Question Paper Code	13775

B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2025

Second Semester

Civil Engineering

(Common to All Branches)

24HSEN201 - PROFESSIONAL ENGLISH

Regulations - 2024

Duration: 3 Hours   Max. Marks: 100

PART - A (MCQ) (10 × 1 = 10 Marks)
Answer ALL Questions

				Marks	K – Level	CO

1. Choose the correct verb form
   The software tools _____ productivity significantly over the last year.   `1  K1  CO1`
   (a) have increased   (b) increase   (c) increases   (d) increased

2. Which of the following is a type of verbal communication?   `1  K1  CO1`
   (a) Body language   (c) Face-to-face conversation
   (b) Facial expressions   (d) Written reports

3. Choose the correct reported speech   `1  K1  CO2`
   The architect said, "We designed the bridge with earthquake resistance."
   (a) The architect said they designed the bridge with earthquake resistance.
   (b) The architect said they had designed the bridge with earthquake resistance.
   (c) The architect said they are designing the bridge with earthquake resistance.
   (d) The architect said they would design the bridge with earthquake resistance.

4. Identify the grammatically correct phrase using numerical adjectives   `1  K1  CO2`
   A holiday lasting 2 weeks is called:
   (a) A two-week holiday   (b) A two-weeks holiday
   (c) A two-week's holiday   (d) A two-weeks' holiday

5. Choose the suitable Discourse Markers   `1  K1  CO3`
   The presentation was well-prepared. _____, the audience loved it.
   (a) For example   (b) In contrast   (c) Therefore   (d) However

6. A well-written feasibility report should be: `1  K1  CO3`
   (a) Biased and one-sided
   (b) Based only on rumors
   (c) Objective, clear, and supported by evidence
   (d) Full of jokes and informal language

7. Raising your hand during a group discussion is an example of: `1  K1  CO4`
   (a) Non-verbal communication   (c) Verbal communication
   (b) Written communication   (d) Telepathic communication

8. Which of the following is a feature of a travelogue?   `1  K1  CO4`
   (a) Describes trips and travel experiences   (c) Lists scientific experiments
   (b) Tells the story of a famous person's achievements   (d) Discusses political theories

9. Choose the correct verbal analogy   `1  K1  CO5`
   RESISTOR : CURRENT ::
   (a) capacitor : resistance   (b) inductor : voltage
   (c) diode : direction   (d) transistor : frequency

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

10. Choose the grammatically correct sentence   *1*   *K1*   *CO6*
    (a) The chip was designed using a advanced nanometer process.
    (b) The chip was designed using an advanced nanometer process.
    (c) The chip was designed using the advance nanometer process.
    (d) The chip was design using an advanced nanometer process.

PART - B (12 × 2 = 24 Marks)
Answer ALL Questions

11. Fill in the blanks with the appropriate verb form   *2*   *K1*   *CO1*
    If the engineers _____ (finish) their work on time, the system _____ (be) operational by now.

12. Why is written communication important for professionals?   *2*   *K2*   *CO1*

13. Change the following sentences into Reported speech   *2*   *K1*   *CO2*
    The interviewer said to the participant, "Can you explain the working principle of a generator?"

14. Rewrite the following as numerical expression   *2*   *K1*   *CO2*
    A training session that runs for 90 minutes.

15. Combine the sentences using Cause and Effect Expressions   *2*   *K1*   *CO3*
    The advertisement went viral on social media. Sales increased dramatically.

16. Fill in the blank with suitable discourse markers   *2*   *K1*   *CO3*
    The team worked overtime to finish the project. _____, they were able to meet the deadline.

17. Find the embedded clause in the given sentences   *2*   *K1*   *CO4*
    The student who sits in the front row always asks questions.

18. Fill in the blank with suitable degrees of comparison   *2*   *K1*   *CO4*
    Among all Christopher Nolan's films, Inception remains _____ in terms of plot complexity. (complex)

19. Choose the correct meaning of the phrasal verb as used in the sentence   *2*   *K1*   *CO5*
    The developer was told to *roll back* the latest update.
    (a) Undo the changes   (b) Push to production
    (c) Test the code   (d) Restart the system

20. Choose the correct meaning of the phrasal verb as used in the sentence   *2*   *K1*   *CO5*
    He always *picks up* new frameworks quickly.
    (a) Downloads   (b) Copies   (c) Learns   (d) Installs

21. Choose the correct meaning of the idiom   *2*   *K1*   *CO6*
    This feature is *cutting edge*.
    (a) Risky to use   (b) Obsolete   (c) Old-fashioned   (d) Very advanced

22. Find the errors and rewrite the following sentence correctly   *2*   *K1*   *CO6*
    There is many modules in this course where are difficult to study.

