

PRIYADARSHINI ENGINEERING COLLEGE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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EEE

PEP

JUNE

2014

ABOUT THE INSTITUTE

PEC EEE MAGAZINES

Priyadarshini Engineering College, the flagship of Jai Barath Charitable Trust, was established in 1995 at Vaniyambadi in Vellore District of Tamil Nadu. The college has been approved by All India Council for Technical Education, New Delhi & affiliated to Ana University, Chennai. Priyadarshini Engineering College situated in the rural area of Vaniyambadi, Vellore District is committed to the vision of developing itself into a multi-campus, Inter-disciplinary Institution of Excellence through symbiotic efforts and innovative practices of management and faculty to provide the student with an ambient academic environment, ideal for the pursuit of knowledge and development carrier.

VISION OF THE INSTITUTE

To inculcate in the young rural minds the aptitude to compete with the quality technocrats

MISSION OF THE INSTITUTE

- *To instill technical skills to compete in the sustainable world*
- *To impart holistic value based technical education*
- *To intensify research and development (r & d) activities in technological development*
- *To imbibe core values of love for motherland performance of duty, compassion, tolerance, honesty and integrity*

MOTTO

Perseverance, Endurance, Commitment

“கற்றலும், கற்றவை கேட்டலும்,

PRINCIPAL MESSAGE



I would like to welcome you back for the start of our new work ahead in the year. It is our mission to empower the learners to grow academically socially and emotionally by developing and supporting independent thinker and problem solvers, who strive for excellence in the class room and in the society throughout the year. I welcome and encourage your involvement in participation and input in making our college the best educational institution imparting technical education to all our students. Let us develop our college strategic plan with set targets and time frames to evaluate as to where we have succeeded or trailed and what to do improve, strengthen our teaching skill and introduce new methods in studies, in the conduct of examinations and provide an opportunity to a student to assess our lectures every semester. Also let us allow both teaching and non-teaching staffs to assess themselves in most in the most objective manner possible in order to enable the management to take realistic judgement whenever they approach for readressal of any grievances. Through this initiation we hope to attend the world class status in society and education system.

A desire can change nothing

A decision can change something

A determination can change everything

Life throws a set of challenges in everybody. An engineer has to face challenge in his/her domain areas, with strong innovative ideas, and with scientific knowledge. One's commitment to become an engineer, a devotion shown to studies in the college will bear fruits and will be palatial throughout one's life.

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VICE PRINCIPAL MESSAGE



It is no secret that community service is an important aspect of any student's overall performance. A significant community service is excellent not just for the personal growth and development of the sensibilities of a young student but also providing material for interviews down the line. There are many ways that one can help the less fortunate and get involved in the process of rebuilding. This can begin at home with one getting involved helping domestic staff, security drivers and other residents in the neighbourhood who are facing difficulties. History has always regarded the pattern of rebuilding people after the cycle of destruction. Japan is an example, having survived both the effects of war and National disaster. For those inclined to believe in the power of prayer, one's daily remembrance can include those who are suffering. The prayer goes beyond our daily needs and wants and in silence; one can really sense the bond that connects all humanity, beyond the barriers of religion caste and our personal ideas of family. The universal language of grief, brings about a deep connection that really reminds us of "Being Human".

HOD
MESSAGE



It is an occasion of great and satisfaction for the department of EEE, EEE PEB to bring out the third issue of the yearly of the technical magazine ,it gives me immense pleasure to note that the response to the magazine has been overwhelming. The wide spectrum of articles gives us a sense of pride that our students and faculties possess creative potential and original thinking in ample measures. Each article is entertaining interesting and absorbing , I applaud the contributors for the stimulated thoughts and varied hues in articles contributed

VISION OF THE DEPARTMENT:

To produce eminent electrical engineer specifically from the rural background.

