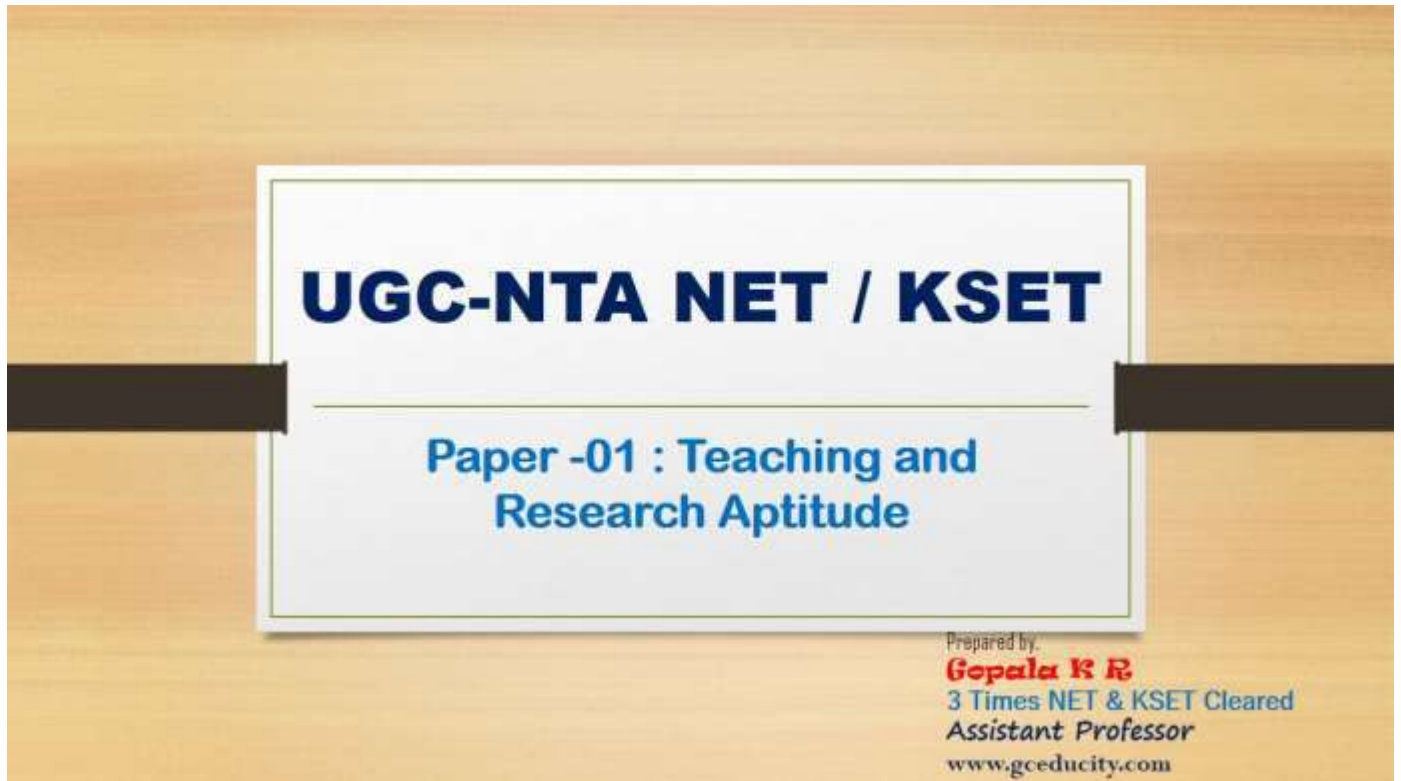


NTA-UGC JRF/NET/KSET

Paper 1: Teaching and Research Aptitude

By
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UNIT IV - COMMUNICATION

- **Communication:** Meaning, types and characteristics of communication.
- **Effective communication:** Verbal and Non-verbal, Inter-Cultural and group communications, Classroom communication.
- **Barriers to effective communication.**
- **Mass-Media and Society.**

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COMMUNICATION

1. Informal communication network within the organization is known as

- A. Interpersonal communication
- B. Intrapersonal Communication
- C. Mass Communication
- D. Grapevine Communication

Communication with self/
Thought processing

Communicating with Others

Sharing to the large
Audience

Informal Way of
communication

Option : D

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COMMUNICATION

2. TV Channel launched for covering only Engineering and Technology subjects is known as

- A. Gyan Darshan Educational & development
- B. Vyas Higher Education Aspects
- C. Eklavya Engineering & Technology
- D. Kisan Agriculture

