



## UGC NET DECEMBER 2024

### PAPER -1

#### Comprehension

The following table show the percentage (%) of distribution of both the number of employees and the number of female employees working across six different cities (A-F), along with the percentages of male and female employees who are graduated among them. In all the six cities together, the total number of employees is 8000 and the ratio of male to female is employees is 9:7. Based on the data in the table, answer the questions that follow:

City-Wise Details of Employees				
City	Percentage distribution of		Percentage of	
	Employees	Female Employees	Male Graduate	Female Graduate
A	24%	15%	26%	42%
B	15%	18%	33%	37%
C	20%	16%	41%	38%
D	6%	10%	36%	46%
E	9%	14%	47%	51%
F	26%	27%	48%	56%

1. The number of male employees from city B is \_\_\_\_\_% of the total number of employees from the all six cities together?

1. 5.25
2. 7.125
3. 11.375
4. 13.725

**Ans: 2**

2. What is the difference between the total number of graduate male employees and the total number of graduate female employees taking all the six cities together?

1. 701
2. 702
3. 703
4. 704



**Ans: 4**

**3. What is the ratio of the total number of graduate female employees of city A to the total number of non-graduate female employees from city D?**

1. 7:6
2. 8:7
3. 6:5
4. 5:4

**Ans: 3**

**4. The number of graduated male employees from city D is approximately \_\_\_\_\_% of the number of graduate male employees from city B.**

1. 23.2
2. 24.88
3. 27.28
4. 32.52

**Ans: 2**

**5. The number of male employees from city C is approximately \_\_\_\_\_% more than the number of female employees from city F.**

1. 6
2. 8
3. 10
4. 14

**Ans: 3**

**6. Which of the following is not an example of Application Software?**

1. Compiler
2. Spreadsheet
3. Word Processor
4. Computer-aided design

**Ans: 1**



**7. Identify the sequence of film released (earliest to latest)**

- A. Mother India
- B. Pother Panchali
- C. Mughal E-Azam
- D. New Delhi
- E. Kala Pani

Choose the correct answer from the options given below:

- 1. B, A, D, E, C
- 2. B, D, A, C, E
- 3. A, B, C, D, E
- 4. B, D, A, E, C

**Ans: 4**

**8. Match the LIST-I with LIST-II**

LIST-I (Soil type)	LIST-II (Region)
A. Alluvial soil	I. Western ghat, Kerala
B. Desert soil	II. Runn of Kutch, Gujrat
C. Black soil	III. Indo-Gangetic Plane, Bihar
D. Laterite soil	IV. Krishna Tungabhadra basin of Tamil Nadu

Choose the correct answer from the option given below:

- 1. A-III, B-I, C-IV, D-II
- 2. A-I, B-II, C-III, D-IV
- 3. A-III, B-II, C-IV, D-I
- 4. A-I, B-III, C-II, D-IV

**Ans: 3**

**9. Which of the following illustrates how communication aids in learning and education?**

- A. It encourage critical thinking



- B. It leads to memorization without understanding
- C. It allow exchange of diverse perspective
- D. It limits the spread of information

Choose the correct answer from the options given below:

- 1. A, B & C only
- 2. B & D only
- 3. A & C only
- 4. C & D only

**Ans: 3**

**10. Match the LIST-I with LIST-II**

<b>LIST-I (Square of Opposition)</b>	<b>LIST-II (Result)</b>
A. If 'I' is given as true	I. 'E' & 'I' are undetermined
B. If 'I' is given as false	II. 'E' is false, A is undetermined
C. If 'O' is given as true	III. 'A' is false, 'E' is true
D. If 'O' is given as false	IV. 'E' is false

Choose the correct answer from the option given below:

- 1. A-III, B-IV, C-I, D-II
- 2. A-II, B-III, C-I, D-IV
- 3. A-I, B-IV, C-II, D-III
- 4. A-IV, B-I, C-II, D-III

**Ans: 2**

**11. The Over-Head projector is used for**

- 1. Still pictures
- 2. Motion pictures
- 3. Transparencies
- 4. PPT

**Ans: 3**



**12. In the context of definition, the class whose membership is divided into subclasses is called**

1. Species
2. Set
3. Group
4. Genus

**Ans: 4**

**13. Which among the following is incorrect in the light of Positivist Research Paradigm?**

1. Scientific knowledge is derived from accumulation of data obtained theory-free and value free from observation
2. Scientific method cannot be applied to humanities and social affairs
3. Anything that cannot be observed is of little importance
4. Science is the pursuit of foundational knowledge

