

Subject Code: R161101/R16

Set No - 1

I B. Tech I Semester Regular Examinations December - 2016

ENGLISH-I

(Common to all branches)

Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Four Questions should be answered from **Part-B**

PART-A

- What is meant by "Human Resource"? Give examples from various professions.
 - What are the major problems faced by public because of auto drivers? What do you think is the proper solution to this problem?
 - What is the difference between mass production and production by masses?
 - Define Alternative Energy Sources. Give examples with the industries in which they can be used.
 - Mention any two actions of humans that lead to animal extinct. Explain how these actions affect animals.
 - Can professional relationships be same as personal relationships? Give two reasons to support your answer.
 - What was the fat man's perspective to War? Is he really happy with his condition? Give reasons.

[7 x 2 = 14]

PART-B

- Write in detail how Srinivasa Ramanujan is an invaluable human resource, particularly to the field of Mathematics.
 - What exactly is the problem with Mr. Neave's ideal family?
 - Read the passage below and answer the questions that follow:

All elements found on the periodic table have certain distinct properties. Elements are single types of atoms, while atoms are the fundamental building blocks of all matter. Gold, for instance, is a soft, naturally occurring metal known for being beautiful and desired. Gold is malleable, and while it is found naturally in the environment, it is often reworked and incorporated into fine jewelry. Oxygen is a necessary and naturally occurring element. It's an invisible, odorless gas that's a crucial part of the air we breathe and necessary for our bodies to function properly. Often, elements like those noted are combined in varying ways to create new chemical substances. Chemical substances react in certain ways and also have certain discernible properties. For instance, when an oxygen atom and two hydrogen atoms come together they form water, which is essential to life. When the atoms of a specific substance are regrouped, a new substance is formed with often vastly different properties from the original substance. Occasionally something completely harmless, or even necessary, can become dangerous or lethal when its molecules (a grouping of two or more atoms) are regrouped.

The components of table salt are a good example of how different substances can look when their atoms are rearranged. Common table salt, also known as sodium chloride is an interesting chemical compound because, while it is commonly consumed by humans, when you separate its elements—sodium and chlorine you are left with something quite different from the edible seasoning known as salt. The components of salt are sodium and chlorine, both of which are harmful for human consumption and even contact. Sodium requires great care when being handled. If it comes into contact with water, the reaction can be flammable, while powdered sodium has the potential to be combustible (explosive) in oxygen or air. Chlorine, meanwhile, is an extremely caustic and dangerous substance. Chlorine is used primarily as a cleaning agent; it is commonly used in swimming pools to render them sanitary, but is mixed with other chemicals and diluted for these purposes. This is what makes it safe for people to swim in swimming pools.

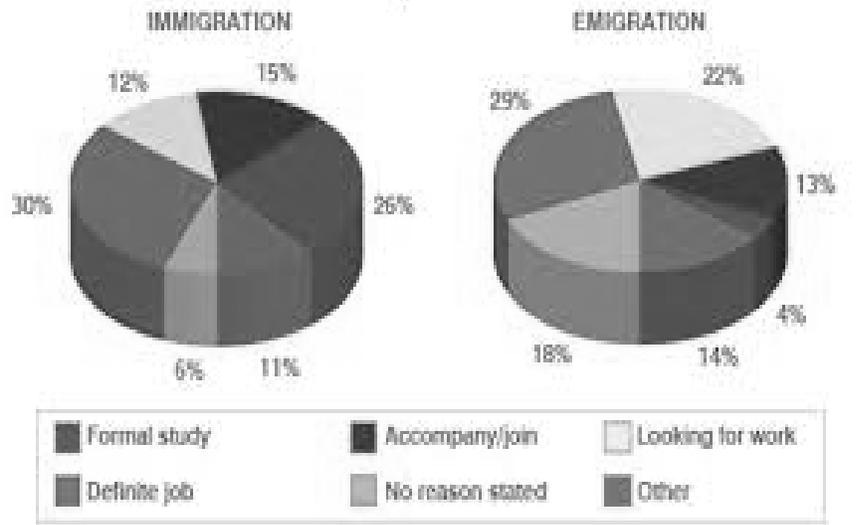
Answer the following questions in ONE or TWO sentences:

