

Chapter 3: Science and Spirituality

WARMING UP [PAGE 89]

Warming Up | Q 1 | Page 89

Get into pairs/groups and match the columns :

‘A’	‘B’
(1) Science	The study of the basic nature of knowledge, reality, and existence, especially as an academic subject.
(2) Religion	The study of the nature of God and religious belief.
(3) Spirituality	The intellectual and practical activities in a systematic study of structure and behaviour of the natural world through experiment and observation.
(4) Philosophy	The belief in and worship of a superhuman controlling power of God.
(5) Theology	The quality of being more concerned with the human spirit as opposed to material or physical things.

SOLUTION

‘A’	‘B’
(1) Science	Intellectual and practical activities in a systematic study of the structure and behaviour of the physical and natural world through observation and experiment.
(2) Religion	The belief in and worship of a superhuman controlling power - God.
(3) Spirituality	The quality of being concerned with the human spirit or soul as opposed to material or physical things.
(4) Philosophy	The study of the basic nature of knowledge, reality, and existence, especially as an academic subject.
(5) Theology	The study of the nature of God and religious belief.

Warming Up | Q 2.1 | Page 89

Given below are some incomplete Quote. Complete them choosing from the words **SCIENCE/RELIGION/SPIRITUAL** and make them meaningful :

_____ without religion is lame; _____ without science is blind.

SOLUTION

SCIENCE without religion is lame: **RELIGION** without science is blind.

Warming Up | Q 2.2 | Page 89

Given below are some incomplete Quote. Complete them choosing from the words **SCIENCE/RELIGION/SPIRITUAL** and make them meaningful :

_____ has outrun our _____ power, we have guided missiles, but misguided man.

SOLUTION

SCIENCE has outrun our **SPIRITUAL** power, we have guided missiles, but misguided man.

Warming Up | Q 2.3 | Page 89

Given below are some incomplete Quote. Complete them choosing from the words **SCIENCE/RELIGION/SPIRITUAL** and make them meaningful :

On a _____ journey, we all have the same destination.

SOLUTION

On a **spiritual** journey, we all have the same destination.

Warming Up | Q 2.4 | Page 89

Given below are some incomplete Quote. Complete them choosing from the words **SCIENCE/RELIGION/SPIRITUAL** and make them meaningful :

_____ is meant to awaken man's love for his Source - God!

SOLUTION

RELIGION is meant to awaken man's love for his Source - God!

Warming Up | Q 2.5 | Page 89

Given below are some incomplete Quote. Complete them choosing from the words **SCIENCE/RELIGION/SPIRITUAL** and make them meaningful :

_____ provides a means of with the Creator of Heaven and Earth, in the language of your heart and soul.

SOLUTION

RELIGION provides a means of connecting with the Creator of Heaven and Earth, in the language of your heart and soul.

Warming Up | Q 2.6 | Page 89

Given below are some incomplete Quote. Complete them choosing from the words **SCIENCE/RELIGION/SPIRITUAL** and make them meaningful :

_____ is a beautiful gift to humanity; we should not distort it.

SOLUTION

SCIENCE is a beautiful gift to humanity; we should not distort it.

Warming Up | Q 3 | Page 89

What's the difference between science and technology? Discuss in pairs and tell your answer to the class.

SOLUTION

We generally assume that science and technology mean almost the same thing. However, there is a difference. The goal of science is the pursuit of knowledge for its own sake while the goal of technology is to create products that solve problems and improve human life. Simply put, technology is the practical application of science.

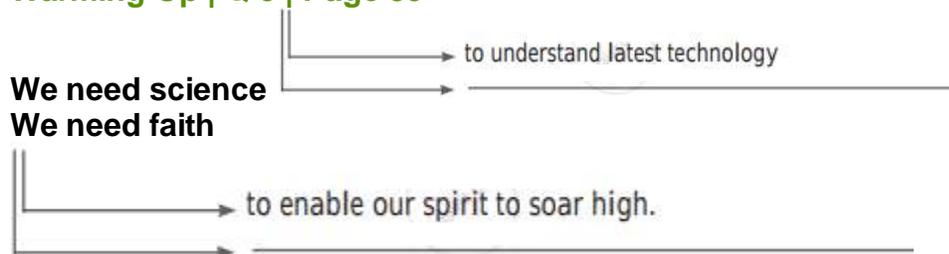
Warming Up | Q 4 | Page 89

Do you think that science and faith are both important in our lives? Why? Discuss in your group and give a small presentation in front of the class.

