

Code No: 152AD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech I Year II Semester Examinations, May - 2019

ENGLISH

(Common to CE, ME, ECE, EIE, MCT, MMT, AE, MIE, PTM)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A**(25 Marks)**

- 1.a) Fill in the blanks using correct preposition.

The earliest gunpowder invented _____ man exploded on contact _____ an open flame or a red-hot fire. [2]

- b) Write the synonyms to the given below. [2]

i) Abate ii) Meticulous

- c) Fill in the blanks using correct verbs given in brackets.

When my family and I _____ (go) to our village, I _____ (see) an accident. [2]

- d) Rewrite the sentences given below avoiding the Clichés used. [2]

i) Malpractice during the examinations will not be tolerated in any way, shape or form.

ii) In the present day and age, people are increasingly sharing recipies for healthy food on the internet.

- e) Identify the errors in the given below sentences and correct them. [2]

i) My mother is yet to recover with viral fever even after two weeks.

ii) Joseph is being a lecturer in an engineering college.

- f) Give an account of Raman's discovery during his voyage across the Mediterranean. [3]

- g) What are the major dynasties in South India and name some places known for their cave architecture. [3]

- h) Explain the process and purpose of sanforising? [3]

- i) Are sugary drinks good for health or hazardous? Elaborate. [3]

- j) Discuss in brief the success story Ms Zhou. [3]

PART-B**(50 Marks)**

2. What qualities of Sir C.V. Raman are inspiring and worth emulating? Elucidate. [10]

OR

3. Write an essay on Ethical Use of Digital Technology. [10]

4. How did the Gandhara style emerge? Discuss its characteristics with illustrations. [10]

OR

5. You purchased a mobile phone from an e-commerce website during a discount sale. However, you received a damage phone. Write a letter to the website asking for a replacement or refund. [10]

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6. How were the Blue Jeans invented? Discuss its manufacturing process in detail. [10]

OR

7. Write a descriptive paragraph on the given below topics in about 300 words.

a) Characteristics of a good friend

b) The incident which made me change my views about parents/friends/teachers. [5+5]

8. Write a detail note on the importance of personal hygiene and healthy food habits. [10]

OR

9. What is 'Narrative Essay'? Write a narrative essay on the given below topic. "Your Experience on the Day you Joined B.Tech in your Favourite College". [10]

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- 10.a) Bring out an assessment of Ms-Zhou's personality traits.

b) Read the passage and answer the questions that follow.

If a person suddenly encounters any terrible danger, the change of nature one undergoes is equally great. Sometimes fear numbs our senses. Like animals, one stands still, powerless to move a step in fright or to lift a hand in defense of our lives, and sometimes one is seized with panic, and again, act more like the inferior animals than rational beings. On the other hand, frequently in cases of sudden extreme peril, which cannot be escaped by flight, and must be instantly faced, even the most timid men at once as if by miracle, become possessed of the necessary courage, sharp quick apprehension and swift decision. This is a miracle very common in nature. Man and the inferior animals alike, when confronted with almost certain death gather resolution from despair' but there can really be no trace of so debilitating a feeling in the person fighting, or prepared to fight for dear life. At such times the mind is clearer than it has ever been; the nerves are steel, there is nothing felt but a wonderful strength and daring. Looking back at certain perilous moments in my own life, I remember them with a kind of joy, not that there was any joyful excitement then, but because they broadened my horizon, lifted me for a time above myself.

a) The title that best suits the passage would be:

i) The Will to Fight

ii) The Miracle of Confronting Danger

iii) The Change of Nature

iv) Courage and Panic

b) A man may react to sudden danger in three different ways. What are they?

i) He may flee in panic, or fight back or stand still.

ii) He may be paralyzed with fear, seized with panic or act like an inferior animal.

iii) He may be paralyzed with fear, or seized with panic, or as if by miracle, become possessed of the necessary courage, and face the danger.

iv) He may be paralyzed with fear, run away or fight.

c) What is the meaning of the word debilitating?

i) enfeeble

ii) strengthen

iii) debase

iv) thriving

d) Explain the phrase 'gather resolution from danger'.

i) Find peace in times of difficulty.

ii) A state of utter hopelessness makes one determined to face the difficulty.

iii) To remain calm and not to lose hope.

iv) To be enthusiastic and brave the odds.

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e) The author feels happy in the recollection of dangers faced and overcome because

i) They brought him a new experience.

ii) They added a new perspective and lifted him above himself for a time.

iii) These experiences boosted his confidence.

iv) He felt elated as he was alive.

[5+5]

OR

11. You are the District Education Officer for Hyderabad District in Telangana. You have been directed by the Secretary, Department of School Education (DSE) to study and evaluate the achievement of the objectives of the district's primary education for June 2017 –May 2018. Write an official report with the help of points given below.

