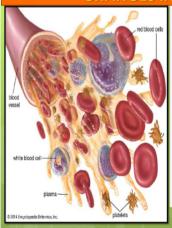
# THE HEART AND LUNGS - TOGETHER





- □ The heart and lungs are connected to supply the body with oxygen rich blood and work together to take away and get rid of carbon dioxide
- This happens at the capillary networks that cover the alveoli and muscle cells

## CHANGES IN THE BLOOD



- Mild hypoxia: which increases CO<sub>2</sub> concentration will lead to pH decrease
- It stimulates the juxtaglomerular cells to synthesize erythropoietin
- So that there is a production of RBCs
- There is increased heat production during exercise which increases the body temperature

## CHANGES IN THE BLOOD



- To compensate the body temperature sweating and fluid loss occurs resulting into decreased blood volume which is also due to vasodilatation in skin
- Decreased blood volume results in Hemoconcentration i.e. water is lost through plasma
- That's why severe exercise can even cause dehydration

# CHANGES IN THE BLOOD



- Systolic = the pressure exerted on the walls of the arteries when the heart contracts
- Diastolic = the pressure on the walls of the arteries as the heart relaxes (fills)
- Normal BP tends to be around:120/80 mmHg.



SUKUMAR
PHYSICAL EDUCATION
DIRECTOR
POORNAPRAJNA
COLLEGE, UDUPI.

## **POSTURE**

Posture is the correct alignment of the body segments.



Without **posture** and the muscles that control it, we would simply fall to the ground.



The **cerebellum** is important for making **postural** adjustments in order to maintain balance. Cerebellum(back of **brain**) is a small part of the brain positioned at the back of the head, where it meets the spine, which acts as

the body's movement and balance control centre.

It controls balance, movement, and coordination (how your muscles work together)

# There are Two types of Posture:

- Static posture
   (sitting, standing)
- Dynamic Posture (walking, running)

#### Active Posture

#### Static Posture

- Pattern of posture is constant.
   Body and its segments are
- aligned and maintained in certain positions
  - E.g. Standing, kneeling,
  - sitting

#### Dynamic Posture

- Pattern of posture is constantly modified
- Body and its segments are
- moving

   They form an efficient base for movement
- eg. Walking, running, jumping, throwing, lifting



#### Values of good posture:

- Hygienic value :Since the body is erect and straight all internal organs are suspended properly the can function efficiently and perfectly
- Economic value: By the way good posture one can get job opportunity and earn his livelihood
- ➤Social value: Good posture is always attractive and there by get respect from the society.
- Spiritual value :The spirit is uplifted with physical uplift of the trunk. The glory of the raising sun is never seen by one walking with protruding head and abdomen and flat feet.

#### Causes of Bad Posture

- 1.Injury
- 2.Disease
- 3.Habit
- 4. Muscular or nervous weakness
- 5.Mental attitude
- 6. Heredity
- 7.Improper clothing

# **BAD POSTURE**

- 1. Round Shoulder
- 2. Kyphosis
- 3. Lordosis
- 4. Flat back
- 5. Scoliosis



Round shoulder: Resting shoulder position that has moved forward from the body's ideal alignment.



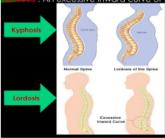




## **Kyphosis and Lordosis**

Kyphosis: An abnormal forward rounding of the upper back.

tordosts: An excessive inward curve of the spine.





#### Exercises for Kyphosis and Lordosis





rial back:Pelvis is tucked in and lower back is straight instead of naturally curved, causing you to stoop forward.







Scoliosis: is a sideways curvature of the spine.