SOLUTION

Yes, both science and faith are important in our lives. There is no contradiction between the two. Both genuinely seek the truth. Science explores the truth about the body and the physical world. Faith introspects on the nature of the soul. Science helps us understand the physical structure of the universe, while faith deals with human values and morals. Both complement each other. In the words of Einstein. Science without religion is lame; religion without science is blind.

Warming Up | Q 5 | Page 89



SOLUTION

We need science:

To understand the latest technology to know about the physical world and our universe

We need faith:

To enable our spirit to soar high to have hope and to believe in a reason for our existence

Warming Up | Q 6 | Page 89

Refer to a dictionary to find out the meanings of the following words.

Spirit - a person's mind or feelings or soul.

- Spiritual
- Spirituality
- Spiritualism

- Spiritualist

SOLUTION

Spiritual - relating to or affecting the human spirit or soul, as opposed to material or physical things

Spirituality - the quality of being concerned with the human spirit, or soul, as opposed to material or physical things.

Spiritualism - a system of belief or religious practice based on supposed communication with the spirits of the dead, especially through mediums

Spiritualist - an advocate of the doctrine that the spirit exists as distinct from matter, or that spirit is the only reality

ENGLISH WORKSHOP [PAGES 94 - 99]

English Workshop | Q 1. (A) | Page 94

Read 'Part I' and match the words in Column 'A' with associating words given in Column 'B'.

No	'A'		'B'
(i)	Science and faith	(a)	Created by fact and faith
(ii)	Science	(b)	Success of societies
(iii)	Better Planet	(c)	Betterment of humanity
(iv)	Creations and Discoveries	(d)	Believers of science and religions
(v)	Conflict	(e)	Solves questions, discovers the truth, conceives inventions

SOLUTION

No	'A'		'B'
(i)	Science and faith	(b)	Success of societies
(ii)	Science	(e)	Solves questions, discovers the truth, conceives inventions
(iii)	Better Planet	(a)	Created by fact and faith
(iv)	Creations and Discoveries	(c)	Betterment of humanity
(v)	Conflict	(d)	Believers of science and religions

English Workshop | Q 1. (B) (a) | Page 95

Read 'Part II'. Go through the given statement and say whether you agree or disagree with the statement.

The Space Research set up facility was planned at Allapi, Kerala - _____.

1. Agree
2. **Disagree**

SOLUTION

The Space Research set up facility was planned at Allapi, Kerala - **Disagree.**

English Workshop | Q 1. (B) (b) | Page 95

Read 'Part II'. Go through the given statement and say whether you agree or disagree with the statement.

The person who could help and can be contacted was the Bishop - _____.

1. **Agree**
2. Disagree

SOLUTION

The person who could help and can be contacted was the Bishop - **Agree.**

English Workshop | Q 1. (B) (c) | Page 95

Read 'Part II'. Go through the given statement and say whether you agree or disagree with the statement.

It was quite easy to relocate so many people and destroy religious institutions for space-research centre - _____.

1. Agree
2. **Disagree**

SOLUTION

It was quite easy to relocate so many people and destroy religious institutions for space-research centre - **Disagree.**

English Workshop | Q 1. (B) (d) | Page 95

Read 'Part II'. Go through the given statement and say whether you agree or disagree with the statement.

Dr. Kalam joined ISRO in 1970 - _____.

1. Agree
2. **Disagree**

SOLUTION

Dr. Kalam joined ISRO in 1970 - **Disagree.**

English Workshop | Q 1. (B) (e) | Page 95

Read 'Part II'. Go through the given statement and say whether you agree or disagree with the statement.

Science and spirituality seek the prosperity of human life - _____.

1. Agree
2. Disagree

SOLUTION

Science and spirituality seek the prosperity of human life - **Agree.**

English Workshop | Q 1. (C) (a) | Page 95

Go through 'Part III' and complete the following statement.

The essence of a happy life and a peaceful society lies in one sentence -

_____.

SOLUTION

The essence of a happy life and a peaceful society lies in one sentence - **What can I give?**

English Workshop | Q 1. (C) (b) | Page 95

Go through 'Part III' and complete the following statement.

To keep this planet liveable and the human race thriving, we have to

_____.

SOLUTION

To keep this planet liveable and the human race thriving, we have to **replace 'what can I take with what can I Give?'**

English Workshop | Q 1. (C) (c) | Page 95

Go through 'Part III' and complete the following statement.

