

January : 2016 (CBCS)

Note :

Max. marks : 60

- (i) Attempt any five questions.
 (ii) Question 1 and 2 have 2 parts. Both are compulsory of these questions are attempted.

- Q.1 (a)** Fill in the blanks with appropriate articles indicate when no article is required.
- (i) He is _____ actor.
 (ii) _____ couple of friends came over for dinner.
 (iii) Look at _____ sky!
 (iv) They live in _____ flat.
 (v) The ship sank in _____ Bay of Bengal.
 (vi) One winter there was _____ terrible steam.
 (vii) He is not at _____ home.

Ans.

(i)	an	(ii)	A	(iii)	the	(iv)	a
(v)	the	(vi)	a	(vii)	X		

- Q.1 (b)** Punctuate the following using suitable punctuation marks :
- (i) Have you finished your meal?
 (ii) She was very fond of her daughter-in-law.
 (iii) The girl's purse was lost.
 (iv) Men may come and men may go but I go on forever.
 (v) She was tall slim beautiful.
 (vi) Today, we don't do anything regarding global warning tomorrow there is nothing we can do.
 (vii) He said you are my friend.

Ans.

(i)	Have you finished your meal?
(ii)	She was very fond of her daughter-in-law.
(iii)	The girl's purse was lost!
(iv)	Men may come and men may go but I go on forever.
(v)	She was tall, slim, beautiful.
(vi)	Today, we don't do anything regarding global warning tomorrow there is nothing we can do.
(vii)	He said, "you are my friend".

- Q.2 (a)** Offer one word expressions for the following team :
- (i) A person who believes in God.
 (ii) A tendency to favour ones own relatives.
 (iii) A medicine that cures all ailments.
 (iv) Saying things in a roundabout way.
 (v) Easily convinced, cheated and gulled.

(vi) A person with strange and peculiar habits.

(vii) A person too proud of his/her race, nation, gender etc.

- Ans.** (i) Theist (आस्तिक)
 (ii) Nepotism (पक्षपात)
 (iii) Panacea (रामबाण)
 (iv) Circumlocution (कपटपूर्ण बातें)
 (v) Credulous (सहज में विश्वास करने वाला)
 (vi) Idiosyncrasy, Eccentric (सनकी)
 (vii) Chauvinist (अंधराष्ट्रवादी)

Q.2 (b) Choose the right option in the following sentences :

- (i) The girl did not take the complement/complement kindly.
 (ii) Cancer is an invidious/insidious disease; it kills you silently.
 (iii) Only a waver/waiver in the fees would help me.
 (iv) Mr. Kapoor died in a rail collision/collusion.
 (v) The prime minister has been apprised/appraised of the latest developments in the state by the chief minister.
 (vi) I expect you to comply/complicate with my orders.
 (vii) What hurt me most was the tone of the person ; it was so boorish and degenerating/deprecating.

Ans.

(i)	Compliment	(ii)	Insidious	(iii)	Waiver	(iv)	Collision
(v)	Appraised	(vi)	Comply	(vii)	Deprecating		

Q.3 Skew the following passage and answer the questions given at the end.

The sun is the most direct source of energy. It powers the flow of wind and water cycles and sustains all life. Plants use this energy to synthesize carbohydrates from simple substances like Carbon dioxide and water. All the food is derived from the process of photosynthesis. In fact, the energy by which all the animals including human beings live is generated by the oxidation of the food produced by the plants.

The sun contains in its core hydrogen nuclei moving at very great speeds. Wherever these nuclei collide and fuse to form a nucleus of a heavier element, it results in nuclear reactions. These reactions generate tremendous amounts of energy. It is this energy that powers the sun.

The sun emits lights of different wavelengths. If sunlight is passed through a prism each of these wavelengths is refracted by a different amount. Violet *has the* shortest wavelength, and red has the longest. The wavelength of green is midway between that of violet and red. Light with wavelength shorter than that of violet is called Ultraviolet light. Light with wavelength longer than that of red light is called infrared light. About one third of the light from the sun is infrared.

We know that nuclear reactions that go on in the interior of the sun liberate a large amount of energy. Nuclei of deuterium, which is the heavier isotope of hydrogen, collide in the sun's interior to produce helium. The energy liberated in these reactions fires the sun, which in turn, emits light of different wavelengths, of these wavelengths, it is the infrared wavelengths that heat up the earth. The reaction in which the hydrogen in the sun is converted into helium is called a Fusion reaction.