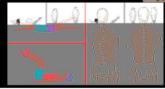
# Scoliosis











**Exercise for scoliosis** 

## Types of A Good Posture

- 1.Inactive Posture (sleeping ,rest)
- 2. Active Posture ( muscular activity)
- Standing position or posture
- Sitting position or posture
- Lying position or posture
- ➤Walking posture
- ➤Sitting position or Posture
  - √Simple Sitting
  - ✓Reading , while sitting
  - ✓Writing , while sitting









#### Bad Good **Posture** Posture Results in... Results in... Prevents back pain · Lower pack pain · Maintain proper · Shoulder pain Neck pain muscle and joint usage · Frequent Prevent spine from headaches forming into TMJ dysfunction abnormal positions · Bone spurs · Center your balance · Intervertebral disc Reduce stress damage · Promote efficiency · Fibrotic scar tissue · High blood since muscles, joints and bones are pressure being use optimally · Breathing problems Encourage Fatigue confidence and good morale

Sukumar Physical education director POORNAPRAJNA COLLEGE UDUPI.



- A vitamin is an organic molecule that is an essential micronutrient which an organism needs in small quantities for the proper functioning of its metabolism.
- ➤ Vitamins are substances that our body needs to grow and develop normally. And perform hundreds of roles in the body. They help shore up bones, heal wounds, and bolster your immune system. They also convert food into energy, and repair cellular damage.
- Our body does not produce enough vitamins and hence it must be obtained through the diet. However, both deficient and excess intake of a vitamin can potentially cause clinically significant illness.



# Types of Vitamins

Vitamins and minerals are two of the main types of nutrients that our body needs to survive and stay healthy. Vitamins help our body grow and work the way it should.

There are 13 essential vitamins are required for the body to work properly.



Vitamin B1 (thiamine)
Vitamin B2 (riboflavin)
Vitamin B3 (niacin

Pantothenic acid (85)

Folate (folic acid and B9)

Vitamin B12 (cyanocobala

- Vitamin A
- Vitamin C
- Vitamin D
- Vitamin E
- □ Vitamin K
- Vitamin B1 (thiamine)
- Vitamin B2 (riboflavin)
- Vitamin B3 (niacin)
- Pantothenic acid (B5)
- Biotin (B7)
- Vitamin B6
- Vitamin B12 (cyanocobalam
- Folate (folic acid and B9)



# Classification of Vitamin

Vitamins are generally classified as water-soluble vitamins and fatsoluble vitamins.

 Fat-Soluble Vitamins: These types of vitamins are stored in the fatty tissues of the body and liver and are stayed for the longer time. And these are absorbed through the intestinal tract with the help of lipids (fats).

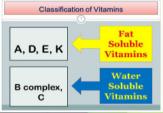
There are 4 fat-soluble vitamins:

- Vitamin A
- Vitamin D
- Vitamin E
- Vitamin K

2.Water Soluble Vitamin: These types of vitamins are dissolve easily in water, unable to store in the body and are excreted in the urine. These vitamins must be supplied to our bodies with regular diets. Although, the body keeps a small reserve of these vitamins, they have to be taken on a regular basis to prevent shortage in the body.

There are 9 water-soluble vitamins:

- Vitamin C
- Vitamin B-group



#### **Functions of Vitamins**

Each of the vitamins listed below has an important job in the body. A vitamin deficiency occurs when you do not get enough of a certain vitamin. Vitamin deficiency can cause health problems.

<u>Vitamin A</u>: Also known as Retinol promotes cell growth, helps regulate immune system, promotes growth of healthy skin, hair and teeth and improves night vision. It helps keep eyes healthy, It strengthens the retina and maintains the good vision.

Vitamin A is rich in oranges, yellow fruits, spinach, egg yolks, soya milk, carrots, tomatoes, green peas, watermelon, mangoes, fish liver oil, broccoli.





Vitamin C, also called ascorbic acid, is an antioxidant that promotes healthy teeth and gums. It helps the body absorb iron and maintain healthy tissue. It is also essential for wound healing.

► Vitamin D is also known as the "sunshine vitamin," since it is made by the body after being in the sun. Ten to 15 minutes of sunshine 3 times a week is enough to produce the body's requirement of vitamin D for most people at most latitudes. People who do not live in sunny places may not make enough vitamin D. It is very hard to get enough vitamin D from food sources alone. Vitamin D helps the body absorb calcium. You need calcium for the normal development and maintenance of healthy teeth and bones. It also helps maintain proper blood levels of calcium and phosphorus.