Mahaswamiji's greatest contribution is the _____.

SOLUTION

Mahaswamiji's greatest contribution is the **establishment of a free residential education system for more than nine thousand children in the ashram.**

English Workshop | Q 1. (C) (d) | Page 95

Go through 'Part III' and complete the following statement.

We can remove the impurities obscuring our souls by _____.

SOLUTION

We can remove the impurities obscuring our souls **by living pure and ethical lives serving humanity.**

English Workshop | Q 1. (C) (e) | Page 95

Go through 'Part III' and complete the following statement.

The narrator, Srijan, realised that through Dr. Kalam's words of wisdom

_____.

SOLUTION

The narrator, Srijan, realised that through Dr. Kalam's words of wisdom **he was getting to learn from countless great minds.**

English Workshop | Q 1. (C) (f) | Page 95

Go through 'Part III' and complete the following statement.

Mahaswamiji possesses powers that kept him so strong were _____ or _____.

SOLUTION

Mahaswamiji possesses powers that kept him so strong were **healthy lifestyle** or **genetics.**

English Workshop | Q 2. (A) | Page 95

Choose the correct alternative for the given statement.

Dr. Kalam's father was an _____.

1. teacher
2. scientist
3. farmer
4. **imam**

SOLUTION

Dr. Kalam's father was an **imam.**

English Workshop | Q 2. (B) | Page 95

Choose the correct alternative for the given statement.

Dr. Kalam's friends discussed on _____.

1. science and technology
2. discoveries and inventions
3. **science and spirituality**
4. community's problems and solutions

SOLUTION

Dr. Kalam's friends discussed on **science and spirituality.**

English Workshop | Q 2. (C) | Page 95

Choose the correct alternative for the given statement.

According to Dr. Kalam, the need that is felt more than ever is _____.

1. a laboratory to conduct experiments.
2. new technology to find results.
3. **dialogue among cultures, religions, and civilizations.**
4. a dialogue between people of different professions.

SOLUTION

According to Dr. Kalam, the need that is felt more than ever is **A dialogue among culture, religions, and civilization.**

English Workshop | Q 2. (D) | Page 95

Choose the correct alternative for the given statement.

Dr. Kalam's father was a symbol of _____.

1. trust and faith
2. **simplicity and divinity**
3. teacher and disciple
4. father and friend

SOLUTION

Dr. Kalam's father was a symbol of **simplicity and divinity.**

English Workshop | Q 2. (E) | Page 95

Choose the correct alternative for the given statement.

Spirituality takes care of _____.

1. education, teaching, and learning.
2. science, technology, and sci-fi.
3. **confusion, misery, or failure.**
4. crime, illiteracy, and child labour.

SOLUTION

Spirituality takes care of **confusion, misery, or failure.**

English Workshop | Q 2. (F) | Page 96

Choose the correct alternative for the given statement.

How can academic brilliance diminish?

1. by disturbance and frustration.
2. by going off track.
3. **by a coating of dust.**
4. by losing focus and seriousness.

SOLUTION

by a coating of dust.

English Workshop | Q 2. (G) | Page 96

Choose the correct alternative for the given statement.

What was most astonishing about 102-year-old Swamiji?

1. He was a great speaker and orator.
2. **He was a great scientist**
3. He was a great admirer of technology.
4. He looked as steady and alert as any other youngster.

SOLUTION

He was a great scientist.

English Workshop | Q 2. (H) | Page 96

Choose the correct alternative for the given statement.

What Dr. Kalam gathered while swimming in silence at the shores of Mahapragyaji?

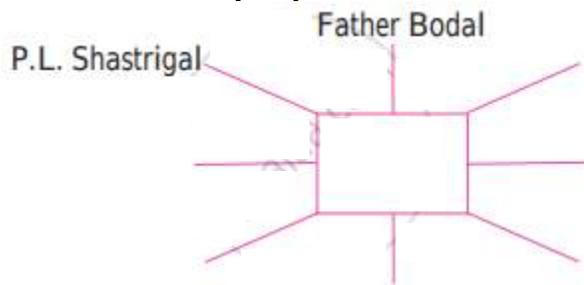
1. beautiful sea shores
2. tree-lined beaches
- 3. sands of conscience**
4. beautiful sun-set

SOLUTION

sands of conscience.

English Workshop | Q 3 | Page 96

Among the three parts, there are people who touched and influenced the life of Dr. A. P. J. Kalam in one or the other ways. Complete the web chart by writing the names of such people.



