

Reg. No. :

**Question Paper Code : 60039**

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2022.

First Semester

HS 3151 — PROFESSIONAL ENGLISH – I

(Common to : All Branches (Except Marine Engineering))

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Choose one of the four alternatives given for each question which can be substituted for the given phrase / sentence. (4 × ½ = 2)
  - (a) Science concerned with the study of life
    - (i) Biology
    - (ii) Sociology
    - (iii) Botany
    - (iv) History
  - (b) Words inscribed on tomb
    - (i) Epitome
    - (ii) Epitaph
    - (iii) Epistle
    - (iv) Epilogue
  - (c) Person who cannot die
    - (i) Immoral
    - (ii) Human
    - (iii) Immortal
    - (iv) Mortal
  - (d) One who eats everything
    - (i) Onmivorous
    - (ii) Omniscient
    - (iii) Irresistible
    - (iv) Herbivorous
2. Write a definition for any TWO of the following: (2 × 1 = 2)
  - (a) Pulse Oximeter
  - (b) Calculator
  - (c) Data Card
  - (d) Computer Speaker

3. Fill in the blanks with appropriate tense forms. (4 × ½ = 2)
- (a) Ram ————— (play) cricket every Saturday.
- (b) My brother is going to Germany for his Masters next year. That's why he ————— to study German. (start)
- (c) After she ————— (help) me with my homework, she ————— (go) to meet her friends.
4. Combine the following sentences using appropriate causal expressions. (2 × 1 = 2)
- (a) A huge truck overturned on the middle of the road last night. The police cordoned off entire area in the locality this morning for half of the day.
- (b) There were heavy rains in the state for past two days. Schools and colleges were closed.
5. Fill in the blanks with suitable prepositions. (4 × ½ = 2)
- (for, to, with, by, on, at, out, in)
- (a) My friend's house is ————— the way from Chennai to Pondicherry.
- (b) When we went ————— a walk with my friends, I ran ————— of money within one hour itself.
- (c) My grandmother always travels ————— her dog.
6. Complete the following sentences using an appropriate form of the verb given in the brackets. (4 × ½ = 2)
- (a) Plenty of apples and bananas ————— (is/are) available this season in our farm.
- (b) There ————— (was/were) many difficulties for the family to sort it out.
- (c) Either he or his friends ————— (is/are) responsible for this incident.
- (d) The leader, as well as his party men ————— (was/were) busy partying yesterday.
7. Complete the following table with suitable form of words: (8 × ¼ = 2)

Noun	Verb	Adjective
Attraction		
	Believe	
		Destructive
Popularity		

8. Frame two sentences using any TWO of the phrasal verbs given below (2 × 1 = 2)
- (a) cut it out (b) fall apart
- (c) give away (d) run into

9. Match the words in column A with their meanings in column B (4 × ½ = 2)

A	B
Conserve	Lethargy
Accelerate	Enormous
Inertia	Insignificant
Massive	Quicken
	Protect/save
	Conventional

10. Frame wh-questions for the following statements. (2 × 1 = 2)

- (a) Anand will prepare the draft today itself.  
 (b) They saw Tajmahal during their trip to India.

PART B — (5 × 16 = 80 marks)

11. Read the following passage and answer the questions given below:

Thick black smoke curling out of smokestacks, horrible-tasting chemicals in your drinking water, pesticides in your food – these are examples of pollution. Pollution is any contamination of the environment which causes harm to the environment or the inhabitants of the environment. There are many kinds of pollution, and there are many pollutants. Some obvious kinds of pollution are pollution of the air, soil, and water. Some less obvious, or less salient, kinds of pollution are radioactive, noise, light pollution and green-house gases.

Air pollution can be caused by particles, liquids, or gases that make the air harmful to breathe. There are two main types of air pollution: primary and secondary. Primary pollutants enter the air directly, like smoke from factories and car exhaust. Secondary pollutants are chemicals that mix together to pollute the air, like mixtures of emissions, or waste output, from vehicles and factory smoke that change to form more dangerous pollutants in the air and sunlight.