- Vitamin E is an antioxidant also known as tocopherol. It helps the body form red blood cells and use vitamin K.
- Vitamin E is a fat-soluble nutrient found in many foods. In the body, it acts as an antioxidant, helping to protect cells from the damage caused by free radicals. Free radicals are compounds formed when our bodies convert the food we eat into energy.



- <u>Folate</u> works with vitamin B12 to help form red blood cells. It is needed for the production of DNA, which controls tissue growth and cell function. Any woman who is pregnant should be sure to get enough folate. Low levels of folate are linked to birth defects such as spina biffida. Many foods are now fortified with folic acid.
- ▶ Pantothenic acid is essential for the metabolism of food. It also plays a role in the production of hormones and cholesterol.
- <u>Riboflavin</u> (vitamin B2) works with the other B vitamins. It is important for body growth and the production of red blood cells.
- ► <u>Thiamine</u> (vitamin B1) helps the body cells change carbohydrates into energy. Getting enough carbohydrates is very important during pregnancy and breastfeeding. It is also essential for heart function and healthy nerve cells.

	·				
Vitamin	Solubility	US recommended distary allowances	Deficiency disease	Overdose syndrome/symptoms	Food sources
Vitamin A	Fat	900 µg/700 µg	Night blindness, hyperkerstosis, and kerstomasses=	Hypervitaminosis A	Flah in general, meat and dairy products;
Vitamin 01	Water	1.2 mg/1.1 mg	Beriberi, Wernicke-Korsakoff syndrome	prowsiness and muscle relaxation[14]	Pork, wholemeal grains, brown rice, vegetables, potatoes, liver, eggs
Vitamin 82	Water	1.3 mg/1.1 mg	Ariboflavinosis, glossitis, angular atomatitis		Dairy products, bananas, green beans, asparagus
Vitamin 83	Water	16 mg/14 mg	Pellogro	Liver clamage (doses > 2g/day)*** and other problems	Mest, fish, eggs, many vegetables, mushrooms, tree rule
vitamin us	water	a mgra mg	Paresthesia	Diarrhea; possibly nausea and heartburn.(16)	Mest, broccoti, avocados
Vitemin B6	Water	1.3–1.7 mg/1.2–1.5 mg	Anemia.*** Peripheral neuropathy	impairment of proprioception, nerve damage (doses = 100 mg/day)	Mest, vegetables, tree nuts, bananas
Vitamin 87	Water	At: 90 µg/90 µg	Dermatitis, enteritis		Raw egg yotk, liver, peanute, leafy green vegetables
Vitamin 89	Water	400 Mg/400 Mg	Megalobiastic anemia and deficiency during prognancy is associated with little defects, such as neural tube defects	May mask symptoms of vitamin B12deficiency; other effects.	Leafy vegetables, pasta, bread, cereal, liver
Vitamin 812	Water	2.4 µg/2.4 µg	Vitamin B., deficiency anemia/≃	None proven	Mest, poutry, fish, eggs, milk
Vitamin C	Water	30 mg/75 mg	Scurvy	Stomach Pain, Diarrhoea and Flatulence.[19]	Many fruits and vegetables, liver
Vitamin D	Fat	15 µg/15 µg	Plickets and osteomalacia.	Hypervitaminosis D	Figgs, liver, certain fish species such as sardines, certain mushroom species such as shittee
Vitamin E	Fist	15 mg/15 mg	Deficiency is very rare: mild hemolytic anemia in newborn infants <sup>(re)</sup>	Possible increased incidence of congestive heart failure.	Many fruits and vegetables, nuts and seeds, and seed oils
Vitamin K	Pot	At 110 pg/120 pg	Bleeding disthesis	Decreased anticoagulation effect of warfarin.~	Leafy green vegetables such as apinach; egg yoka; liver



# **Physical Education Online Class test**

# Questions with Correct response and Result analysis

Q2. What are the 2 types of physical fitness?