MISSION OF THE DEPARTMENT:

- *Infuse moral ethics and good virtues to the students.*
- *Providing good technical knowledge for innovative research and development*
- *Making them excellent in extracurricular activities*

PEC EEE MAGAZINES

ART WORK



GNANASEKARAN V
IV YEAR / EEE

PENCIL DRAWING



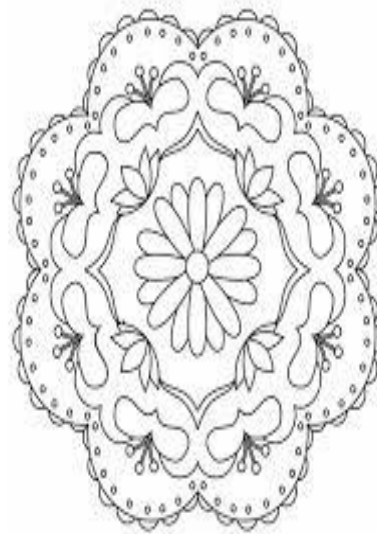
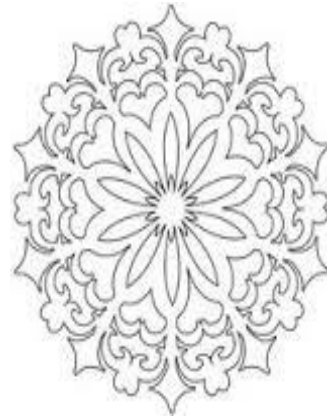
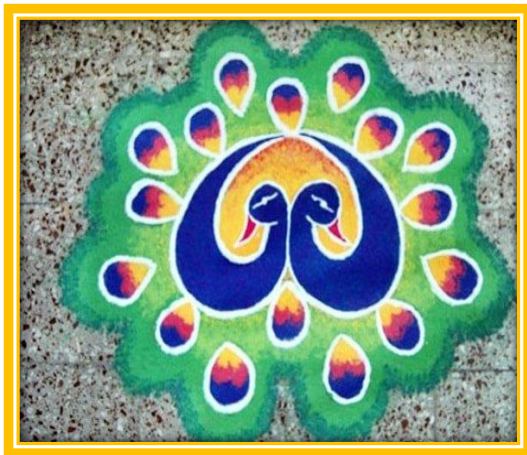
SANGEETHA S
IV YEAR/EEE



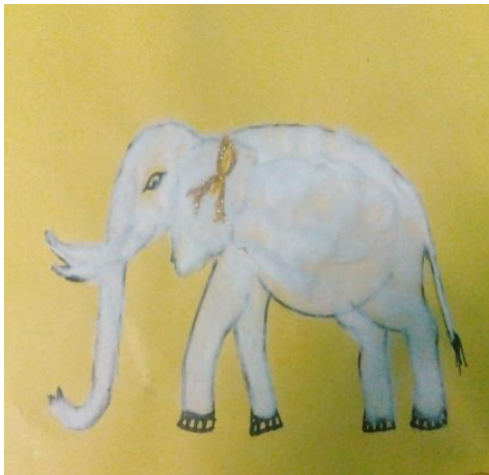
ARAVINTH RAJ M
IV YEAR / EEE



RAMU D
IV YEAR/ EEE



CRAFT WORK



KUMARAVEL R
III YEAR/ EEE

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MEHANDHI DESIGN



RIDDHI N DODIA
III YEAR EEE



POORNIMA
DEVI. S
II YEAR/EEE



NAGEENA
SUMAN P K
IV YEAR /EEE

KAVITHAIGAL

RAIN

Whenever it rains, I feel so free
Free as a bird, rain is my life
Washing away my troubles
Quenching my sun baked soul
While others rush for cover
I stroll among the empty streets
The rain dancing upon my lips
Looking up at the gray clouds
I open my mouth to catch the rain
Laughing at the silliness of it.
Whenever I am sad
The rain hides my tears
And soothes me with
The fresh clean air

The soft-pitter-patter on my window
Lulls me to sleep as it sings its
lullaby
I let out a sigh
As I wave goodbye
To the departing clouds
The sun shining through
Until next time rain
For now I bid u the
farewell...

By,
Nivedha.ஃ.

பெற்ற கடமைக்கு தந்தை ஒரு பக்கமும்
வளர்த்த கடமைக்கு அண்ணன் ஒரு
பக்கமும்
மணந்த கடமைக்கு கணவன் ஒரு
பக்கமும்
படிபடி கடமைக்கு நண்பன் ஒரு பக்கமும்
வண்ண சூழந்தொலை ... அன்புணம் சூர்
இடத்தில் முடிந்தது....
கடந்தவந்த பாதையை திரும்பி பார்த்து....
வணக்கு நாளை அருகில் உயி ரொண்டம்
உயிரில் உள்ள சூக்களாவது இவ்வூலில்
வணக்கென சூத்தது அன்று.