Soil pollution can be caused by pesticides, leakage from chemical tanks, oil spills, and other chemicals which get into the soil by dumping or accidental contamination. Soil pollution can also cause water pollution when underground water becomes contaminated by coming into contact with the polluted soil.

Water pollution can be caused by waste products, sewage, oil spills, and litter in streams, rivers, lakes, and oceans. Some scientists believe that water pollution is the largest cause of death and disease in the world, causing about 14,000 deaths in the world each day.

Radioactive pollution can be caused by leaks or spills of radioactive materials. These materials can come from medical sources, nuclear power plants, or laboratories which handle radioactive materials. Air, soil, and water can be polluted by radioactivity. It can cause damage to animals, both internally and externally, by eating, drinking, or touching it. It can cause birth defects and genetic problems. It can cause certain cancers and other deadly diseases.

Noise pollution can be caused by vehicle, aircraft, and industrial noise. It can also be caused by military or experimental sonar. Noise has health effects on people and animals. In people, it can cause high blood pressure, heart problems, sleep disturbances, and hearing problems. In animals, it can cause communication, reproductive and navigation problems — they have difficulty finding their direction. Sonar has even caused whales to beach themselves because they respond to the sonar as if it were another whale.

Light pollution can be caused by advertising signs, stadium and city lighting, and other artificial lighting (like the light caused by night traffic). Artificial lighting has health effects on humans and animals. In people, it can cause high blood pressure and affect sleeping and waking rhythms and immunity. It might be a factor in some cancers, such as breast cancer. In animals, it can affect sleeping and waking rhythms, navigation and reproduction.

In addition, greenhouse gases have caused a warming effect on the earth's climate. The greenhouse gases are water vapor, carbon dioxide, methane, and ozone. They are naturally – occurring gases in the atmosphere, but human activity has increased their concentration in the atmosphere. For example, the levels of carbon dioxide (CO<sub>2</sub>) in the atmosphere have risen due to the burning of fossil fuels. The effect is a rise in global temperatures. The higher temperatures cause the melting of glaciers, a rise in the water level of oceans, and the disruption of both land and marine life, including that of humans. Although carbon dioxide is necessary for plants to survive, it is also considered to be a kind of pollution because high levels of carbon dioxide have caused the oceans to become more acidic.

It is not possible for anyone to predict the exact timing and effects of global pollution and global climate change brought about by pollution. There is general agreement by scientists that the global climate will continue to change, that the intensity of weather effects will continue to increase, and that some species of animals will become extinct. There is also general agreement, or consensus, that humans need to take steps to reduce emissions of waste products and greenhouse gases into the atmosphere, make adaptations to the changes that are occurring and figure out ways of reversing the trends of pollution and global warming.

(a) Answer the following questions based on the passage: (6 × 1 = 6)

(i) What is an example of air pollution?

- (1) Noise from traffic
- (2) Exhaust from traffic
- (3) Oil from oil spills
- (4) Waste water from chemical industry

- (ii) What kind of pollution is thought to cause the most death and disease?
- (1) Air pollution
  - (2) Noise pollution
  - (3) Radioactive pollution
  - (4) Water pollution
- (iii) What is an effect of artificial light pollution?
- (1) High blood pressure
  - (2) Low energy
  - (3) Hearing problems
  - (4) Birth defects
- (iv) Carbon dioxide is
- (1) necessary for human beings
  - (2) cause for high blood pressure
  - (3) a major source of water pollution
  - (4) consequence of light pollution
- (v) Which one of the following can be a consequence of radioactive pollution?
- (1) sleep disturbance
  - (2) sleep cycle
  - (3) birth defects
  - (4) melting of glaciers
- (vi) Emissions are
- (1) residual soil
  - (2) waste output
  - (3) ozone layer
  - (4) loud noise
- (b) Say True or False (6 × 1 = 6)
- (i) There is a strong belief that some animals will become extinct in future.
  - (ii) Light pollution impacts even the animals.
  - (iii) Soil pollution can be treated easily as it does not impact other elements.
  - (iv) Chemical from factory enters the air directly and affects people.
  - (v) Humans have the responsibility to take steps to reduce emission of waste products.
  - (vi) It is very easy to predict specific effects of climate change caused by pollution.