- (i) Suggest a title for this passage.
 (ii) What is the central idea of the first paragraph?

- (iii) What is Photosynthesis?
- (iv) How are nuclear reactions formed?
- (v) What is infrared light?
- (vi) How does the sun emit light of different wavelength?
- (vii) What is the central idea of this passage?

- Ans.**
- (i) The suitable title for the passage is "Sun—A major source of energy".
 - (ii) The central idea of the first paragraph is "sun is a major source of energy for all living beings because plant uses solar energy in the process of photosynthesis for making food and all animals including human beings depends on plant for the process of oxidation. In fact all the living beings depend on solar energy for their food as photosynthesis is only possible with the help of sunlight and animals depend on plant for their food so solar energy is very important for survival for all living beings".
 - (iii) Photosynthesis is the process by which plant converts light energy into chemical energy for making food.
 - (iv) Nuclear reactions are formed when the hydrogen nuclei moving at very high speed collide with each other and fuse to form a nucleus of heavier element.
 - (v) Lights which have wavelength longer than that of red light are called infrared light.
 - (vi) The sun emits light of different wavelengths by the process of refraction.
 - (vii) The central idea of this passage is that, the sun is the ultimate and endless source of energy. The nuclear fusion is responsible for this supreme source of energy. Nuclei of deuterium, collides at a very high speed to produce helium. The energy liberated in these reactions fires the sun. Sun emits different types of wavelength out of which infrared wavelength is responsible for heating the earth. At the last we summarize that sun is primary and basic source of energy which is responsible for the survival of all living beings.

Q.4 Write an essay on "Terrorism : a global menace".

Ans. Introduction : Terrorism is just a word in English, but it is a hazard for mankind. India faces the problems of poverty, population, hunger and illiteracy. But spread of terrorism is the most frightening of all. Be it in the small countries like Ireland and Israel, or in the big ones like Russia and USA, terrorism has become the main challenge to most of the governments today.

Terrorism has been described as 'the use of international violence by group or individuals to achieve political goals', by the experts in U.S.A. In simple words, it is the spread of terror. It has to be remembered that if destruction of people is taken by the behalf of an established government against another country, then it is known as war, not terrorism. It consists of a series of act planned to spread pressure, panic and destruction in a population.

Terrorism is not unthinking violence. Terrorist are very specific for what they want. Terrorist poses the greatest threats to mankind. They know no friends and recognize no rules. Although explosions and stray shooting are terrorist acts, flight hijacking has come to be their most preferred target of spreading terror among the masses of the countries. Previously it was assumed that terrorism in India would be limited to Kashmir only. But this belief has been proved baseless as terrorism has nearly spread all over India. There are many- types of terrorist groups depending on what their objectives are.

Terrorism is usually of two kinds : political terrorism which creates panic on a large scale and criminal terrorism which deals in kidnapping to take ransom. Political terrorism is much more dangerous than criminal terrorism as they are well-trained and it's become difficult for law enforcing

agencies to arrest them in time. For example- hundreds of terrorist are being trained at the Pakistan occupied Kashmir (POK). And in Punjab, there is no doubt that the terrorist are receiving training and weapons from Pakistan. Assam has been the most unstable state in the last few decades. Assam remains the only state in the northeast where terrorism is a major issue. Terrorism is also spread at national level. But the regional terrorism is the most violent of all. This is because the terrorist think that dying in a terrorist act is sacred and holy, so they are willing to do anything. All the terrorist groups are made with different purposes.

Terrorism is a world-wide problem. By now, the governments throughout the world are realizing that terrorism is a serious threat to dealt with. They believe in the power of bombs and guns over dialogue. Terrorist acts are well-planned. Every terrorist acts usually takes days and even months of preparation. Terrorist are usually young, but the brain behind them are old, seasoned politicians. Terrorists mostly recruit younger people in their group as it is easy to brainwash them. Freedom is the right to every individual. Our freedom is taken from us when terrorism strikes.

In the recent years, the most powerful country, USA was shocked when Afghanistan based terrorist organizations attacked on it. On September 11, 2001 a disaster took place in the New York City when two hijacked planes were flown straight into the World Trade Centre. 6000 people were killed. The bombing of the World Trade Centre is one of the most deadly terrorist episodes in the world. This violent act of terrorism was mastermind by Al- Qaida leader Osama Bin Laden. After this attack, many challenges took place in front of us. Like- the old security systems were replaced by new and more complicated (also costly) security systems in airports. And in India, government developed many security measures like making more strict laws (like POTA - Prevention of Terrorist activity Act), cracking down on their centres and keeping an eye from where terrorist receive money. POTA is an anti-terrorism legislation enacted by the Parliament of India in 2002. This act replaced the Prevention of Terrorism Ordinance (POTO) of 2001. These measures hardly had any effect.