PART - C (6 × 11 = 66 Marks)
Answer ALL Questions

23.   a)   Describe a moment in your life when a technical failure (e.g., a project, gadget, or experiment) taught you a lesson that shaped your approach to engineering. What did you learn, and how did it redefine your problem-solving process?   *11*   *K2*   *CO1*

OR

  b)   You have applied for a fresh passport. Prepare a checklist to make sure that you are ready for the passport verification interview.   *11*   *K2*   *CO1*

24. a) Summarize the following article into 200 words   *11*   *K2*   *CO2*

As digital transformation accelerates across industries, cybersecurity has become a critical concern for businesses and individuals. Cyber threats, including data breaches, ransomware attacks, and phishing scams, have increased significantly in recent years. According to IBM's 2023 Cost of a Data Breach Report, the average cost of a data breach reached $4.45 million, a 15% increase over the past three years. The rapid adoption of cloud computing, the Internet of Things (IoT), and remote work has further heightened cybersecurity risks.

Ransomware attacks have become one of the most severe cybersecurity threats, targeting businesses, hospitals, and government institutions. A report by Cybersecurity Ventures estimates that global ransomware damages will exceed $265 billion annually by 2031, with a new attack occurring every two seconds. High-profile ransomware incidents, such as the 2021 Colonial Pipeline attack, have highlighted the devastating impact of cyber extortion.

Organizations are investing in advanced cybersecurity measures, including AI-driven threat detection, zero-trust security models, and blockchain technology to safeguard sensitive information. AI-driven security solutions analyze network traffic in real-time and identify anomalies that could indicate cyber threats. According to a 2024 Gartner report, 75% of enterprises will use AI-based cybersecurity solutions by 2027.

The concept of zero-trust security has gained traction, emphasizing the principle of "never trust, always verify." This model requires strict identity verification for every user and device attempting to access a network. Companies such as Microsoft and Google have implemented zero-trust frameworks to enhance cybersecurity resilience.

Despite these efforts, cybercriminals continue to exploit vulnerabilities through sophisticated techniques such as deepfake scams and supply chain attacks. Deepfake technology, powered by AI, enables cybercriminals to create highly realistic fraudulent videos and voice recordings. According to a report by Deeptrace, deepfake-related cybercrimes increased by 900% between 2019 and 2023. To mitigate risks, companies must prioritize employee training, implement multi-factor authentication, and conduct regular security audits. As cyber threats evolve, a proactive approach to cybersecurity remains essential to protecting digital assets.

OR

b) Write two paragraphs on the topic "My Passion".   *11*   *K2*   *CO2*

25. a) Machine Malfunction Leading to Injury: A CNC machine operator's hand was injured due to a malfunctioning safety guard on a lathe machine. As the Safety Engineer, write an accident report on the incident and propose improvements in machine maintenance and worker training.   *11*   *K3*   *CO3*

OR

b) The Research & Development team at TVS Motor is conducting a meeting to discuss carbon footprint reduction strategies by launching budget friendly Electric bikes. Prepare an agenda and minutes for the meeting.   *11*   *K3*   *CO3*

26. a) You have been invited to attend a conference on Artificial Intelligence organized by IIT Bombay. Write a letter accepting the invitation.   *11*   *K3*   *CO4*

OR

b) You are a Data Analyst at Google. Write a formal letter declining an invitation to mentor at a coding bootcamp organized by IIT Delhi.   *11*   *K3*   *CO4*

27. a) Construct a job application letter for a role as a Backend Developer in a startup. Highlight your proficiency in cloud services, Agile methodologies, and your experience working in cross-functional teams remotely.   *11   K3   CO5*

OR

  b) Construct a resume for a Data Engineer with experience in big data tools and cloud technologies. Organize the resume in such a way that technical certifications, internships, and projects are at the forefront.   *11   K3   CO5*

28. a) Write a blog post discussing the future of Remote Work. Explain how technology is changing the way we work from home, focusing on tools that help teams stay connected and productive, like video conferencing and project management apps.   *11   K3   CO6*

OR

  b) Write a blog post about the importance of cyber security for small businesses. Identify common threats like phishing and malware, and share tips on how small businesses can protect themselves with simple tools and practices.   *11   K3   CO6*

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