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Question Paper Code	12835
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**B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2024**

Second Semester

**Computer Science and Engineering**

(Common to All Branches)

**20HSEN201 – TECHNICAL ENGLISH II**

Regulations - 2020

**Duration: 3 Hours**

**Max. Marks: 100**

**PART - A (10 × 2 = 20 Marks)**

Answer ALL Questions

- |                                                                                                      | <i>Marks</i> | <i>K-<br/>Level</i> | <i>CO</i> |
|------------------------------------------------------------------------------------------------------|--------------|---------------------|-----------|
| 1. Fill in the blanks with the correct form of the verbs given in parentheses:                       | 2            | K1                  | CO1       |
| a) By this time next year, I _____ (graduate) from university.                                       |              |                     |           |
| b) They _____ (wait) for the bus for over an hour when it finally arrived.                           |              |                     |           |
| 2. Choose the correct form of the verb that agrees with the subject.                                 | 2            | K2                  | CO1       |
| a) Each of the students _____ (is/are) responsible for doing his or her work.                        |              |                     |           |
| b) Either my father or my brothers _____ (is/are) going to sell the car.                             |              |                     |           |
| 3. Give extended definition for the following term: Artificial Intelligence                          | 2            | K2                  | CO2       |
| 4. Fill in the blanks using the right homophones given in brackets.                                  | 2            | K2                  | CO2       |
| a) I felt ____ (week/weak) after I worked the whole day.                                             |              |                     |           |
| b) Your perfume has a wonderful _____. (a)scent; (b)sent; (c)cent                                    |              |                     |           |
| 5. Give a word to substitute the underlined words in the following sentences:                        | 2            | K2                  | CO3       |
| a) Ravi is a kind of person <u>who dislikes humankind and avoids human society.</u>                  |              |                     |           |
| b) Meena was accused of <u>the act of intentionally causing her own death.</u>                       |              |                     |           |
| 6. Change the following sentences as directed:                                                       | 2            | K1                  | CO3       |
| a) Russia's population is not as high as China's (comparative).                                      |              |                     |           |
| b) Bees are the most industrious insects. (positive)                                                 |              |                     |           |
| 7. Make sentences using the given idioms & phrases appropriate to its meaning:                       | 2            | K2                  | CO4       |
| a) monkey's business                                                                                 |              |                     |           |
| b) hold your horses                                                                                  |              |                     |           |
| 8. Rewrite the sentences using the discourse markers given in the brackets:                          | 2            | K2                  | CO4       |
| a) My brother does not earn a good wage. My sister-in-law does not earn a good wage. (neither...nor) |              |                     |           |
| b) Rome is a great place to visit, but it has terrible traffic problems. (despite)                   |              |                     |           |

9. Rewrite the following as numerical expressions: 2 K1 CO5  
a) A bottle with a capacity of 10 litres  
b) A pipe of 3 feet length
10. Choose the correct verbal analogy: 2 K2 CO6  
a) Disease: Pathology:: Planet: \_\_\_\_\_  
(i) Astrology (ii) Geology (iii) Astronomy (iv) Palaeontology  
b) Penology: Punishment: Seismology : \_\_\_\_\_  
(i) Law (ii) Earthquake (iii) Liver (iv) Medicine

**PART - B (5 × 13 = 65 Marks)**

**Answer ALL Questions**

11. a) Imagine you are going for a road trip for two days; prepare a checklist to check yourself before leaving for the trip. 13 K1 CO1

**OR**

- b) Imagine that you have to go to Delhi to attend an International Conference. Make an eight item checklist for your own reference. 13 K1 CO1