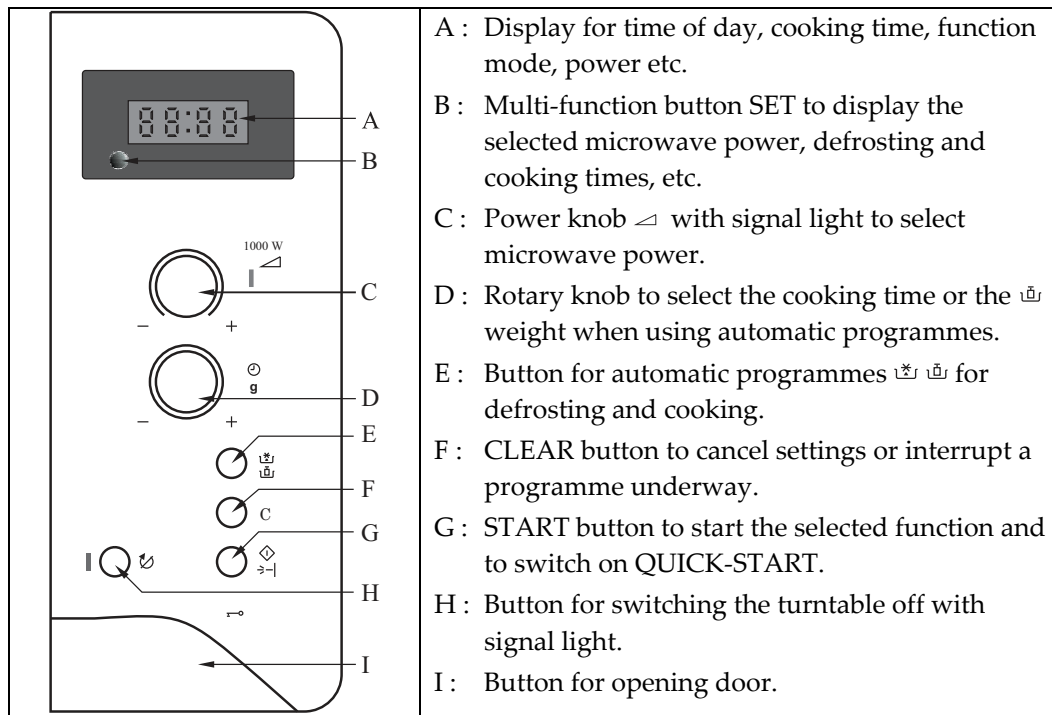
These security measures had no effect on political terrorism but they had decreased criminal terrorism by ten percent. Due to these risks from terrorism, the security at various places like airports, railway stations and government offices are kept tightened.

One of the deadliest terrorist attacks in India was the 1993 Bombay Bombings. It was a series of thirteen bombs that took place in Mumbai. The attacks were the most destructive bomb explosions in the history of India. It is believed that the explosions were in coordinate of Dawood Ibrahim, the leader of a terrorist group which stood in opposition of India.

Conclusion : Terrorism has become a global threat and needs to be controlled from the grass root level to the international level. It is also called that 'One person's terrorist, another person's freedom fighter'. This can be explained with the example of Osama Bin Laden. Terrorism cannot be controlled by the law enforcing agencies alone. The world has to unite in order to face this growing threat of terrorism. Let us hope that the world would be free from this hazard very soon. Without terrorism, the world would become a better place to live in.

Q.5 Assume that you are a technical manager at a company that manufacturing electronic gadgets such as Microwaves and Toasters. Write a technical description of these gadgets for publication in the technical manual.