நம்பிக்கை

திருக்குவளை அறிவுழகன்
கரைகளே...
நெருப்பாய் இருந்தால்
நதிக்கொன்றும்
நஷ்டம் இல்லை...
நண்பர் உனக்கு
நம்பிக்கை இருந்தால்
தடைகளொன்றும்
கஷ்டம் இல்லை

NIVEDHA.S
III YEAR/ EEE

TIPS FOR A GOOD PRESENTATION by Naveen Prasanth M(IV YEAR/EEE)

Before Slide Design:

Learn about the topic and completely analyze the topic and contents to deliver before starting to prepare the slides for the presentation. Also be conscious about the given time and slide count limit.

During Slide Design:

- 1) Make your slides look calm, pleasing and legible. Do not overload your slides with contents (texts, images, tables or graphs) if you are not planning on explaining them.
- 2) Form a synopsis at the beginning if your slide count is large (20+ slides), giving a heads up to the audience at the beginning about the topics you're about to cover.
- 3) Have a pen and a sheet of paper near you while preparing the slides (or keep a Notepad open in your PC). Write down (or type in case of a notepad) about what you're going to say in the current slide. After forming the idea, type the content in the form of hints in the presentation. If you type everything in the presentation, you're of no use to the audience.

Say for example you need to explain about the 'Thirsty crow story' in a slide. This is what you'll put in the slide.

- > Hot Summer day - Draught everywhere - No water
- > Crow - Thirsty - Searched everywhere
- > Found Water at last
- > Problem: Water - Deep down - Not reachable
- > Thought for a while
- > Solution: Pebble stones - Dropped inside pot
- > Thirst quenched - Crow - Happy

So, form contents in such a way that the audience can get the basic overview about the slide but are in need of you to explain them about the stuffs

- 4) Design the flow of your presentation. Your presentation should have an easily understandable and coveting introduction, a body and a good futuristic conclusion.
- 5) Use pictures as much as possible instead of texts. Remember, a picture is worth a thousand words.

After Slide Design:

1 Be familiar with the slides. Know the ins and outs of the slides, i.e.: what comes next and before each slide. Even if there's a technical issue with the projector, you'll be able to proceed with one or two slides.

2. For most of us, a presentation is a learning process and definitely not something we do on a daily, weekly or even monthly basis. Therefore, it is important to know your strengths and weakness to boost your confidence level.

3. PRACTICE, PRACTICE and PRACTICE. Even Steve Jobs, one of the greatest Orator, would rehearse the presentation at least 10 or 15 times before presenting it. So, it's best if you Practice and Rehearse. Present before a friend or Present before a mirror. You can even Record your presentation and review it on your own to rectify yourself.

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RECYCLING QUIZ

1. Which of the following cannot be recycled?

- A. Milk cartons
- B. Plastic water bottles
- C. Glass containers
- D. Paper bags

E. **None of the Above** – That's right, all of these items listed can and should be recycled!

2. Who can recycle?

- A. Your teachers
- B. **Everyone** – so sort through your garbage and head to the recycling center!
- C. Your best friend
- D. You
- E. Your mom

3. If you recycle one ton of paper, how many trees can you save?

- A. One
- B. Nine
- C. **Seventeen** – Studies have proven that one ton of paper is equivalent to seventeen fully grown trees.
- D. Thirty-five
- E. One Hundred

4. How many times can glass be recycled?

- A. None, glass can't be recycled!
- B. Once
- C. Four times
- D. Twenty times
- E. Forever - that's the amazing thing about glass, it never wears out

5. How many plastic bottles do Americans go through every year?

- A. 1.8 million
- B. **2.5 million** – and that number is rising every year. If every American household recycled just one out of every ten of the plastic bottles they used, we'd keep 200 million pounds of plastic out of landfills every year.
- C. 5.3 million
- D. 7.1 million
- E. 9.4 million

6. How much junk mail do Americans receive in one day?

- A. **Enough to heat 250,000 homes** – The average American spends 8 months of their lives opening junk mail, so save your time and some trees and recycle that paper!
- B. Enough to power a TV for one year
- C. Enough to fill 10sq. miles in a landfill
- D. 1000 trees worth
- E. Both C and D

7. The average aluminum can is made up of how much recycled aluminum?

- A. 10%
- B. 30%
- C. **50%** - Last year alone, the 36 billion aluminum cans landfilled had a scrap value of more than \$600 million. If we don't recycle them, someday we'll be mining our landfills for the resources we're burying.
- D. 70%
- E. 100%