Q9. Which of the following is the example for aerobic activities

**250** / 663

Q 10.For endurance dominating sports the diet should be rich in---

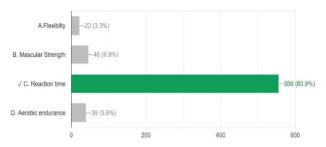
108 / 663

Q.13 Aerobic efficiency can be best improved by 221 / 663

Q,14 Obesity does not cause 267 / 663

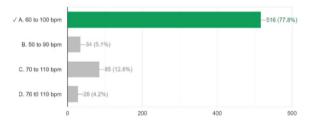
#### Q3. Which of the following is not "health related fitness"

556 / 663 correct responses

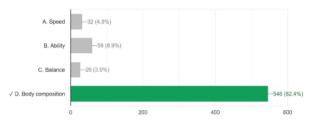


#### Q4. Select the Normal resting heart rate for adults range

516 / 663 correct responses

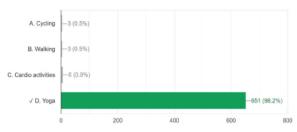


#### Q5.Which of the following is not skill related fitness?

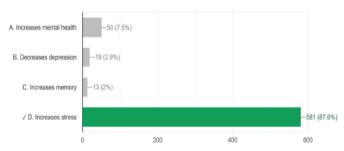


#### Q6.Which is the best exercise for concentration?

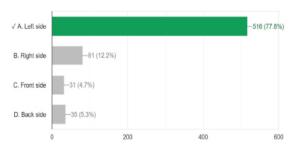
651 / 663 correct responses



Q7. Exercise improves \_\_\_\_\_ Select the wrong answer 581 / 663 correct responses

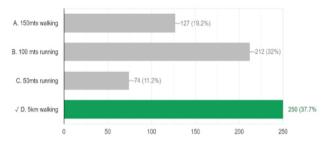


Q8. Which part of brain controls the right side's extremities



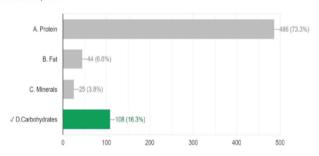
#### Q9. Which of the following is the example for aerobic activities

250 / 663 correct responses

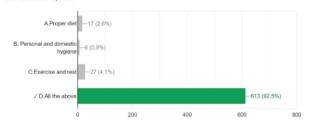


#### Q 10. For endurance dominating sports the diet should be rich in---

108 / 663 correct responses

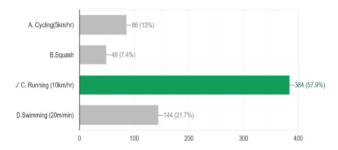


# Q 11.Necessary basic conditions for good health include



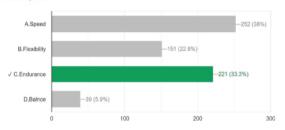
#### Q.12, Which activity burns the maximum calories

384 / 663 correct responses

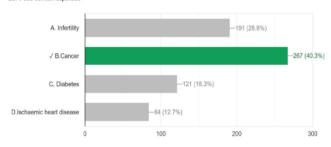


#### Q.13 Aerobic efficiency can be best improved by

221 / 663 correct responses

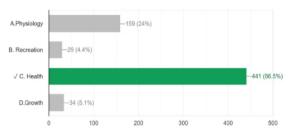


#### Q,14 Obesity does not cause



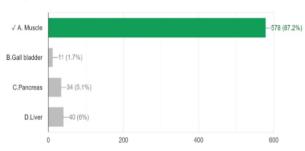
# Q.15 What is a state of complete physical mental and social well being and not merely the absence of disease and deformity?