- (i) What happens when the atoms of a substance are regrouped?
- (ii) The creation of carbon monoxide is an effect. Give a reason.
- (iii) Table salt can be separated into sodium and chlorine. Sodium is explosive. Chlorine is a gas that can kill people. What can be concluded from the statements above?
- (iv) Give a title to the passage.
- (v) Write a synonym to the word “discernible”.
- (vi) What are the uses of chlorine?

[5+3+6]

3. (a) Write a letter to the Editor, The Hindu Newspaper, stating the problems you have been facing due to bad roads and traffic in your home town.
- (b) What are the different perspectives on War expressed in the story “War”?
- (c) Mention the number of people who migrated from UK for various reasons, and prepare a list of points which supports the pie chart. Write the information in the form of a passage of about 200 to 250 words.

MAIN REASON FOR MIGRATION TO/FROM THE UK - 2007



Source: Census

[5+3+6]

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Set No - 1

4. (a) List the advantages and disadvantages of Alternative Energy Sources. What can be the substitutes for power to small scale industries and how?
(b) Describe the character of Albert Edward Foreman
(c) Write at least two synonyms for the following words: (Mark will be awarded only if you write TWO synonyms, NOT one)
(i) Abundant (ii) Reliant (iii) Complacency (iv) Vitality (v) Disillusion (vi) Jaunty
[5+3+6]
5. (a) What kind of changes did science and technology bring into our lives? What are the advantages and disadvantages of these changes?
(b) What made Mriganko Babu see Abhiram in the dusk time? How did he find his watch?
(c) Match the words in column A with their antonyms in column B. Use these antonyms in your own words.
(The mark will be awarded only if you use them in your own sentences.)
- | A | B |
|-----------------|--------------|
| (a) Vulnerable | (a) cheerful |
| (b) Appalling | (b) arrival |
| (c) Lamentable | (c) advanced |
| (d) Retreat | (d) unique |
| (e) Rudimentary | (e) strong |
| (f) Massive | (f) pleasant |
- [5+3+6]
6. (a) What kind of a scientist is Salim Ali? Support your answer with suitable examples from the text.
(b) Do you think there are many villages lost like the author's in India? Is it for good or bad? Support your answer with examples from present projects in your state/place.
(c) Use the appropriate forms of the verbs in the passage given below:
I usually (go) for a walk by that way everyday. That day, I (be lose) in thoughts and (miss) my way. I (bump) into my old school friend which (be) a pleasant surprise for me. It (take) sometime for him to (recognize) me but I could (identify) him immediately. We (hug) each other and (exchange) our contact numbers. After (come) home, I (share) this joyous news with my family.
[5+3+6]
7. (a) How important is training in service industry? Support your answer with suitable examples from your daily life.
(b) Compare Martin Luther King and Gandhiji as leaders of two different nations.
(c) Write one paragraph each on any two of the following topics:
(i) My hometown
(ii) Solar Cookers
[5+3+6]

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Set No - 2

I B. Tech I Semester Regular Examinations December. - 2016

ENGLISH-I

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Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Four Questions should be answered from **Part-B**

PART-A

- Why is human resource considered invaluable?
 - Write two major problems and solutions to road traffic problems in India.
 - How is production by masses better than mass production?
 - What are alternative energy sources? How do you think they can help in the progress of our country?
 - How are humans contributing to animal extinct? Explain with two examples.
 - How are personal relationships different from professional relationships and why?
 - What was the unbelievable truth to the bank manager about Albert Edward Foreman? Why is it unbelievable to the manager?