SOLUTION

Pole model

1. pakshi Lakshmana shastrigal
2. Reverend father bodal
3. Professor Vikram Sarabhai
4. Reverend peter Benard Pereira
5. Sri sivananda

English Workshop | Q 4.1 | Page 96

Write the significance of the following year, as given in the text.

1960

SOLUTION

1960 - joined esro

English Workshop | Q 4.2 | Page 96

Write the significance of the following year, as given in the text.

1970

SOLUTION

1970 - 1st unsuccessful launch

English Workshop | Q 4.3 | Page 96

Write the significance of the following year, as given in the text.

1980

SOLUTION

1980 - 1st successful launch

English Workshop | Q 4.4 | Page 96

Write the significance of the following year, as given in the text.

2009

SOLUTION

2009 - Invited to attend the 102nd birthday party of maha Swamiji.

English Workshop | Q 4.5 | Page 96

Write the significance of the following year, as given in the text.

2012

SOLUTION

2012 - Launched what can I give movement

English Workshop | Q 5.1 | Page 96

Who said to whom and when?

“Can we give up God’s abode for such a great scientific mission?”

SOLUTION

Reverend Father Pereira said this to the people in the Church, one Sunday after Dr Sarabhai and Dr Kalam approached him to request the people to give up the church land for the building of a space research centre.

English Workshop | Q 5.2 | Page 96

Who said to whom and when?

“And then God will shine through us.”

SOLUTION

Professor Satish Dhawan to Dr. Kalam when they were talking about academic brilliance.

English Workshop | Q 5.3 | Page 96

Who said to whom and when?

“I wonder what power Mahaswamiji possesses, that keeps him so strong.”

SOLUTION

The narrator (Srijan) said this to Dr. Kalam while discussing the Mahaswamiji 102nd birthday celebrations.

English Workshop | Q 6. (a) | Page 97

Answer the following in your own words, and write in your notebook.

What makes Dr. Kalam a humble personality?

SOLUTION

Even though Dr. Kalam was indisputably a great scientist, he had a deep faith and espoused the cause of the betterment of humanity. This shows that he was indeed a humble personality.

English Workshop | Q 6. (b) | Page 97

Answer the following in your own words, and write in your notebook.

How were different virtues inculcated in Dr. Kalam?

SOLUTION

Dr. Kalam inculcated the virtue of humility from his father who was a boatman. He learned from his father how simplicity and divinity could go together.

English Workshop | Q 6. (c) | Page 97

Answer the following in your own words, and write in your notebook.

How did the Reverend relate and compare the work that he and Dr. Sarabhai did for people?

SOLUTION

The Reverend said that Dr. Sarabhai was a scientist. We benefit from the devices that science has developed in many ways, in our homes and in the fields of medicine and technology. A priest prays for the peace and well-being of his people. Thus both science and spirituality seek the Almighty's blessing for the prosperity of the human mind and body. In short, both are doing the same job.

English Workshop | Q 6. (d) | Page 97

Answer the following in your own words, and write in your notebook.

What was so remarkable about Dr. Sri Shiva kumar Mahaswamiji?

SOLUTION

The remarkable aspect of Dr. Sri Shivakumara Mahaswamiji was that he had dedicated his life to the service of humanity.

English Workshop | Q 6. (e) | Page 97

Answer the following in your own words, and write in your notebook.

Why is there an urgent need to replace 'What can I take' with 'What can I give'?

SOLUTION

There is an urgent need to replace 'What can take' with 'What can I give' for the very survival of humanity. Unless we realize the gravity of the message, this planet will become a hub of environmental degradation, social evils, inequity, and corruption. If we do not take up the challenge, our planet will not be liveable and the human race will not prosper.

English Workshop | Q 7. (a) | Page 97

In your notebook, write a short paragraph on the following covering up their profession and personality traits with examples.

Rev. Peter Bernard Pereira

SOLUTION

Rev. Peter Bernard Pereira

Rev. Father Bernard Pereira was the priest-in-charge of the church in Thumba, Kerala. He was a person who immediately understood the dilemma in the minds of Dr. Kalam and Professor Sarabhai. He realized that he would have to make a sacrifice in the interests of science. At the same time, he could not do this without the approval of his congregation. So he put the concept before the entire gathering in forceful terms and got unanimous support for the setting up of the space research centre.

English Workshop | Q 7. (b) | Page 97

In your notebook, write a short paragraph on the following covering up their profession and personality traits with examples.

