

## HS 3152 – PROFESSIONAL ENGLISH – I

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

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

(Codes/Tables/Charts to be permitted)

Answer ALL questions.

### PART A — (10 × 2 = 20 marks)

1. Complete the following tag questions.
  - (a) We should start working on the project, \_\_\_\_\_?
  - (b) She didn't attend the workshop, \_\_\_\_\_?
2. Expand the following acronyms.
  - (a) IoT
  - (b) RFID
3. Choose the correct verb form to match the subject of the sentence.
  - (a) The circuit boards, along with the power supply, \_\_\_\_\_ (is/are) the core of the new prototype.
  - (b) Every component of the machine \_\_\_\_\_ (undergo/undergoes) rigorous testing.
4.
  - (a) Add a prefix to the following to make it into negative: ethical
  - (b) Write down any word where "im" is used as a negative prefix.
5. Make compound nouns from the following.
  - (a) a glass tube that is filled with mercury
  - (b) extraction of silver
6. Choose appropriate sequence words to complete the sentence.

\_\_\_\_\_ the engineers were troubleshooting the technical issues, \_\_\_\_\_, the designers were working on improving the user interface. (first, simultaneously, later, in the meantime)

7. Fill in the blanks with suitable articles.
- (a) \_\_\_\_\_ good engineer not only focusses on functionality but also considers aesthetics of the products.
- (b) \_\_\_\_\_ important part of \_\_\_\_\_ process is testing and validation.
8. Fill in the blanks with appropriate collocations to complete the sentences.
- (a) It is essential to \_\_\_\_\_ safety measures in working with hazardous materials.
- (i) take (ii) make  
(iii) ensure (iv) conduct
- (b) Engineers need to \_\_\_\_\_ solutions to complex problems.
- (i) devise (ii) create  
(iii) invent (iv) build
9. Punctuate the following sentence correctly.
- The project has three main goals reduce costs improve efficiency and enhance customer satisfaction
10. Complete the sentences using future tense form of the verb given in brackets.
- (a) The construction of the new facility \_\_\_\_\_ (begin) in the spring.
- (b) By the end of the next year, I \_\_\_\_\_ (graduate) from university.

**PART B — (5 × 16 = 80 marks)**

11. Write an email to your professor introducing your sister who has joined the college where you graduated from.
12. (a) Read the following passage and answer the questions. (8 × 2 = 16)

**"The Power of Resilience"**

In today's fast-paced world, facing challenges is inevitable. The ability to bounce back from setbacks and adapt to change is a skill that can make all the difference. Resilience, the subject of this talk, is not just a buzzword; it's a crucial trait that can transform your life.

Resilience can be described as the capacity to withstand difficulties and recover from adversity. It's not about avoiding problems but learning to navigate through them effectively. Studies have shown that individuals with higher levels of resilience tend to have better mental health, stronger relationships, and increased overall well-being.

One key aspect of resilience is the ability to maintain a positive outlook. It's not about denying the existence of problems, but rather, reframing them in a way that allows for growth and learning. A resilient person sees challenges as opportunities for personal development.

Additionally, building a support network is crucial in enhancing resilience. Humans are social creatures, and having a network of friends, family, and mentors can provide emotional support during tough times. Sharing experiences and seeking advice can help us find solutions we might not have considered on our own.

Moreover, setting realistic goals and taking incremental steps toward them can boost resilience. Achieving small victories on the path to a larger objective can provide a sense of accomplishment and motivation to keep going.

In conclusion, resilience is not an inborn trait but a skill that can be cultivated and strengthened over time. It enables us to face adversity with courage, maintain a positive outlook, and ultimately thrive in an ever-changing world. Embracing the power of resilience is not just an individual choice; it's a path to a more fulfilling and adaptable life.

Answer the questions briefly:

- (i) What is resilience, and why is it essential?
- (ii) How can maintaining a positive outlook contribute to resilience?
- (iii) What is the role of a support network in enhancing resilience?
- (iv) How can setting realistic goals help in building resilience?
- (v) What is one key aspect of resilience, as described in the passage?
  - (1) Denying the existence of problems
  - (2) Maintaining a negative outlook
  - (3) Reframing challenges for growth and learning
  - (4) Avoiding challenges for personal development
- (vi) According to the passage, what is the nature of resilience?
  - (1) Resilience is an inborn trait that cannot be cultivated.
  - (2) Resilience is solely based on an individual's choice
  - (3) Resilience is a skill that can be developed and enhanced over time.
  - (4) Resilience is a trait that is only valuable in a stable world.
- (vii) Complete the sentence.  
Setting realistic goals and taking incremental steps towards them \_\_\_\_\_.
- (viii) Give meaning of the words as used in the passage.
  - (1) inevitable
  - (2) navigate.

Or

- (b) Write a paragraph on 'Sustainable Energy Solutions'.

13. (a) Write a description of any one of the Smartphones – your ultimate companion. Describe the key features like display camera, storage, design, security aspects and software.

Or

- (b) Write eight instructions to keep your college environment clean.

14. (a) Write eight recommendations to help students learning time management skill.

Or

- (b) Analyze the following table and describe the important data precisely in about 150 words.

Phone model	Manufacturer	Display Size	Camera Resolution	Storage	Price
XYZ Phone X	XYZ Corp.	6.5 inches	48 MP(rear) 20 MP(front)	120 GB	Rs.35,999
ABC Phone Y	ABC Tech	6.2 inches	64 MP(rear) 25 MP(front)	256 GB	Rs.41,999
PQR Phone Z	PQR Inc.	6.4 inches	50 MP(rear) 32 MP(front)	64 GB	Rs.29,999
LMN Phone A	LMN Tech	6.1 inches	48 MP(rear) 16 MP(front)	128 GB	Rs.32,499

15. (a) Write an essay on the topic "Engineering: Shaping the Future of Humanity". Word limit: 250 words.

Or

- (b) Write an essay on the topic "Overcoming a personal Challenge". Tell the story of a significant challenge you faced, how you navigated through it and what you learned from the experience. Word limit 250 words.
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