[7 x 2 = 14]

PART-B

- Define the role of human resources in any industry. How can this resource strengthen the industry?
 - Do you think Mr. Neave's family is an ideal family? Why/why not?
 - Read the passage below and answer the questions that follow:

For any given problem, there is often more than one solution. In some cases, there are very few solutions. In others, a countless array of perfectly good solutions can be introduced. Without a system for testing each solution to figure out which is best, we'd have no quantifiable way of figuring out which one to choose. Once a hypothesis, or potential solution to a problem, is in place, it needs to be tested. More than one hypothesis can be tested, and results should be carefully recorded. Some solutions are more easily identifiable as being "the best." For example: the quickest route from home to school; the gear ratio that will make it easiest and most efficient to ride your bike; the best time of year to plant tomatoes. All of these solutions address very specific, concrete problems and are highly testable. And once you've found a satisfactory solution you may not have to do too much testing. The solution will remain satisfactory indefinitely, as long as all other variables remain constant. Of course, there are other problems we encounter where the solution set is wide-ranging and more open-ended. Have you ever heard the expression "to build a better mousetrap"? It's an old saying that refers to a problem-solving endeavor that invites inventors and engineers to endlessly reimagine new and better solutions. In this case, the problem is very old and famously banal— catching mice.

Answer the following questions in ONE or TWO sentences:

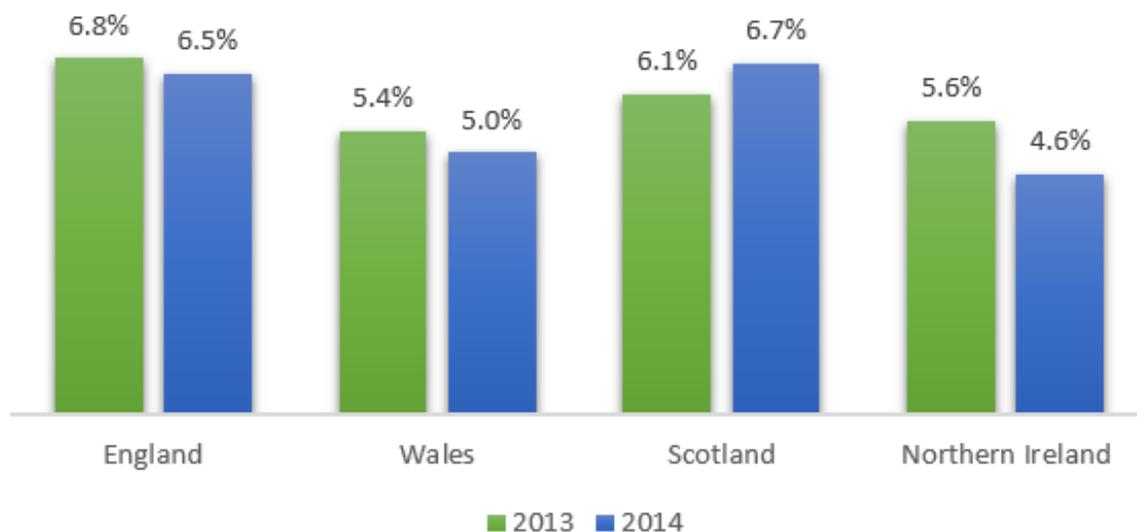
- (i) How do you identify the best solution to a given problem?
- (ii) What kind of problems can be given quick solutions?
- (iii) What is the meaning of the word “quantifiable”?
- (iv) What kind of problems cannot be given quick and single solutions?
- (v) Give a title to this passage.
- (vi) What is the saying “to build a better mouse trap” mean?

[5+3+6]

3. (a) Write a letter to the editor of a newspaper listing the problems faced by private transport users in a city like Hyderabad.
- (b) What was the common problem everyone in the compartment was facing? How did their perspectives change?
- (c) The graph below gives information about female unemployment in four countries of UK. Write the information in the form of a passage of about 200 to 250 words.