Dr Sri Shiva kumar Mahaswamiji

SOLUTION

Dr. Sri Shivakumar Mahaswamiji

Rev. Father Bernard Pereira was the priest-in-charge of the church in Thumba, Kerala. He was a person who immediately understood the dilemma in the minds of Dr. Kalam and Professor Sarabhai. He realized that he would have to make a sacrifice in the interests of science. At the same time, he could not do this without the approval of his congregation. So he put the concept before the entire gathering in forceful terms and got unanimous support for the setting up of the space research centre.

English Workshop | Q 7. (c) | Page 97

In your notebook, write a short paragraph on the following covering up their profession and personality traits with examples.

Dr. A. P. J. Abdul Kalam

SOLUTION

Dr. A. P. J. Abdul Kalam

Dr. A. P. J. Abdul Kalam was a great scientist. He was so humble and he said that he got this humility from his father. Dr. Kalam joined ISRO in 1960 when it was just a fledgling organization. His interactions with the great scientist Professor Vikram Sarabhai and the Reverend Peter Bernard Pereira shaped his thoughts on religion and learned about the true meaning of religious service. From Professor Dhavan, he got to know how one can be academically accomplished.

From Mahaswamiji he realized the value of generosity. He learned many good qualities from great people like Pramukh Swami, Mahapragya Ji, Professor Brahma Prakash, Father Pereira, Dr. Sarabhai, Swami Sivananda of Rishikesh, and his father. He believed that faith and fact can create a better planet for all of us; spirituality can lift us out of any kind of confusion, misery, or failure.

He was truly a patriot because he said that one should use one's degree to transform the society where one lives. In 2012, he started a movement "What Can I Give, through which he tried to combat corruption, environmental degradation, and social evils.

English Workshop | Q 8. (a) | Page 97

Write in your own simple words what the following expression conveys in the context they occur in the text.

Faith and fact can, together, create a better planet.

SOLUTION

It means that fact helps us to understand some of the basic knowledge of the planet and faith providence from which we can see how our creations and discoveries go on. So if these two are used perfectly, then definitely it could create a better planet for all of us.

English Workshop | Q 8. (b) | Page 97

Write in your own simple words what the following expression conveys in the context they occur in the text.

Dr. Kalam's own life was nourished by multiple faiths.

SOLUTION

It means that in his life, there were lots of great people having faith in their work who made Dr. Kalam a successful person. With their faiths, he developed himself.

English Workshop | Q 8. (c) | Page 97

Write in your own simple words what the following expression conveys in the context they occur in the text.

But there was a major roadblock.

SOLUTION

It means there was an obstacle in getting the possession of the site for Space Research Centre because that site was actually the fishing grounds of Thumba's fishermen. Moreover, it had an old church of St Mary Magdalene, a bishop's house, and a school,

which was under the administration of the church. So the officials thought that it was difficult to shift so many people with their religious place.

English Workshop | Q 8. (d) | Page 97

Write in your own simple words what the following expression conveys in the context they occur in the text.

Only when the dust is removed, does the mirror shine and the reflection becomes clear.

SOLUTION

It means that in our soul, there are lots of impurities of greed, selfishness, lust and it makes us bad or evil people. When we can remove this dust by living pure and ethical, and by serving humanity, then through us God will shine.

English Workshop | Q 8. (e) | Page 97

Write in your own simple words what the following expression conveys in the context they occur in the text.

Through his (Kalam's) words of wisdom, I was getting to learn from countless great minds.

SOLUTION

The writer got the words of wisdom from Dr. Kalam but actually, Dr. Kalam had received all these words from lots of great people like his father, Dr. Sarabhai, Professor Dhavan, Mahaswamiji, etc.

English Workshop | Q 8. (f) | Page 97

Write in your own simple words what the following expression conveys in the context they occur in the text.

He gathered the sands of conscience to be our guide, our best friend.

SOLUTION

It means that our guide or true friend is our conscience which most of the time helps us make the right decisions in our lives. So Dr. Kalam was trying to listen to his conscience to give the answer to Shrijan Pal.

English Workshop | Q 8. (g) | Page 97

Write in your own simple words what the following expression conveys in the context they occur in the text.

'What can I take ?' is the thought which is responsible for all the wrong, seen around us.

SOLUTION

It means that this thought of only taking from others makes us selfish and greedy. Because of this thought, we have destroyed the environment carelessly, have been corrupted, and behaved with others in an unfair way, and also have destroyed our families.