8. Annually, how much plastic film does America produce?

- A. Enough to wrap up Alaska
- B. Enough to stretch around the world twice
- C. Enough to cover Connecticut
- D. **Enough to shrink wrap Texas** – that's nearly 268,820 square miles of plastic!
- E. Enough to go to the moon and back

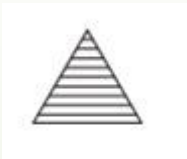
ASHWIN RAJ.S II YEAR EEE

PUZZLES

1. Draw the missing figure in the above sequence?



Answer

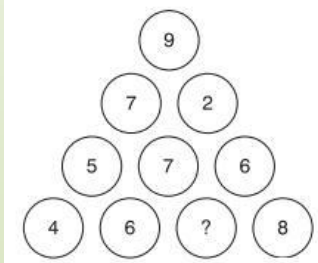


Ans:

Sol.

The sequence progresses circle, triangle, diamond with alternate horizontal/vertical lines.

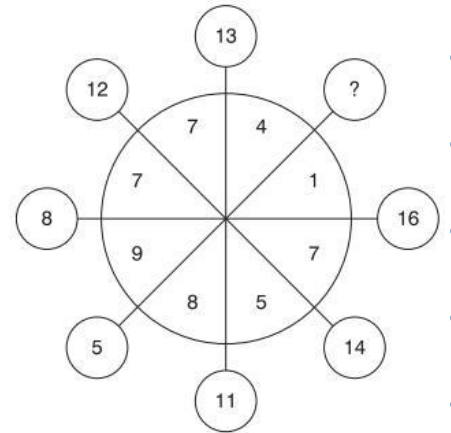
2. What number should replace the question mark?



Answer

Ans: 0.

3. What number should replace the questionmark?



Answer

Ans: 17.

Sol.

It is the sum of the two digits(9 + 8) in the quadrant opposite.

ARSHAD MASHOOD.P
IIIRD YEAR EEE

Twelve Things To Remember

- The power of love*
- The importance of forgiveness*
- The influence of patience*
- The success of hardwork*
- The value of time*
- The glory of character*
- The fruit of prayer*
- The virtue of silence*
- The wisdom of selfcontrol*
- The joy of imagination*
- The pleasure of humour*
- The presence of god*

SECRETS OF LIFE

- The most selfish one letter word*
I (avoid it)
- The most satisfying two letter word*
We (use it)
- The most poisonous three letter word*
Ego (kill it)
- The most used four letter word*
Love (value it)
- The most pleasing five letter word*
Smile (keep it)
- The fastest spreading six letter word*
Rumour (ignore it)
- The hardest working seven letter word*
Success (achieve it)
- The easiest eight letter word*
Jealousy(distance it)

The words of a man, while dying, are the most significant words, as they have been made after carefuldeliberation of life. So, they are most meaningful, and convey profound insights into life. Theseinsights and perceptions of men, who were prominent in their life-time, are worth pondering over.They could help you in developing the right attitude to men and matters in life.

- **Max Baer:** "Oh, God, here I go..."
- **Ludwig Van Beethoven:** "Applaud, friends, the comedy is finished."
- **Hegel:** "Only one man understood me..., and he did not understand."
- **John Keats:** "I feel the flowers growing over me."
- **The Roman Emperor Nero:** "A great artist dies in me."
- **Carl Panzram**(murderer of 23 people): "I wish the whole human race had one neck, and I had myhands on it."
- **Edgar Allen Poe:** "Lord, have mercy on my poor soul!"
- **Francois Rabelais:** "I am going to a great place."
- **Oscar Wilde:** "I am dying, as I have lived, beyond my means."
- **Goethe:** "Please, close the