Female unemployment rates in the four countries of the UK

www.ielts-exam.net



[5+3+6]

4. (a) What does the passage Silent Spring talk about technological advancements in our lives? Do you agree with the author? Why/why not?
- (b) What are the characteristics of Albert Edward Foreman that the youth have to learn from him?
- (c) Write at least two synonyms for the following words: (Mark will be awarded only if you write TWO synonyms, NOT one)
- (i) Mysterious (ii) Imaginary (iii) Conventional (iv) Sophisticated
 - (v) excessive (vi) skeptical

[5+3+6]

Subject Code: R161101/R16

Set No - 2

5. (a) What are Salim Ali's contributions as an ornithologist to Indian bird life?
(b) Did Mriganko Babu really see Abhiram? Give instances from the text to support your answer.
(c) Match the words in column A with their antonyms in column B. Use these antonyms in your own words.
(The mark will be awarded only if you use them in your own sentences.)

A	B
(i) Morose	(a) perennial
(ii) Diluted	(b) failing
(iii) Perishable	(c) exclude
(iv) Thriving	(d) cheerful
(v) Incorporate	(e) freed
(vi) Fettered	(f) concentrated

[5+3+6]

6. (a) What are the major steps we need to take as a normal public to save animal life from extinction to maintain ecological balance?
(b) What was the havoc created by Hirakud Dam in the lives of the people who lived on its banks?
(c) Use the appropriate forms of the verbs in the passage given below:
(i) Every Sunday Sally (drive) her kids to have lunch outside. Her husband (join) them at the restaurant.

One day, while (have) lunch, their younger son Harry (fall) on the floor, (complain) of severe stomach ache. They (rush) him to the nearby hospital. The doctor immediately (attend) to him and (diagnose) it to be appendicitis. Later, Harry (undergo) a surgery. Now, he (recover) completely and (be) back to school.

[5+3+6]

7. (a) How does training help any industry run smoothly? Is the training required for experienced employees also? Give reasons to support your answer.
(b) What are qualities of Martin Luther King that made him a unique and successful leader?
(c) Write one paragraph each on any two of the following topics:
(i) Student etiquette
(ii) Mini-power grids

[5+3+6]

Subject Code: R161101/R16

Set No - 3

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Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Four Questions should be answered from **Part-B**

PART-A

1. (a) How is human resource the backbone of every industry?
- (b) How do you think politicians and police are failing in solving the road traffic problem in India? Why?
- (c) Define mass production and production by masses.
- (d) Mention any two alternative energy resources that can be best used in rural India? Give reasons for considering these energy sources better than others.
- (e) Mention two main causes that affect wild life in IIT Madras campus.
- (f) Can you force your boss to go for a movie with you? Why/why not? Give reasons.
- (g) Compare and contrast the Vicar with the Verger stating two characteristics of each of them.

[7 x 2 = 14]

PART-B

2. (a) Justify Indian government's decision of celebrating 22nd December as National Mathematics Day.
- (b) Who do you think is the cause for conditions in Mr. Neave's family? Justify your answer with suitable instances from the text.
- (c) Read the passage below and answer the questions that follow:

A rugged young hunter pauses after a successful deer hunt as his dogs bark and jump around him excitedly. He stands motionless, his serious gaze turned downward and his bent leg resting on the root of a large, sawed-off tree stump. A deerskin and rifle are slung over his shoulders, and antlers dangle from one hand. His hunting skills are key to his survival because he will sell the skin and antlers. This somber scene is set in the Adirondack Mountains of New York State. The sky is gray and overcast, with just a hint of sun and blue sky shining through the clouds. The distant mountains look cold and dark, and the oranges, yellows, and golds of autumn in the nearby trees and underbrush are fading to wintry browns. The only living creatures in this lonely landscape are the huntsman and his dogs.

Winslow Homer became an artist after working as a magazine illustrator. He was a great admirer of nature and took hunting vacations in the Adirondacks with his brother for forty years. Because he wanted to capture the mood and feeling of being in nature, Homer patiently observed the natural world and recorded it as realistically as possible.