English Workshop | Q 9. (A) (a) | Page 97

From the lesson, pick out one word for the following.
increase the speed

SOLUTION

increase the speed - Accelerate.

English Workshop | Q 9. (A) (b) | Page 97

From the lesson, pick out one word for the following.
point of view

SOLUTION

point of view - perspective.

English Workshop | Q 9. (A) (c) | Page 97

From the lesson, pick out one word for the following.
nearness in space

SOLUTION

nearness in space - proximity.

English Workshop | Q 9. (A) (d) | Page 97

From the lesson, pick out one word for the following.
a place of residence

SOLUTION

a place of residence - Abode.

English Workshop | Q 9. (A) (e) | Page 97

From the lesson, pick out one word for the following.
eager to know everything

SOLUTION

eager to know everything - Inquisitive

English Workshop | Q 9. (A) (f) | Page 97

From the lesson, pick out one word for the following.
echoed loudly

SOLUTION

echoed loudly - Riverberated.

English Workshop | Q 9. (A) (g) | Page 97

From the lesson, pick out one word for the following.
giving away much to the needy

SOLUTION

giving away much to the needy - **Munificence.**

English Workshop | Q 9. (A) (h) | Page 97

From the lesson, pick out one word for the following.

without making a difference

SOLUTION

without making a difference - **Indiscriminately.**

English Workshop | Q 9. (B) | Page 98

Arrange the following words in the alphabetical order.

inventions, indisputable, interactions, inequity, institutions, inquisitive, indiscriminately.

SOLUTION

Indiscriminately, indisputable, inequity, inquisitive, institutions, interactions, inventions.

English Workshop | Q 9. (C) (1) | Page 98

Find from the lesson the noun form of -

combine - _____

SOLUTION

combine - **Combination**

English Workshop | Q 9. (C) (2) | Page 98

Find from the lesson the noun form of -

solve - _____.

SOLUTION

solve - **Solution**

English Workshop | Q 9. (C) (3) | Page 98

Find from the lesson the noun form of -

simple - _____.

SOLUTION

simple - **Simplicity.**

English Workshop | Q 9. (C) (4) | Page 98

Find from the lesson the noun form of -

divine - _____

SOLUTION

divine - **Divinity**

English Workshop | Q 9. (C) (5) | Page 98

Find from the lesson the noun form of -
advance - _____

SOLUTION

advance - Advancement

English Workshop | Q 9. (C) (6) | Page 98

Find from the lesson the noun form of -
tranquil - _____

SOLUTION

tranquil - Tranquility

English Workshop | Q 9. (C) (7) | Page 98

Find from the lesson the noun form of -
liveable - _____

SOLUTION

liveable - Live, life

English Workshop | Q 9. (C) (8) | Page 98

Find from the lesson the noun form of -
strong - _____

SOLUTION

strong - Strength

English Workshop | Q 10 | Page 98

Match the word connectors with reference to parts I, II, III respectively. Make sentences of each of these connectors.

No	Word		Connector
1.	government	(a)	person
2.	betterment of	(b)	curbs
3.	pure and ethical	(c)	degradation
4.	community's	(d)	launch
5.	religions	(e)	dialogue
6.	astonishing	(f)	silence
7.	technological	(a)	motivation
8.	frank	(g)	aspect
9.	social	(h)	life
10.	faith	(i)	centre
11.	inquisitive	(j)	officials

12.	academic	(k)	problems
13.	environmental	(l)	humanity
14.	pin-drop	(m)	service
15.	alternate	(n)	bodies
16.	remarkable	(o)	evils
17.	silent	(p)	advancement
18.	famished	(q)	brilliance
19.	unsuccessful	(s)	accommodation
20.	space-research	(t)	discipline

SOLUTION

- (1) Some government officials came to our village to investigate the killings.
- (2) Gandhi's efforts were for the betterment of humanity
- (3) The hermit was revered for living a pure and ethical life.
- (4) We formed a core team to look into the community problems.
- (5) We need religious discipline in order to develop a conscience.
- (6) The most astonishing aspect of this great king's personality is his humility.
- (7) The district required more skilled manpower for technological advancement,
- (8) The teacher had a frank dialogue with the youth about his drug problem.
- (9) He left his good secure job in order to dedicate himself to social service.
- (10) In order to make progress, people should avoid conservative faith curbs.
- (11) The local thieves fear Inspector morse because he is an inquisitive person.
- (12) All through his school and college days he displayed academic brilliance.
- (13) Plastics are major contributors to environmental degradation.
- (14) There was pin-drop silence when the sad news was announced.
- (15) The owner was provided alternate accommodation until his flat was renovated.
- (16) Lal Bahadur Shastri was a remarkable person,
- (17) Our inner beliefs should be the silent motivation to do good to others.
- (18) The doctor opened a dispensary in the village in order to cater to famished bodies.
- (19) At the first attempt it was an unsuccessful launch
- (20) ISRO is a space research centre in Bengaluru.