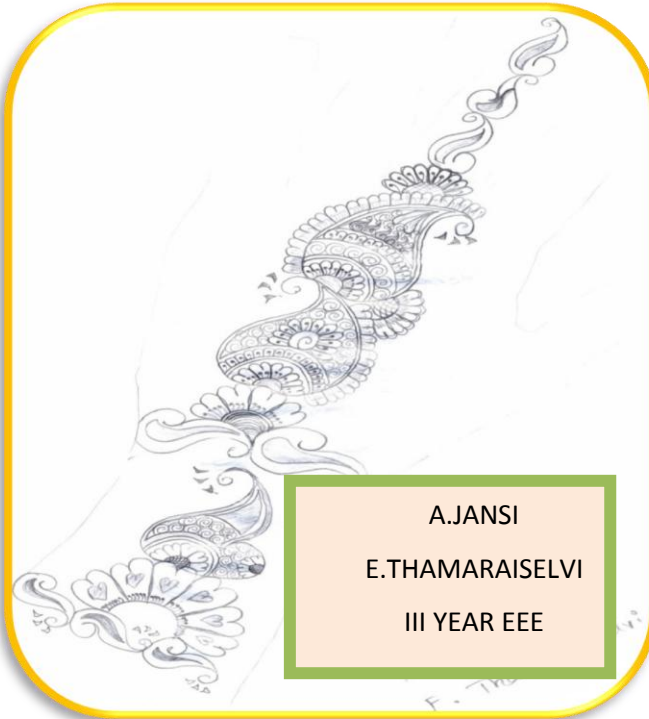
Basic Arithmetic of Life

- Life is full of arithmetic.*
- Add skills as much as possible.*
- Subtract bad habits as much as possible.*
- Multiply positive thoughts as much as possible.*
- Divide your sorrows with others & tackle them collectively.*

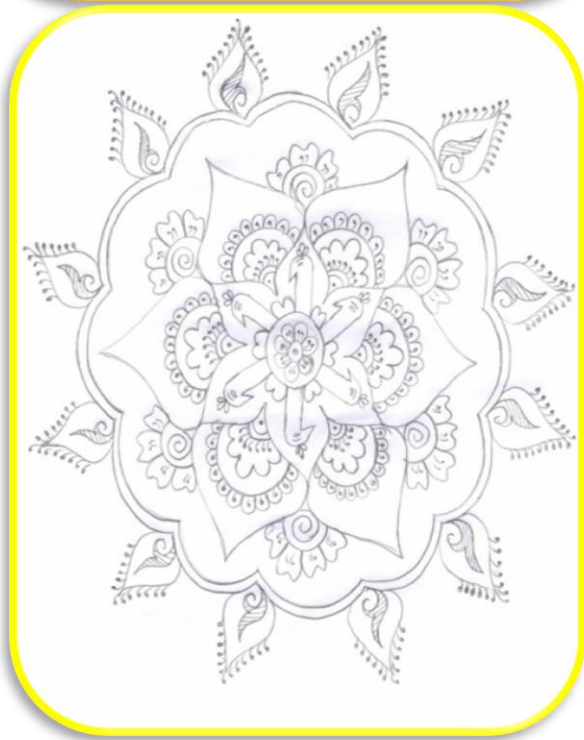
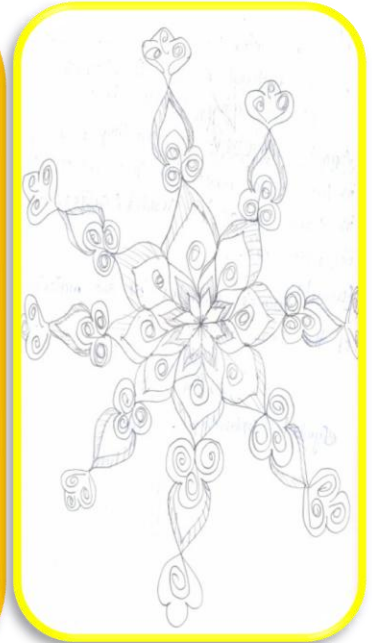
Dying Words of the Famous & the Infamous

The words of a man, while dying, are the most significant words, as they have been made after carefuldeliberation of life. So, they are most meaningful, and convey profound insights into life. Theseinsights and perceptions of men, who were prominent in their life-time, are worth pondering over.They could help you in developing the right attitude to men and matters in life.