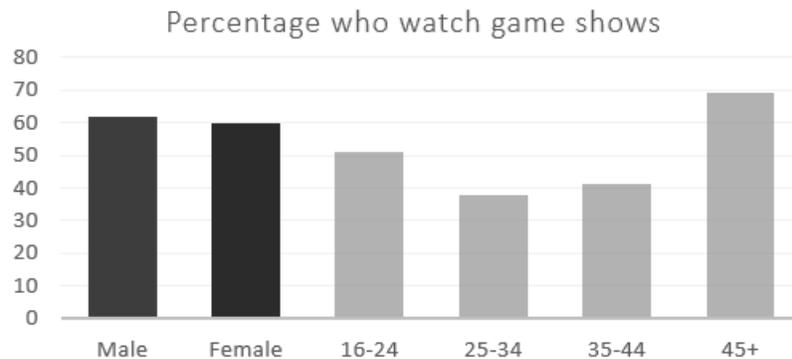
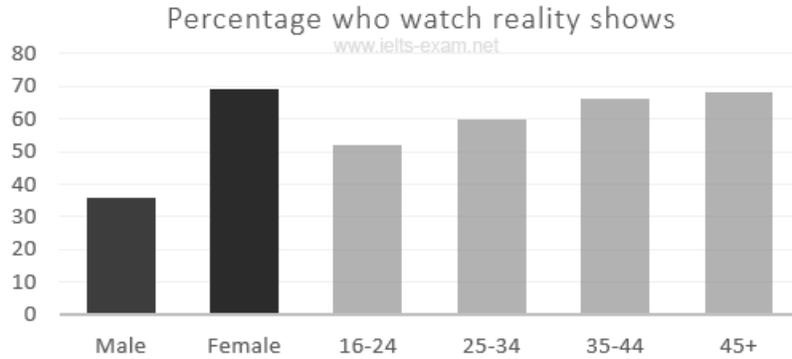
When he made this painting, the unspoiled wilderness that he loved was quickly disappearing due to the spread of modern cities, railroads, and factories. In fact, it was painted just one year before the establishment of the Adirondack National Park, which helps protect millions of acres of mountainous land whose natural beauty can still be enjoyed today.

Answer the following questions in ONE or TWO sentences:

- (i) What is the rugged young hunter doing?
- (ii) The first paragraph describes what is happening in the painting. What does the second paragraph describe?
- (iii) Give a synonym to the expression “unspoiled wilderness”.
- (iv) What could be the right title to this text?
- (v) What might have inspired Winslow Homer to make this painting?
- (vi) Describe the hunter in Homer’s painting.

[5+3+6]

3. (a) Write a letter to the editor of a newspaper and list the problems faced by traffic police on the roads to control and traffic and reduce accidents.
- (b) What is the central theme of the story “War”?
- (c) The charts give information about two genres of TV programmes watched by men and women and four different age groups in Australia. Write the information in the form of a passage of about 200 to 250 words.



[5+3+6]

Subject Code: R161101/R16

Set No - 3

4. (a) Discuss the benefits and disadvantages of technology.
(b) What helped Albert Edward Foreman cope with the situations he faced?
Give instances/events from the text to support your answer.
(c) Write at least two synonyms for the following words: (Mark will be awarded only if you write TWO synonyms, NOT one)
(i) Promote (ii) Unconventional (iii) Hazard (iv) Delighted
(v) prevention (vi) Genius

[5+3+6]

5. (a) What are Salim Ali's contributions as an environmentalist?
(b) Write the story "The scarecrow" from Abhiram's point of view.
(c) Match the words in column A with their antonyms in column B. Use these antonyms in your own words. (The mark will be awarded only if you use them in your own sentences.)