Option : C

COMMUNICATION

3. In which state the maximum number of periodicals are brought out for public information:

- A. Uttar Pradesh
- B. Tamil Nadu
- C. Kerala
- D. Punjab

Option : C

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COMMUNICATION

4. The main objective of public broadcasting system i.e. Prasar Bharti is

- A. Inform, Entertainment & Education
- B. Entertain, Information & Interaction
- C. Educate, Interact & entertain
- D. Entertainment only

Option : A

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COMMUNICATION

5. The competency of an effective communicator can be judged on the basis of:

- A. Personality of communicator
- B. Experience in the field
- C. Interactivity with target audience
- D. Meeting the needs of target audience.

Option : D

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Unit V - Mathematical Reasoning

- Types of reasoning.
- Number series, Letter series, Codes and Relationships.
- Mathematical Aptitude (Fraction, Time & Distance, Ratio, Proportion and Percentage, Profit and Loss, Interest and Discounting, Averages etc.).

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Unit VI - Logical Reasoning

- Understanding the structure of arguments: argument forms, structure of categorical propositions, Mood and Figure, Formal and Informal fallacies, Uses of language, Connotations and denotations of terms, Classical square of opposition.
- Evaluating and distinguishing deductive and inductive reasoning.
- Analogies.
- Venn diagram: Simple and multiple use for establishing validity of arguments.
- Indian Logic: Means of knowledge.
- Pramanas: Pratyaksha (Perception), Anumana (Inference), Upamana (Comparison), Shabda (Verbal testimony), Arthapatti (Implication) and Anupalabddhi (Non-apprehension).
- Structure and kinds of Anumana (inference), Vyapti (invariable relation), Hetvabhasas (fallacies of inference).

Reasoning

1. What is the next number in the series 4, 6, 10, 18,

- A. 36
- B. 24
- C. 34
- D. 26

$$4, 6, 10, 18, 34$$
$$+2 \quad +4 \quad +8 \quad +16$$

Option : C

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Reasoning

2. What is the next letters in the series MN QR UV

- A. XY
- B. WX
- C. YX
- D. YZ

$$MN \quad QR \quad UV \quad YZ$$
$$+1 \quad +1 \quad +1 \quad +1$$
$$+3 \quad +3 \quad +3$$

Option : D

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Reasoning

3. In a certain code 'MISSIONS' is written as 'MSIISNOS'. How is 'ONLINE' written in that code?

- A. OLNNIE
- B. ONILEN
- C. NOILEN
- D. LNOENI

M S I I S N O S
O L N N I E

Option : A

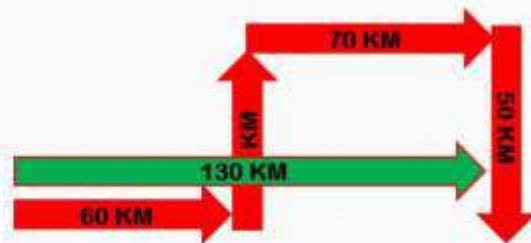
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Reasoning

4. Sandeep walks 60m to the east, then he turns left and walks for 50 m, then turns right and went 70 m and then turns right again and went 50 m. How far was Sandeep from the starting point?

- A. 90
- B. 70
- C. 100
- D. 130

Option : D



Reasoning

5. Which one of the following belongs to the category of homogeneous data:

- A. Multi-storeyed houses in a colony.
- B. Trees in a garden
- C. Vehicular traffic on a highway
- D. Student population in a class.

Option : A

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Reasoning

6. In which of the following ways a theory is not different from a belief?

- A. Antecedent — consequent
- B. Acceptability
- C. Verifiability
- D. Demonstratability

Option : B

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Reasoning

7. The state — "Honesty is the best policy" is

- A. A fact
- B. An value
- C. An opinion
- D. A value judgment

Option : D

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Reasoning

8. Which one is like pillar, pole and standard?

- A. Beam
- B. Plank
- C. Shaft
- D. Timber

Option : A

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Reasoning

9. Bones : Orthopedic :: Skin

- A. Cardiologist — Heart
- B. Dermatologist — Skin
- C. Ophthalmologist — Vision
- D. Oncologist — Cancer

Option : A

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THANK YOU