

Calicut University Institute of Engineering and Technology
Combined First and Second Semester B.Tech Engineering
Model Question Paper Set-2
EN14 109: Humanities and Communication Skills

Duration: 3 hours

Maximum: 100 marks

Part A

Answer any eight questions

1. Discuss the attributes of ethical personality.
2. Discuss the contribution of Arabs to science
3. Explain how notes are developed into text
4. Describe different methods for vocabulary building
5. Write a paragraph on “ Contemporary Diseases”
6. Prepare a conversation between a customer and a salesman
7. Describe the process of group discussion.
8. Elucidate the rights of engineers to society
9. What is communication? Describe participants in a communication process.

(8X5=40)

Part B

1. Write an essay describing part of your town-the railway station
2. What is non-verbal communication and its verbal cues
3. Explain how changes came into being in societies after Industrial Revolution.
4. What is reading? Explain various types of reading?
5. Describe impact of science and technology on modern civilizations
6. Define a report? What are the different types of reports
7. What is communication? Explain the different communication barriers
8. Describe contributions of Egypt and Mesopotamia to science

(15X4=60)

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Answer Key Model Question Paper Set-2
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Part A

Answer any eight questions

1. Discuss the attributes of ethical personality.
Have a clear understanding of professional ethics-communicate reg: ethical issues-recognize ethical issues-personal integrity-respect ideas& people-inspire trust-respond to emotions in a positive manner-identify with people
2. Discuss the contribution of Arabs to science
 - a) Potassium nitrate
 - b) Idea of garden-first =carnation & Tulips
 - c) Like modern cheque system in banking
 - d) Carpets
 - e) Algorithms
 - f) Trigonometry
 - g) Vaccination
 - h) Windmill
 - i) Surgical instruments= forceps, scissors
 - j) Ibn Nafis described the circulation of blood
 - k) Invented anesthetics of opium
 - l) Hollow needles
 - m) Pointed arch, vaulting windows & dome-building techniques
 - n) Some of the mechanical clocks driven by water
 - o) A game form like chess
 - p) Shampoo & soaps
 - q) Perfumes & alcoholic spirits
3. Explain how notes are developed into text
Step 1-step 2- step 3
4. Describe different methods for vocabulary building
 - a) Vocabulary trees
 - b) Antonyms

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- c) Synonyms
- d) one word substitution
- e) phrasal verbs
- f) word roots-suffixes and prefixes
- g) word formation charts
- h) visual dictionaries
- i) collocations

5. Write a paragraph on “ Contemporary Diseases”(general question)

- a) Introduction-
- b) Content
- c) Conclusion

6. Prepare a conversation between a customer and a salesman (general question)

7. Describe the process of group discussion.

A topic is declared beforehand; participants may get 2 to 5 minutes to think-in the usual format, anyone may initiate the discussion but a particular candidate may also be asked to express his view some forward in brief-in the same way, any one of the members may c

8. Elucidate the rights of engineers to society

- a) Collegiality
- b) Loyalty
- c) Respect for Authority
- d) Confidentiality
- e) Conflict of interest
- f) professional rights

9. What is communication? Describe participants in a communication process.

Communicare/communis-we convey our ideas to someone or any group of people-communication process= sender & idea=encoding=transformation=decoding=receiver's feedback- sender=speaker, writer, dancer, gesticulator-receiver=listener, audience, reader, interpreter.

10. What is listening and its different barriers

Voluntary, active participation, a conscious effort to focus on sound and matter, judge-barriers=

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- a. Physical barriers eg: talking in a moving train
- b. Prejudging=shut out information
- c. Careless listening
- d. Talking.

(8X5=40)

Part B

11. Write an essay describing part of your town-the railway station (general question)

Or

12. What is non-verbal communication and its verbal cues

Communication through gestures

- i. Dress and appearance
 - ii. Eye-contact
 - iii. Facial expressions
 - iv. Hand movements
 - v. Posture
 - vi. Distance and angles
 - vii. Voice modulation
 - viii. Pace
 - ix. Pitch
 - x. Tone,
 - xi. Pronunciation
 - xii. Enunciation
13. Explain how changes came into being in societies after Industrial Revolution.
Radical changes in the method of production from cottage- based to factory-based=made possible diversification, specialization, and modernization-knowledge of chemistry-lens making-created engine-destroyed the feudal society-people were questioned traditional values and beliefs-Darwin published *On the Origin of Species*-represented a complete reorganization in production system and society.

Or

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14. What is reading? Explain various types of reading?

Reading is a complex process in which a reader receives inputs through the physical process of reading, followed by decoding and understanding the text, analysis

- a) Skimming
- b) Scanning
- c) Speed reading
- d) Word for word reading
- e) Intensive reading
- f) Extensive reading.

15. Define a report? What are the different types of reports?

- a. Oral reports=face to face communication; simple, quick, first hand information
- b. Written; permanent, accurate, precise, formal, visual aid, complex facts
- c. Short reports = form of letter or memo=day-to-day matters=3 parts; opening, body, ending.
- d. Long reports=describe problem in detail, preparing. deep study=parts;preface,introduction,summary,abstract,description,conclusion,appendices,glossary,index)
- e. Informational reports-can be short or formal= perform the same function as formal reports- transmitting information facts or data to someone for taking decision – quite brief = style of writing is positive, personal and conversational-written in the form of memo reports or letter reports
- f. Formal Reports = is the result of through investigation of a problem or situation=are generally detailed and elaborate =follow a fixed format=length of the report may vary according to the requirement=it include informational, analytical, routine, special, technical, project, research reports, etc.

Or

16. Describe impact of science and technology on modern civilizations.

- a) Industrial Revolution
- b) Development of Nuclear Physics
- c) Space Technology in India
- d) Biotechnology

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e) Information Technology

f) Nanotechnology

17. What is communication? Explain the different communication barriers

Exchanging of ideas- Types—1.Physical Barriers 2. Psychological Barriers, Linguistic Barriers, Cultural Barriers, Perceptual Barriers - 1.Physical Barriers=* Physical obstructions,* walls, * background noise * distance __2. Psychological Barriers==* feelings* emotions= anger, tiredness- Linguistic Barriers== wrong and out of place words*mispronounced words*incorrect grammar*syntax*difference in accent and lack of clarity—3 Cultural Barriers= in-cultural communication; cross cultural group communication-4. Perceptual barriers- perceive things differently- if we lack perspective to see others point of view, we become victims of perceptual barriers.

Or

18. Describe contributions of Egypt and Mesopotamia to science

Egypt- One of the ancient civilizations

- a) Large construction projects: pyramids& palaces
- b) Government-religion
- c) Writing: hieroglyphics
- d) Paper: Papyrus plant
- e) Medicines: honey
- f) Building ships: boats=cedar wood
- g) Good in Mathematics-geometry-numbers: decimal system
- h) Use factors of 10
- i) Makeup
- j) Large door locks
- k) Civil year calendar: heavenly days.

Mesopotamia- many important advances

- a. Number system with the base 60 (minute, seconds)
- b. Knowledge of Mathematics (including addition, subtraction, multiplication, division, quadratic and cubic equations)-formulas for figuring out circumference and area of different geometric shapes like rectangles, circles and triangles)-PI

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- c. Astronomers were able to follow the movements of the stars, planets and moon-predict the movements of several planets
- d. By studying the phases of the moon, the Mesopotamians created the first calendar
- e. Made many technological discoveries
- f. First to use the potter's wheel to make better pottery
- g. Used irrigation to get water to their crops
- h. Used bronze metal to make strong tools weapons
- i. Predicting eclipses. (15x4=60)