FAMITHA BEGAM S II
YEAR EEE



A.JANSI
E.THAMARASELVI
III YEAR EEE



SANGEETHA.G III YEAR EEE



G.ABIRAMI II YEAR EEE

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THE VIRTUES OF A TEACHER

- *To be a teacher is to have a fair share of selflessness and service.*
- *To be a teacher is to reflect patience and purity in his conduct.*
- *To be a teacher is to be heightened by the zeal of life.*
- *To be a teacher is to be flavoured with courtesy and kindness.*
- *To be a teacher is to be tempered by impartiality and integrity.*

THE VIRTUES OF EDUCATION

- *E stands for eradicating illiteracy.*
- *D stands for developing self-discipline.*
- *U stands for utilizing the resources of the intellect.*
- *C stands for cultivating creativity and critical thinking.*
- *A stands for acquiring all skills to make ourselves self-reliant.*
- *T stands for teaching the virtue of tolerance.*
- *I stand for inculcating the necessity of curiosity.*
- *O stands for obeying parents and elders.*
- *N stands for nurturing nobility and simplicity in life.*

KALAISELVI S II YEAR EEE

LET YOUR DREAMS TURN OUT INTO

*Dream, dream, dream about life,
For dreams, if life-oriented, help building up our life;
Let your dreams be as clear as they can,
And as inspiring as possible.*

*Dream is not day-dreaming or dreaming in sleep;
Such dreams vanish into oblivion;
Dream, when part of planning in life, prepares you
For a career, which eventually leads you into
prosperity?*

*Dream, when thought-oriented, provokes your being
Into a state of restlessness, till the goal is realized;
Such a dream is a manifestation of your vision,
Which energizes your whole being?*

*Dreaming about future is not building castles in the
air;
It is not escaping from responsibilities of life;
But it drains your resources in the positive way,
Empowering and enabling you create life out of
nothing.*

MARTINA RUBAVATHI

FINAL YEAR EEE

A Pessimist Turned into an Optimist

Life has many challenges. There are several problems to be faced. In the morning, when we wake up, there are odd situations that we have to face. There are difficulties to be overcome every day. At night, when we get to bed, we have worries crowding our minds. We think of what we need to do, and of how to tackle our problems and challenges in the execution of our task. Is there any man, who has no worries? No, all have problems and difficulties. But the way people look at their problems vary. A man who is positive in his approach thinks in terms of how to overcome the problems. He does not keep complaining. He is task-oriented and well-focused. One day, when I was worried to the core, about my grades in the examination, I happened to see a book by Dale Carnegie. The book was about how to stop worrying and live a successful life.

I browsed through the book. I got captivated by the life of one Ted Bengermine of Baltimore, Maryland in the USA. Ted was a military man, engaged in the world war. His duty was to maintain the record of the men killed in war or wounded and hospitalized. He saw death and how it affected families. He witnessed many instances of families being driven to despair, by the death of their loved ones in the battle. The thought of death and misery gripped him and he started worrying a lot. He even entertained the thought of whether he would be able to meet his family members and be with them. In this mood of distress, he developed ulcer and his food habits were affected. Ultimately, he was hospitalized. The doctor attending on him examined his body, and diagnosed that Ted's problem was not physical, but it was mental and psychological. Ted was advised to think positively. He was asked to shed all the darker thoughts of life. Death is of course the inevitable end of life. But, thinking of death and its consequences always is not healthy. The doctor advised him not to allow the thoughts of despair to haunt his mind. He counseled him to think positively.

He asked him to look at the hour glass, and see the grains of sand, dropping down little by little. Life is like an hour glass. Each grain dropping down is the responsibility we have to perform. Each problem has to be addressed individually and patiently. Every day, we have problems and challenges to face. We have to face them boldly and with confidence. Despair or hopelessness is what we have to be careful about. We should not allow it to overpower us. Ted took the advice of the doctor and lived a fruitful life. He never gave way to sorrow or frustration. He kept working hard with positive thoughts, and slowly he prospered and rose to executive positions and became successful in his career.

The life of Ted inspired me. I decided to shed all negative thinking. I began to think positively. I face problems. But I will overcome them with all efforts and with confidence. Positive thoughts will lift us out of the mire of worries.

POORNIMA DEVI S II YEAR

EEE

RIDDLES:

1. *What goes up and down stairs without moving?*
2. *Give it food and it will live; give it water and it will die.*
3. *What can you catch but not throw?*
4. *I run, yet I have no legs. What am I?*
5. *Take one out and scratch my head, I am now black but once was red.*
6. *Remove the outside, cook the inside, eat the outside, throw away the inside.*
7. *What goes around the world and stays in a corner?*
8. *What gets wetter the more it dries?*
9. *The more there is, the less you see.*
10. *They come at night without being called and are lost in the day without being stolen.*
11. *What kind of room has no windows or doors?*
12. *I have holes on the top and bottom. I have holes on my left and on my right. And I have holes in the middle, yet I still hold water. What am I?*
13. *I look at you, you look at me, I raise my right, you raise your left. What is this object?*
14. *It has no top or bottom but it can hold flesh, bones, and blood all at the same time. What is this object?*
15. *The more you take the more you leave behind.*
16. *Light as a feather, there is nothing in it; the strongest man can't hold it for much more than a minute.*
17. *As I walked along the path I saw something with four fingers and one thumb, but it was not flesh, fish, bone, or fowl.*