(c) Choose the right option for the following questions: (4 × 1 = 4)

(i) Something 'salient' is

- (1) incredible (2) outstanding  
(3) necessary (4) potential

(ii) What is litter?

- (1) trash (2) receptacle  
(3) light pollution (4) noise pollution

(iii) In the phrase 'the disruption of both land and marine life', what is the meaning of 'disruption'?

- (1) interruption (2) connection  
(3) association (4) intermediary

(iv) The best antonym for internal is

- (1) inside (2) outside  
(3) external (4) middle

12. (a) As a Class representative you are organizing an industrial visit to a chemical factory. Write a set of eight instructions that has to be followed by all students for this industrial visit. (16)

Or

(b) You are the Secretary of the Nature Club in your college. Write a set of eight recommendations that has to be followed by students to keep the campus clean and green. (16)

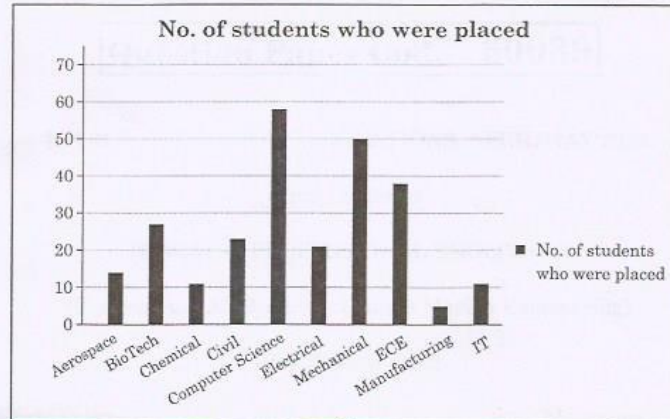
13. (a) You are working as the Project Engineer in luxurytrips.com. Your company recently opened a new branch in south India. You plan to provide luxury travel packages to Corporates. You plan to offer nice deals to the customers on the launch day. Write a detailed report about the successful launch of the new branch in your city. Send the report as an email attachment to your head office. (16)

Or

(b) You are the Student President in your college. You organized an inter-college technical festival for two days. You are expected to write a short report of the event with all activities and guest lectures that took place in two days. Send this report to your college principal by email. (16)

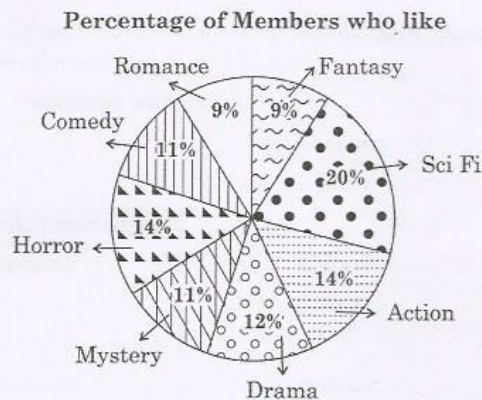
14. Choose any one of the diagram and write a detailed description and interpretation for the same in not more than 200 words. (16)

(a) Placement of Students across branches in an Engineering College



Or

(b) Favourite Genre of the Film Club Members.



(Fantasy – 9%, Sci Fi – 20%, Action – 14%, Drama – 12%, Mystery – 11%, Horror, - 14% Comedy – 11%, Romance – 9%)

15. Write an essay on any one of the topics for not more than 300 words. (16)

(a) A vacation trip from your childhood

Or

(b) My hometown