441 / 663 correct responses

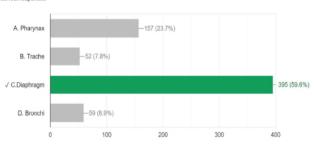


Q.16 ATP is stored in --

578 / 663 correct responses

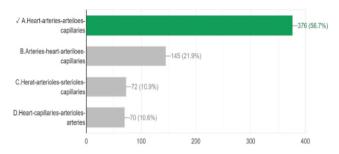


#### Q.17, Which of the following is not a pathway of air during respiration



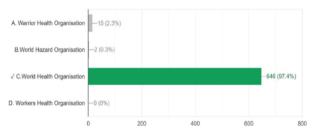
#### Q.18. What is the correct sequence of blood circulation

376 / 663 correct responses

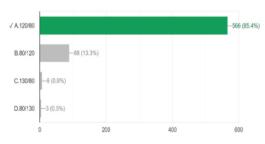


#### Q.19.Expand WHO

646 / 663 correct responses



#### Q.20.Normal Blood Pressure in adults is



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Names/2020-10-01 15:39@rrival time
chinmayi h s
shahjahan igbal
sharath k
surabhi
sinchana g
preethika
rashmitha r
suhan k amin
preetham poojary
supriya tendulkar
akash d
karthika sundar
chaya bangera
sakshi pawaskar
sharadhi prabhu
sahana sherigara
varsha sudhakar
ankitha sherugar
prajna r.k
swasthik shetty
dhanush moger
shivaraj
revathi
navya i shetty namratha i shetty
maneesha prabhu
sharan s shetty
karthik rao
raksha shetty
elvis menezes
195 72 shifali tg205:39 (26min) [16:05]
197 48 moolya anvita 2015:39 (0min) [15:39]
197 29 sanjith upadhyaya 2015:39 (1min) [15:40]
195 58 deeksha 2025:39 (1min) [15:40]
195.52 aishwarya m shetty205:39 (1min) [15:40]05:50 (0min) [15:50]
196 04 archana bhat 2015:39 (Omin) [15:39]
195 08 deepthi mendon 2015:39 (0min) [15:39]
196 77 k rajani bhat 205:39 (5min) [15:44]
197 49 naksha 205:39 (1min) [15:40]
196 87 lasya shetty 205:39 (Omin) [15:39]
196 24 shivani shetty 2025:39 (1min) [15:40] 205:42 (0min) [15:42]
195 46sandhya kodancha 2015:40 (1min) [15:40] 215:41 (1min) [15:41]
197 34 aishwarya pai@25:40 (Omin) [15:40]
195 28 varshitha pavithra 2015:40 (Omin) [15:40]
195.12 nikitha205:40 (1min) [16:07]06:08 (0min) [16:08]
197 18 rashmitha[205:40 (Omin) [15:40][206:06 (Omin) [16:06][206:09 (Omin) [16:09]
196 68 shreya bhat 2015:40 (Omin) [15:40]
196 23 sanjana (2015:40 (1min) [15:40]
197 68 thwishal 5:40 (Omin) [15:40]
196 84 apoorva bairy 205:40 (1min) [15:41] 25:42 (0min) [15:42] 26:05 (0min) [16:05]
195 69ramyashree 2015:40 (6min) [15:46]
19 511kavyashree kavya. ski205:40 (Omin) [15:40]05:47 (18min) [16:05]
197 37 anisha dmello 205:40 (2min) [16:09]
195 24 sowmya 2025:40 (1min) [15:41]
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195 71 sanjana (2015:40 (1min) [15:41] (205:46 (0min) [15:46]