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18. *What can run but never walks, has a mouth but never talks, has a head but never weeps, has a bed but never sleeps?*
19. *I went into the woods and got it, I sat down to seek it, I brought it home with me because I couldn't find it.*
20. *What can fill a room but takes up no space?*
21. *It is weightless, you can see it, and if you put it in a barrel it will make the barrel lighter?*
22. *No sooner spoken than broken. What is it?*
23. *Only two backbones and thousands of ribs.*
24. *Four jolly men sat down to play, and played all night till the break of day. They played for cash and not for fun, with a separate score for every one. When it came time to square accounts, they all had made quite fair amounts. Now, not one has lost and all have gained, Tell me, now, this can you explain?*
25. *Jack and Jill are lying on the floor inside the house, dead. They died from lack of water. There is shattered glass next to them. How did they die?*

Answers:

1. Carpet 2. Fire 3. A cold 4. A nose 5. A match 6. Corn 7. A stamp 8. Towel 9. Darkness 10. Stars 11. A mushroom 12. A sponge 13. A mirror 14. A ring 15. Footsteps 16. Breath 17. Glove 18. River 19. Splinter 20. Light 21. A hole 22. Silence 23. Railroad 24. Four men in a dance band 25. Jack and Jill are goldfish

Benefits of Challenge

The Japanese have always loved fresh fish, but the waters close to Japan have not held many fish for decades. So to feed the Japanese population fishing boats got bigger and went farther than ever. The farther the fishermen went, the longer they took to bring the fish. If the return trip took more than a few days, the fish were not fresh. The Japanese did not like the taste. To solve the problem, fishing companies installed freezers on their boats. They would catch the fish and freeze them at sea. Freezers allowed the boats to go farther and stay longer. However, the Japanese could taste the difference between fresh and frozen and they did not like frozen fish. The frozen fish brought lower price.

So fishing companies installed fish tanks. They would catch the fish and stuff them in the tanks, fin to fin. After a little trashing around, the fish stopped moving. They were tired and dull but alive. Unfortunately, the Japanese could still taste the difference. Because the fish did not move for days, they lost their fresh fish taste. The Japanese preferred the lively taste of fresh fish, not sluggish fish. So how did Japanese fishing companies solve this problem?

How do they get fresh-eating fish to Japan? To keep the fish tasting fresh, the Japanese fishing companies still put the fish in the tanks. But now they add a small shark to the tank. The shark eats a few fish, but most of the fish arrive in a very lively state. The fish are challenged.

As soon as u reach your goals, such as finding a wonderful mate, starting a successful company, paying

off your debts or whatever, you might lose your passion. You don't need to work so hard so you relax. Like the Japanese fish problem, the best solution is simple.

L.Ron Hubbard observed it in the early 1950's. "Man thrives, oddly enough, only in presence of a challenging environment."

The benefits of challenge The more intelligent, persistent and competent you are, the more you enjoy a good problem. If your challenges are the correct size, and if you are steadily

Conquering those challenges, you are happy. You think of your challenges and get energized.

You are excited to try new solutions. You have fun. You are alive!

Recommendations Instead of avoiding challenges jump into them. Beat the heck of them.

Enjoy the game. If your challenges are too large or too numerous, do not give up. Failing makes your end.

Instead, recognize. Find more determination, more knowledge, more help. Don't create success and lie in it. You have resources, skills and abilities to make a difference. Put a shark in your tank and see how far you can really go!

MYTHILD IIIRD YEAR EEE

HYBRID SYSTEMS

A hybrid system combines (C)PV and CSP with one another or with other forms of generation such as diesel, wind and biogas. The combined form of generation may enable the system to modulate power output as a function of demand or at least reduce the fluctuating nature of solar power and the consumption of non renewable fuel. Hybrid systems are most often found on islands.