- Providing admissions to all children from the age of five.
- Making sure that children do not drop out from school.
- Providing lunch to children under the mid-day meal scheme in primary schools run by the government and aided managements.
- Supplying free textbooks to children of classes 1-5.
- Imparting in-service training to primary teachers.

[10]

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech I Year II Semester Examinations, May - 2019

PROFESSIONAL COMMUNICATION IN ENGLISH

(Common to CE, ME, AE, MIE, PTM)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART- A

(25 Marks)

- 1.a) Provide Prefixes to the following words: [2]
i) Expected ii) Grace
- b) Provide suffixes to the following words: [3]
i) lonely ii) differ iii) develop
- c) Fill in the blanks with homophone of the word given in the bracket: [2]
i) Did the _____ (hair) win the race?
ii) Water is _____ (waste) deep.
- d) Provide synonyms to the following words: [3]
i) meticulous ii) paucity iii) amicable
- e) Provide antonyms to the following words: [2]
i) subside ii) Dormant
- f) Provide correct tense form of the word given in the bracket: [3]
i) I found a student who- (make) mistake.
ii) He doesn't _____ (has) any friends.
iii) He _____ (read) the book very fast.
- g) Fill in the blanks with suitable articles: [2]
i) She is in _____ Army.
ii) She is _____ orphan.
- h) Provide one-word substitutes to the following words: [3]
i) A person with positive outlook on life _____
ii) A person who loves books _____
iii) One who does not believe in the existence of God _____
- i) Provide meaning to the following idioms: [2]
i) Face the music ii) A storm in a tea cup
- j) Provide right question tags to the following words: [3]
i) This is your favorite flower. Isn't this?
ii) He is not a dancer. Isn't it?
iii) He is a good student. Does he?

PART-B

(50 Marks)

2. Give an account of Abdul Kalam's vision of India. [10]
- OR**
3. Explain techniques for effective reading. [10]

4. Give an account of Nadella's contribution to Microsoft Company. [10]

OR

5. Write a paragraph on GST. [10]

6. Explain the concept of 'technology with a human face' and find out how it would tide over the crisis of the super-technology of the rich? [10]

OR

7. Imagine that you have completed M.Tech and write CV with covering letter applying for the post of an Assistant Professor. [10]

8. Bring out the significance of good manners in life according to the writer J.C Hill. [10]

OR

9. Prepare tree diagram on types of tenses with one example each. [10]

10. How does the letter writer critique the education system in India? Does he make a convincing argument? [10]

OR

11. Write a complaint letter to the manager of electronic devices to replace the defective computer that you purchased from his shop. [10]

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech I Year II Semester Examinations, May - 2019

COMPUTER PROGRAMMING IN C

(Common to EEE, ECE, CSE, EIE, IT, ETM)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(25 Marks)

- 1.a) Explain the conversion of Decimal number to Hexadecimal number with an example. [2]
- b) Differentiate between declaration and definition of a variable. [3]
- c) What is a user defined function? [2]
- d) What is the use of type qualifier? [3]
- e) Differentiate between *p++ and p++. [2]
- f) What is a pointer? Explain how the pointer variable declared and initialized. [3]
- g) Explain about the structures containing pointers with an example. [2]
- h) Explain about self-referential structures. [3]
- i) What is the usage of fgetc() and fputc() functions. [2]
- j) List the positioning functions in files. [3]

PART-B

(50 Marks)

- 2.a) Describe different Computing Environments.
 - b) Explain about type conversion mechanism available in C language. [5+5]
- OR**
- 3.a) Write an algorithm to find the factorial of a given number.
 - b) Differentiate between While and Do While with an example. [5+5]
- 4.a) Explain the different types of storage classes with an example.
 - b) Write a program to search the element in the given list by using the binary search. [5+5]

OR

- 5.a) Write a program to sort the elements by using bubble sort.
 - b) What is recursion? Explain the limitations of recursion. [5+5]
- 6.a) Write a program to find the length of the given string.
 - b) Explain the memory allocation functions with an example. [5+5]

OR

- 7.a) Explain the concept of pointers to pointers with an example.
- b) Write a 'C' program to append a string to the end of other string by using string manipulation function. [5+5]

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- 8.a) Explain about the enumerated data types with an example.
b) Explain about bit fields with an example.

[5+5]

OR

- 9.a) Explain how the structure variable passed as a parameter to a function with example.
b) Explain the Command line arguments with an example.

[5+5]

- 10.a) Differentiate between text and binary files with an example.
b) Write a 'C' program to append the contents of one file to another.

[5+5]

OR

- 11.a) Write a 'C' program to count number of words and lines in the given text file.
b) Explain about file i/o operations in 'C'.

[5+5]

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