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195 75 sinchana p225:40 (1min) [15:41]
195 60 deeksha v205:40 (0min) [15:40]
197 11bhavana gaonkar[20]5:40 (Omin) [15:40][06:00 (2min) [16:08]
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195 36 shrishanth@5:40 (12min) [16:18]
197 52nidhi@05:40 (0min) [15:40]
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aakash anchan 2015:40 (0min) [15:40] 05:57 (11min) [16:18] 016:17 (1min) [16:18]
196 37 yoshna h kanchan 205:40 (Omin) [15:40]
197 23 harshith patil@05:41 (5min) [16:13]
197 82 pramod705:41 (0min) [15:41]
195 56 archana devadiga (185:41 (1min) [15:41] (195:41 (0min) [15:41]
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197 61 shravya poojary 2015:41 (Omin) [15:41]
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196 82 amshumalini205:41 (Omin) [15:41]05:57 (Omin) [15:57]
19 610 kripa ballal205:41 (9min) [16:05]
197 44 mahima k205:41 (Omin) [15:41]05:42 (1min) [16:07]
195.30 akshay v kotian 205:41 (Omin) [15:41]
197 01 sanath acharya 275:41 (Omin) [15:41]
195 21 shruthi naik@05:41 (0min) [15:41]
195 64 madhura 2015:41 (Omin) [15:41]
197 57 raksha@05:41 (Omin) [15:41]@5:42 (Omin) [15:42]
197 46 megha bugde 25:41 (2min) [15:44]
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197 12 jagruthi sanil 2015:41 (Omin) [15:41]
195 10 geeta bhatkal 2015:41 (Omin) [15:41] [15:42] (Omin) [15:42]
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195 68 raksha g.g205:42 (0min) [15:42]
197 56 prathiksha 2015:42 (Omin) [15:42]
mounisha@05:42 (Omin) [15:42]
195 78thanuja ganiga 205:42 (0min) [15:42]
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195 19 shreenidhi? 125:42 (0min) [15:42]
195 66 melrin mendonca 2015:42 (Omin) [15:42]
197 76 dhanush nayak 2015:42 (Omin) [15:42] 206:02 (Omin) [16:02]
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196 64 nayana 205:43 (Omin) [15:43]
197 79 k.s.deepakl 15:43 (Omin) [15:43]
196 63 kavval 15:44 (0min) [15:44]
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195 67 p dhrathi shetty 205:43 (Omin) [15:43] 25:44 (Omin) [15:44]

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19 733 shreesha@5:45 (22min) [16:18]
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195 65 megha@05:45 (0min) [15:45]
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197 15 karunya udupa [20]5:45 (Omin) [15:45]
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19.516 sandhval205:45 (9min) [16:05]
197 21 ankith@5:46 (Omin) [15:46]
195 31dhruva stat5:46 (Omin) [15:46]a5:46 (Omin) [15:46]a5:50 (Omin) [15:50]a6:04 (Omin) [16:04]
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196 97vaibhav[70]5:46 (0min) [15:46]
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k geetha bhat 225:46 (Omin) [15:46]
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196 36 varsha 205:46 (Omin) [15:46]
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195 33 sangam bangera 705:47 (19min) [16:05]
196 31 sushmitha shetty 2015:47 (1min) [15:47]
196 11 kushi@5:47 (Omin) [15:47]
19 686 divya shetty 25:47 (10min) [16:06]
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195 38umarfaruq@35:47 (1min) [16:06]
197 30 sannidhi rao@5:47 (21min) [16:08]
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196 03 anusha kumari 205:49 (Omin) [15:49] 26:16 (Omin) [16:16]
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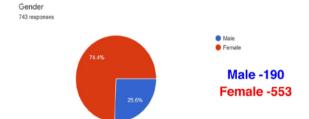
#### **FEEDBACK ANALYSIS**

# Students Feedback on Physical Education Online Classes

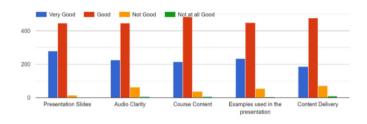
Total number of Students response -743

Name : Sri Sukumar

Physical Education Director Poornaprajana College Udupi



#### Please indicate your perception on the following aspects



## Total number of students response 743

Presentation slide: very good - 281

: Good - 446 : Not good - 15

: Not at all good -00

Course Content ; Very good - 214

: Good - 486

: Not good - 37

:Not at all good - 06

# Example use in the Presentation: Total numbers of response 743

: Very good - 236

: Good - 450

:Not good - 53

:Not at all good - 04

## Content delivery: total number of response 743

: Very good - 185

: Good - 447

: Not good - 72

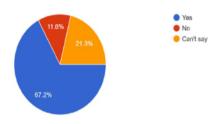
: Not good at all - 08

Audio clarity : Very good --227

:Good -- 447 :Not good -63

: Not good at all -6

Do you think Physical Education Online theory classes were useful to you? 743 responses



Yes - 499 Can't say- 158 No - 96