English Workshop | Q 11.1 | Page 99

Say whether the predicates in the following sentence have an object/ a complement/an adverbial.

There was silence.

1. object
2. **complement**
3. adverbial

SOLUTION

There was silence. - **complement**

English Workshop | Q 11.2 | Page 99

Say whether the predicates in the following sentence have an object/ a complement/an adverbial.

Alexander Bell invented the telephone.

1. **object**
2. complement
3. adverbial

SOLUTION

Alexander Bell invented the telephone. - **Object**

English Workshop | Q 11.3 | Page 99

Say whether the predicates in the following sentence have an object/ a complement/an adverbial.

They have a holiday.

1. object
2. **complement**
3. adverbial

SOLUTION

They have a holiday. - **complement**

English Workshop | Q 11.4 | Page 99

Say whether the predicates in the following sentence have an object/ a complement/an adverbial.

The dancer danced gracefully.

1. object
2. complement
3. **adverbial**

SOLUTION

The dancer danced gracefully. - **Adverbial**

English Workshop | Q 11.5 | Page 99

Say whether the predicates in the following sentence have an object/ a complement/an adverbial.

The milkman comes daily.

1. object
2. complement

3. adverbial

SOLUTION

The milkman comes daily. - Adverbial

English Workshop | Q 11.6 | Page 99

Say whether the predicates in the following sentence have an object/ a complement/an adverbial.

The hostess served tea.

1. **object**
2. complement
3. adverbial

SOLUTION

The hostess served tea. - object

English Workshop | Q 11.7 | Page 99

Say whether the predicates in the following sentence have an object/ a complement/an adverbial.

The kite soared upwards.

1. object
2. complement
3. **adverbial**

SOLUTION

The kite soared upwards. - adverbial

English Workshop | Q 12. (A) (1) | Page 99

Punctuate the following sentence to make them meaningful.

dinesh took a bus that stopped at Nanded railway station after crossing somvar peth.

SOLUTION

Dinesh took a bus that stopped at Nanded Railway Station after crossing Somvar Peth.

English Workshop | Q 12. (A) (2) | Page 99

Punctuate the following sentence to make them meaningful.

Dr. APJ Abdul Kalam was the past president of India by the way he was a great scientist orator and a humanitarian.

SOLUTION

Dr. APJ Abdul Kalam was the past President of India. By the way, he was a great scientist, orator, and a humanitarian.

English Workshop | Q 12. (A) (3) | Page 99

Punctuate the following sentence to make them meaningful.

nouns are of different types of common proper abstract concrete material.

SOLUTION

Nouns are of different types: common, proper, abstract, concrete, material.

English Workshop | Q 12. (A) (4) | Page 99

Punctuate the following sentence to make them meaningful.

what a lot of noise you all make said the teacher cant you keep quiet for a while.

SOLUTION

"What a lot of noise you all make!" said the teacher, "Can't you keep quiet for a while?"

English Workshop | Q 12. (A) (5) | Page 99

Punctuate the following sentence to make them meaningful.

wow, how lovely that cake looks they said we can't wait to eat it.

SOLUTION

"Wow! How lovely that cake looks!" they said, "We can't wait to eat it."

English Workshop | Q 12. (B) | Page 99

Copy the first paragraph on page 92 in your notebook, carefully. Encircle all the punctuation marks with a coloured pencil/pen.

"Dear children _____ 'amen'.

SOLUTION

'Dear children, Dr. Vikram says that, within a year, he wants to build scientific facilities near the sea coast, replacing all the settlements that now stand there. Now, can you give up your abode? Can I give up my abode? Can we give up God's abode for such a great scientific mission?' Dr. Kalam recalled how he witnessed 'a pin drop silence for a long moment'. Then everyone got up, and the whole church reverberated with the deafening noise of a collective 'amen'.

English Workshop | Q 13 | Page 99

Read Dr. A.P.J. Abdul Kalam's very renowned books 'Wings of Fire'; and 'Ignited Minds', to find the following :

- (a) Subject of the book
- (b) Special features of the book
- (c) Teachings/learnings/moral/message from the book
- (d) Your own opinion/idea/comment on the book

SOLUTION

(i) Ignited minds by A.P.J. Abdul Kalam.