CPV/CSP system

A novel solar CPV/CSP hybrid system has been proposed, combining concentrator photovoltaics with the non-PV technology of concentrated solar power, or also known as concentrated solar thermal.^[18]

ISCC system

The Hassi R'Mel power station in Algeria, is an example of combining CSP with a gas turbine, where a 25-megawatt CSP-parabolic trough array supplements a much larger 130 MW combined cycle gas turbine plant. Another example is the Yazd power station in Iran.

PVT system

Hybrid PV/T), also known as photovoltaic thermal hybrid solar collectors convert solar radiation into thermal and electrical energy. Such a system combines a solar (PV) module with a solar thermal collector in an complementary way. CPVT systemA concentrated photovoltaic thermal hybrid (CPVT) system is similar to a PVT system. It uses concentrated photovoltaics (CPV) instead of conventional PV technology, and combines it with a solar thermal collector.

PV diesel system

It combines a photovoltaic system with a diesel generator. Combinations with other renewables are possible and include wind turbines.

PV-thermoelectric system

Thermoelectric, or "thermovoltaic" devices convert a temperature difference between dissimilar materials into an electric current. Solar cells use only the high frequency part of the radiation, while the low frequency heat energy is wasted. Several patents about the use of thermoelectric devices in tandem with solar cells have been filed.^[21] The idea is to increase the efficiency of the combined solar/thermoelectric system to convert the solar radiation into useful electricity.

The fruit of silence is prayer

The fruit of prayer is faith

The fruit of faith is love

The fruit of love is service

The fruit of service is peace

WORDS OF MOTHER THERESA

TONGUE TWISTERS

1. *She sells sea shells on the seashore*
2. *Chowkidar chacha went to chamba in a cheap
Chug-Chug, Choo-Choo chained chair*
3. *I discovered a discovery that the discoverer of the
discovery did not discover
the discovery discovered*
4. *Betty bought some butter and butter was bitter.
So Betty bought some better
butter to make the bitter Butter better*
5. *How much wood would a wood chuck if a wood
chuck would chuck wood?
A wood chuck would chuck as much wood as a
wood chuck would, if a wood chuck would chuck
wood*
6. *Peter piper picked a peck of picked peppers, a
peck of peppers peter piper
Picked. If peter piper picked a peck of pickled
peppers, where is the peck of
pickled peppers which peter piper picked?*
7. *A right-handed fellow, named Wright, in
writing, write always wrote rite
where he meant write right Wright would not have
wrought not, writing.*

A FEW CLEVER RIDDLES WITH ANSWERS

1. *Forward I am heavy, but backward I am not. What am I?*

A ton.

2. *He has married many women, but has never been married. Who is he?*

A priest.

3. *How are a jeweler and a jailer alike?*

The jeweler sells watches and the jailer watches cells.

4. *How many bricks does it take to complete a building made of brick?*

Only one - the "last" one.

4. *How many of each animal did Moses take on the ark?*

Hint: Who?

5. *How many times can you subtract the number 5 from 25?*

Once. After the first calculation, you will be subtracting 5 from 20, then 5 from 15, and so on.

6. *How much dirt is in a hole 4 feet deep and 2 feet wide?*

There is no dirt in a hole.

I am used to bat with, yet I never get a hit. I am near a ball, yet it is never thrown. What am I?

Eyelashes.

G.P.DHANALAKSHMI

IIND YEAR EEE

SOLAR ENERGY GENERATING
SYSTEMS

PEC EEE MAGAZINES

DHARANIPRIYA.D
FINAL YEAR EEE

Name	Capacity(MW)	Location	Notes
Ivanpah Solar Power Facility	377	Mojave Desert, California, USA	Operational since February 2014. Located southwest of Las Vegas.
Solar Energy Generating Systems	354	Mojave Desert, California, USA	Commissioned between 1984 and 1991. Collection of 9 units.
Mojave Solar Project	280	Barstow, California, USA	Completed December 2014
Solana Generating Station	280	Gila Bend, Arizona, USA	Completed October 2013 Includes a 6h thermal energy storage
Genesis Solar Energy Project	250	Blythe, California, USA	Completed April 2014
Solaben Solar Power Station ^[39]	200	Logrosán, Spain	Completed 2012-2013
Solnova Solar Power Station	150	Seville, Spain	Completed in 2010
Andasol solar power station	150	Granada, Spain	Completed 2011. Includes a 7.5h thermal energy storage.
Extresol Solar Power Station	150	Torre de Miguel Sesmero, Spain	Completed 2010-2012 Extresol 3 includes a 7.5h thermal energy storage