Ans. **Technical description of microwave :**
The control panel



Technical description of toaster

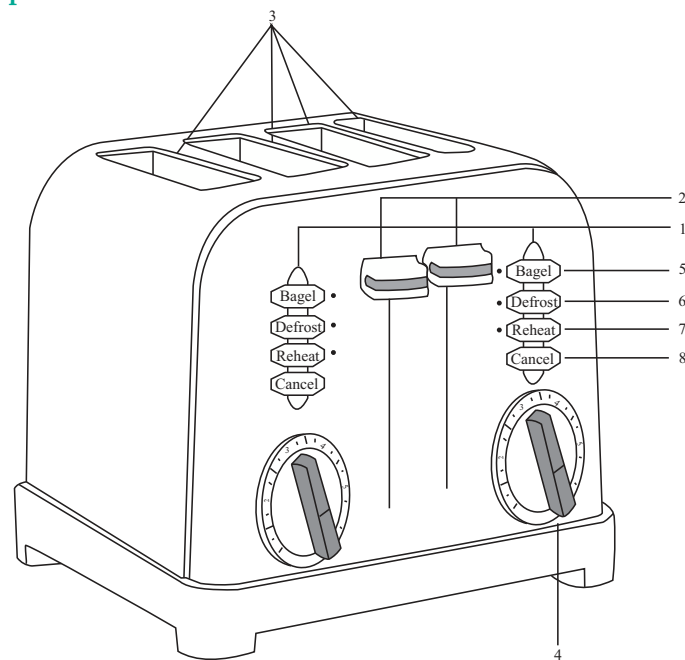


Fig : Toaster

Parts of toaster :

- Dual control panels :** Two sets of controls toast breads on different settings. Use controls and carriage lever on the left for slots 1 and 2 and controls and carriage lever on the right for slots 3 and 4.
- Extra lift carriage control lever :** Brings small items close to the top of the toaster, for easy removal.
- 1-1/2" toasting slots :** Wide toaster slots toast a wide variety of items.
- Browning control :** Rotary dial sets selected shade. 6 browning levels toast from light to dark.

5. **Bagel button** : Adds extra time to toasting cycle. LED lights when selected.
6. **Defrost button** : Defrosts and toasts frozen bread. LED lights when selected.
7. **Reheat button** : Reheats without browning or toasting. LED lights when selected.
8. **Cancel button** : Interrupts toasting process.
9. **Slide-out crumb tray (not shown)** : Pulls out to clean crumbs that collect in bottom of toaster.
10. **Cord storage (not shown)** : Takes up excess cord and keeps countertop neat.
11. **BPA-free (not shown)** : All parts that come in contact with food are BPA-Free.

Q.6 With summer approaching you intend to purchase air conditioners for your office at Safdarjung Road, New Delhi. Assuming yourself to be the Maintenance officer of Ubiquitous Technologies Pvt. Ltd. New Delhi. Write a letter investing quotations to Westworld appliances and equipment, Mumbai, Seeking information about the availability and price of the project.

Ans.

Ubiquitous Technologies Pvt. Ltd.
Safdarjung Road
New Delhi – 490001
Telephone No. 2235654
Fax No. 011-2236856

17 March 2015
Ref. No. 07/ENQ/02

The Sales Executive
Westworld Appliances and Equipment
Mumbai

Subject : Application for quotation invitation.

Dear Sir,

We wish to buy air conditioners for our office. We shall be grateful if you will send us your quotations at the earliest. Since the processing of the purchase proposal takes quite some time, it would be helpful if you could quote rates which may remain valid for at least four month.

Air Conditioners - 25

We would be grateful if you could kindly quote your lowest rates. Send us a copy of your latest catalogue and let us know your terms and condition. You can expect large orders, in future, provided your terms are competitive.

Yours truly
Rakesh Verma
Maintenance Officer

Q.7 Draft a job application letter for the post of software engineer in world Mega Soft Pvt. Ltd. Gurgaon. Assume relevant details. Enclose a resume.

Ans. Aman Verma
Bhilai (CG) 490023
Amanverma.verma@gmail.com

27 June 2012

Mr. Vikas Sharma

Mega Soft Pvt. Ltd.
Gurgaon

Dear Mr. Vikas,

I saw your advertisement in Indian Express newspaper about the position of software engineer three days ago. I would like to apply as software engineer in your company. I am sure that I have skills and experience to apply for this job.

I have worked as software engineer for three year in V-Tech Company. I have created and implemented software designs. I managed and maintained software system. My track records in V-Tech Company shows that I have reached successful performance.

My number of independently creative and innovative ideas are able to build great works. I am able to work both in a team or self-discipline and high responsibility are my principle. I am certain that my skills and experience are suitable with your job requirement.

I have enclosed my resume for your review. It will describe my detailed skill and experience. I hope that I could get chance to meet you for interview session. Thank you for your attention and consideration.

Thanking You
Yours sincerely
Aman Verma