(a) Subject of the book: Motivating Indians especially the Indian youth to dream big and to believe that what they dream can be true.

(b) Special features of the book: It is a short book of 205 pages with 9 chapters. He writes why we are not developing as we should have and how we will become a developed country. He inspires the Indians to change the thinking and attitude of the country forging India to become a developed country.

(c) Teachings/learnings/moral/message from the book: The book consists of many inspirational messages from great people. This book is meant for Indian children, to ignite their thinking to think big for our country. Well inspired inspirational stories are provided in each of the chapters to encourage and build a spirit of oneness. It contains dynamic and original ideas, examines attitudes afflicting the Indians, and presents a prescription for the rapid growth of India to enable the country to emerge as a developed country.

(d) Our opinion/idea/comment on the book: The book is written in simple language, very easy to understand, and inspires everyone who reads it. The books are capable of igniting the fire in the mind of anyone who reads and understands it.

(ii) Wings of Fire by APJ Abdul Kalam

(a) Subject of the book: Wings of Fire is an autobiography of APJ Abdul Kalam former President of India. It was published in 1999 and it covers Kalam's life before he became the President of India.

(b) Special features: The book covers his early life and his work in Indian space research and missile programs. It is the story of a boy from a humble background who went on to become a great scientist and later the president of India. The Book contains quotes which are very motivational. It also provides a glimpse of Indian harmony which existed before India's partition. The book also contains many of his poems.

(c) Teachings/learnings/moral/message: One can find a glimpse of Kalam's positive thinking throughout the book. He held many high ranking positions in various organizations, yet he has rarely mentioned anything about corruption or ignorance of bureaucracy or politicians. The secret to his success seems to be his ability to ignore negative things around him. APJ Abdul Kalam is simple, secular, and inspiring.

(d) Our opinion/comment: Wings of fire is an autobiography of Dr. Kalam in simple language. His wordings helped and induced many youngsters that a fire exists in each and every one of us and it has to be utilized in the right way. How the young blood should react? What are our duties as a citizen? has been depicted very beautifully in simple but elegant words that have attracted many readers including me.

English Workshop | Q 14. (A) | Page 99

Draft a speech that you would give at your School Assembly convincing junior students that the secret of true happiness lies in Giving and Sharing more than in Receiving and Taking. Write it with the appropriate steps in your notebook.

SOLUTION

Friends, It is through experience I have learned that 'As you give, so you live',

There was a time in my life when I only wanted things. I was happy only when I received gifts. My main goal in life was to take as many things from others as I could. But then one day, on the way to market, I saw a poor hungry beggar boy running along the road. In his hand, he held a loaf of bread. He ran to his mother, who was lying on the sidewalk, and sat next to her feeding her. It touched me deeply that this boy who must have been hungry himself found greater joy in feeding his famished mother. From that day onwards I started giving things to others. If I had two pens and someone wanted one, I would give it to him or her. I asked my mother to give my old shirt to a poor child from a nearby slum. For my birthday celebration, instead of having a party, I went along with my mother to the temple and fed a line of beggars.

Giving things to others brings me great joy and happiness. Receiving something gives temporary satisfaction. But reaching out to others and seeing them smile, sharing things with others and making it worthwhile - these are far more precious than any precious stone that I may be fortunate enough to possess

Thank you.

English Workshop | Q 14. (B) | Page 99

Divide your class into two groups and have a Debate on the topic 'Science and Spirituality can go hand in hand'.

SOLUTION

For (view):

Both science and spirituality study aspects of our world. Both require mental discipline. Both require belief in certain axioms and truths. Hence both are valid. Science is the body. Spirituality is the mind. Science explores the creations of God. Spirituality delves into the nature of God. Both are two sides of the same coin. Both complement each other. It is inevitable therefore that science and spirituality go hand in hand.

Against (counterview):

Science requires factual knowledge. It is a component of millions of physical laws. Spirituality is a free bird that soars on the wings of personal belief. It does not require proof. Only faith. How then can they be considered to be on the same plane? One is concrete; the other abstract. In order to draw upon spirituality, one may conjure up an image in the mind and be satisfied. Science seeks explanation only in logical reasoning based upon unlimited past experiences and developed into truth by considering an experiment after experiment two are completely different in nature and cannot go hand in hand.