12. a) Summarize the following article in not more than 100 words. 13 K2 CO2

Here's a term you're going to hear much more often: plug-in vehicle, and the acronym PEV. It's what you and many other people will drive to work in, ten years and more from now. At that time, before you drive off in the morning you will first unplug your car - your plug-in vehicle. Its big onboard batteries will have been fully charged overnight, with enough power for you to drive 50-100 kilometers through city traffic. When you arrive at work you'll plug in your car once again, this time into a socket that allows power to flow from your car's batteries to the electricity grid. One of the things you did when you bought your car was to sign a contract with your favorite electricity supplier, allowing them to draw a limited amount of power from your car's batteries should they need to, perhaps because of a blackout, or very high wholesale spot power prices. The price you get for the power the distributor buys forms your car would not only be most attractive to you, but it would also be a good deal for them too, their alternative being very expensive power from peaking stations. If driving home or for some other reason your batteries looked like running flat, a relatively small, but quiet and efficient engine running on petrol, diesel or compressed natural gas, even bio-fuel, would automatically cut in, driving a generator that supplied the batteries so you could complete your journey. Concerns over 'peak oil', increasing greenhouse gas emissions, and the likelihood that by the middle of this century there could be five times as many motor vehicles registered worldwide as there are now, mean that the world's almost total dependence on petroleum-based fuels for transport is, in every sense of the word, unsustainable.

**OR**

- b) Read the passage and make notes on it in point's only, using abbreviations, wherever necessary. Also suggest a suitable title. 13 K2 CO2

The most alarming of man's assaults upon the environment is the contamination of air, earth, rivers and sea with lethal materials. This pollution is for the most part irrevocable; the chain of evil it initiates is for the most part irreversible. In this contamination of the environment, chemicals are the sinister partners of radiation in changing the very nature of the world; radiation released through nuclear explosions into the air, comes to the earth in rain, lodges into the soil, enters the grass or corn, or wheat grown there and reaches the bones of a human being, there to remain until his death. Similarly, chemicals sprayed on crops lie long in soil, entering living organisms, passing from one to another in a chain of poisoning and death. Or they pass by underground streams until they emerge and combine into new forms that kill vegetation, sicken cattle, and harm those who drink from once pure wells. It took hundreds of millions of years to produce the life that now inhabits the earth and reached a state of adjustment and balance with its surroundings. The environment contained elements that were hostile as well as supporting. Even within the light of the sun, there were short-wave radiations with power to injure. Given time, life has adjusted and a balance reached. For time is the essential ingredient, but in the modern world there is no time.

The rapidity of change and the speed with which new situations are created follow the heedless pace of man rather than the deliberate pace of nature. Radiation is no longer the bombardment of cosmic rays; it is now the unnatural creation of man's tampering with the atom. The chemicals to which life is asked to make adjustments are no longer merely calcium and silica and copper and all the rest of the minerals washed out of the rocks and carried in the rivers to the sea; they are the synthetic creations of man's inventive mind, brewed in his laboratories, and having no counterparts in nature.

13. a) Your department is planning to conduct an international symposium. Prepare agenda and minutes of the meeting, regarding the planning of the event. 13 K2 CO3

**OR**

- b) Write the minutes of the meeting conducted by the Anti – ragging Committee to initiate and keep at bay any kind of mishappening among the students. Remember to state all the rules and instructions planned to be implemented. 13 K2 CO3
14. a) You are the HR Manager of an IT firm. Your company wants to provide its employees with an additional facility in the premises. Write a survey report to decide on the facility that would be most appropriate. Consider facilities like gym, childcare centre, Indoor games etc. 13 K3 CO4

**OR**

b) SVT Industries is planning to establish its manufacturing unit in the outskirts of Chennai. As a manager, write a feasibility report analyzing the possibility of the establishment of the same. 13 K3 CO4

15. a) Consider yourself as the secretary of your college cultural club. Draft an email to a celebrity inviting him/her as the chief guest for the cultural event of your college. 13 K2 CO5

**OR**

b) Imagine that you are the Councilor of your town. Write a letter to the student secretary of XYZ college of engineering, accepting as to be the chief guest to inaugurate the Women's Day function. 13 K2 CO5

**PART - C (1 × 15 = 15 Marks)**

16. a) MHM software solutions, Delhi, recruit fresher's in various domains like, big data analysis, cyber security, software development etc. Consider yourself as a candidate and apply with your resume along with a cover letter. 15 K3 CO6

**OR**

b) TEC Technical Solutions, Chennai, wanted Mechanical, ECE & EEE graduates with minimum 5years of experience, for the post of Project Engineer in their respective domains. Interested candidates apply to: hr.chn@tecslns.com. 15 K3 CO6