A	B
(i) Rudimentary	(a) concern
(ii) Apathy	(b) familiar
(iii) Desolate	(c) sophisticated
(iv) Uncanny	(d) straight
(v) Appalling	(e) pleasant
(vi) Distorted	(f) befriend

[5+3+6]

6. (a) What are the steps we need to take to save vanishing animals? Do you think we would really help animal life? Explain.
(b) What is the message the author tried to convey through the text "The Village Lost"?
(c) Use the appropriate forms of the verbs in the passage given below:

[5+3+6]

7. (a) As part of office etiquette, how do you think you need to maintain your relationships with your colleagues? Mention some dos and don'ts in the office and with colleagues.
(b) What made Martin Luther King worthy of honor and celebration even today?
(c) Write one paragraph each on any two of the following topics:
(i) Safety in chemical industry
(ii) My favourite teacher

[5+3+6]

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Set No - 4

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ENGLISH-I

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Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Four Questions should be answered from **Part-B**

PART-A

- (a) Are human resources really invaluable? Justify your answer with suitable examples.
(b) What do you think are the causes for traffic problems in small town market places?
(c) Compare and contrast production by masses and mass production.
(d) How renewable energy sources better than non-renewable energy sources? Give two reasons.
(e) State any two ways that can protect animals from extinct.
(f) Define professional and personal relationships with examples.
(g) What are the dreams and images Mr. Neave sees when he closes his eyes? What do they indicate?

[7 x 2 = 14]

PART-B

- (a) How does Srinivasa Ramanujan stand as an icon to say that human resources are invaluable.
(b) What are the features of an ideal family missing in Mr. Neave's?
(c) Read the passage below and answer the questions that follow:

Water makes up nearly three-quarters of the Earth's surface, but it does more than just cover our planet – it also plays a vital role in shaping it.

Consider the Grand Canyon. Measuring 277 miles long, 18 miles wide and more than 1 mile deep, it is considered one of the Seven Natural Wonders of the World and attracts more than 5 million visitors per year. This geological marvel was created by the waters of the Colorado River through the processes of weathering and erosion.

Weathering is the process by which moving water breaks down soil, rock and minerals, and erosion is the process by which the flowing water transports soil and rock from one spot and deposits it elsewhere. The two processes often occur in conjunction.

Weathering and erosion are very slow processes. Geologists believe the Colorado River has been flowing through the Grand Canyon for at least 17 million years, and it has been gradually shaping the canyon this entire time.

The flowing water of the river and its tributaries has carved away at the rock of the Colorado Plateau, creating the sight we are familiar with today. Caves and caverns are another example of weathering and erosion. Limestone caves, such as the Carlsbad Caverns in New Mexico, are formed when rainwater mixes with carbon dioxide in the ground and wears away at the limestone.

Sea caves, which can be found along coastlines, are formed when powerful waves crash against the shore and break away chunks of rock. Ice caves are formed when glaciers melt, and the ice melt flows across the ground as a stream.

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You don't have to travel very far to see the effects of weathering and erosion for yourself, though. If you've ever been to the beach, you've already seen evidence of how powerful a force moving water can be and all you had to do was look down. The sand covering the beach is actually the result of rocks being broken down into tiny pieces and then washed ashore by the waves.

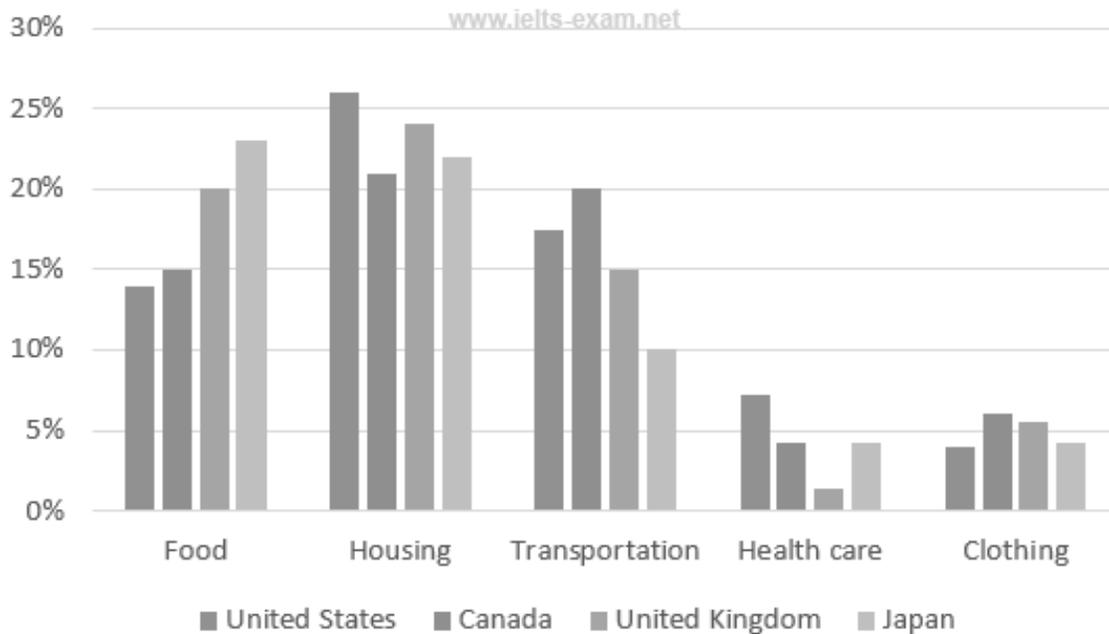
Answer the following questions in ONE or TWO sentences:

- (i) What are the two things that water does to the earth?
- (ii) What are the processes by which water can shape the earth?
- (iii) What is geologists' belief about Colorado River?
- (iv) Give two examples of erosion and carving.
- (v) Write a synonym to "Conjunction".
- (vi) Give a title to this text.

[5+3+6]

3. (a) List out the problems related to road safety in India and possible solutions. Support your solutions with reasons to make sure that your solutions are implementable.
- (b) Is it good to live in grief like the lady in the compartment or like the fat man? Give reasons quoting suitable instances from the text.
- (c) The bar chart below shows shares of expenditures for five major categories in the United States, Canada, the United Kingdom, and Japan in the year 2009. Write the information in the form of a passage of about 200 to 250 words.

**Shares of expenditures for selected categories,
United States, Canada, United Kingdom, and Japan, 2009**



[5+3+6]

Subject Code: R161101/R16

Set No - 4

4. (a) What are the steps we can take to stop the negative effects of over use of technology in our lives? Do you think these steps can be implemented? Give reasons to support your answer.
- (b) How do you think Albert Edward Foreman managed to be a successful businessman without education? What are the qualities that we need to learn from him?
- (c) Write at least two synonyms for the following words: (Mark will be awarded only if you write TWO synonyms, NOT one)
- (i) Vulnerable (ii) Prevention (iii) Sustained (iv) Numerous
(v) destruction (vi) rudimentary

[5+3+6]

5. (a) What are Salim Ali's contributions as an environmentalist?
- (b) Was it a dream or a real incident that Mriganko Babu saw Abhiram? Give reasons to support your answer.
- (c) Match the words in column A with their antonyms in column B. Use these antonyms in your own words. (The mark will be awarded only if you use them in your own sentences.)

A	B
(i) Hoisted	(a) ending
(ii) Heart-rending	(b) misguide
(iii) Perennial	(c) pleasant
(iv) Jockeyed	(d) stable
(v) Weird	(e) lower
(vi) Turbulent	(f) joyous

[5+3+6]

6. (a) How did Salim Ali save the lives of birds in India? What are his contributions as an ornithologist to Indian wild life.
- (b) Is the lesson "The Village Lost" relevant to the present projects on the rivers? Give reasons.
- (c) Use the appropriate forms of the verbs in the passage given below:
Usually, I (work) from 9 to 5. I (work) for the same company for the past 10 years. But this I (want) a change in my job. I started (take) French classes. That is why I (come) to Paris. Real learning of a language (take) place only when we learn to (use) it and that opportunity you (get) only when you (live) in the land where it is (use) as first language. This is the first time I (learn) a new language and it (be) a thrilling experience for me.

[5+3+6]

7. (a) Do experience and safety go together? Give reasons with examples from different industries.
- (b) Why did Martin Luther King embrace his African roots? How did that help him fight against racism in America?
- (c) Write one paragraph each on any two of the following topics:
(i) Human Resource
(ii) My family

[5+3+6]