**Ans: 2**

**14. Which is the most abundant hydrocarbon in the atmosphere?**

1. Methan
2. Benzene
3. Ethane
4. Paraffin

**Ans: 1**

**15. Arrange the following events related to hazardous materials in order of their occurrence starting from oldest to the most recent?**

1. BAMAKO Convention
2. Waigani Convention
3. Basel Convention
4. London Convention
5. Rotterdam Convention

Choose the correct answer from the options given below:



1. B, D, C, A, E
2. D, C, A, B, E
3. E, B, C, D, A
4. D, C, B, E, A

**Ans: 2**

**16. A man rows in still water at a certain speed  $V$  (km/hour). He takes as much time to cover 2 km distance upstream as he takes time to cover 3 km distance downstream. If the speed of the stream is 2 (km/hour), what is the value of  $V$ ?**

1. 10 km/hour
2. 8 km/hour
3. 6 km/hour
4. 5 km/hour

**Ans: 1**

**17. According to the UGC guidelines on plagiarism, up to what percentage of similarity of text does not invite penalty?**

1. 10%
2. 16%
3. 25%
4. 40%

**Ans: 1**

**18. Arrange chronologically the following:**

- A. Establishment of Delhi University
- B. Establishment of University of Grand University
- C. Establishment of NCERT
- D. Establishment of University of Allahabad
- E. Establishment of IGNOU

Choose the correct answer from the options given below:

1. B, A, D, E, C



2. D, C, E, B, A

3. A, B, D, E, C

4. D, A, B, C, E

**Ans: 4**

**19. Which among the following features applies to descriptive research?**

- A. It may involve the procedure of Induction and analysis
- B. A study that describes and interprets what is/was the case
- C. It can never be normative
- D. It is used only in the quantitative research
- E. Survey studies is one of its types

Choose the correct answer from the options given below:

- 1. B, C & D only
- 2. A, B & E only
- 3. C, D & E only
- 4. B, D & A only

**Ans: 2**

**20. There are  $x$  trees and  $y$  parrots. If on each tree only one parrot is sitting, then one parrot remains without a parrot. Therefore,  $x$  and  $y$  are, respectively.**

- A. 1
- B. 2
- C. 3
- D. 4

Choose the correct answer from the options given below:

- 1. A and B
- 2. B and C
- 3. C and D
- 4. A and C



**Ans: 3**

**21. In certain coding scheme 'CLASS' and 'CABIN' are coded as 'XOZHH' and 'XZYRM', respectively. In this scheme, what will be code of the 'TABLE'?**

1. GYZOV
2. FZYOV
3. HZYPV
4. GZYOV

**Ans: 4**

**22. The largest source of volatile organic compounds (VOCs) on earth is**

1. Animals
2. Plants
3. Industries
4. Transportation

**Ans: 2**

**23. What among the following applies to the 'Ratio-Scale'?**

- A. It is a useful devise in assessing quality and values
- B. It has equal interval properties
- C. It has a true zero
- D. The numerals have the qualities of real numbers and can be added, subtracted etc.
- E. It uses non-parametrical statistical techniques.

Choose the correct answer from the options given below:

1. A, C & D only
2. D & E only
3. A, B & C only
4. B, C & D only

**Ans: 4**





## 24. Match the LIST-I with LIST-II

LIST-I (Internet Keyword)	LIST-II (Result)
A. FTP	I. Used to create hypertext documents for use on the web
B. Ping	II. A message sent to check if a sever is running
C. HTML	III. A set of rules to exchange documents on the web
D. HTTP	IV. Program that enables user to transfer files from one computer to another computer

Choose the correct answer from the option given below:

1. A-I, B-III, C-II, D-IV
2. A-I, B-III, C-IV, D-II
3. A-IV, B-II, C-I, D-III
4. A-II, B-IV, C-I, D-III

**Ans: 3**

## 25. Nalanda university in ancient India was renowned center of \_\_\_\_\_

1. Buddhist Learning
2. Brahminical Learning
3. Kshatriya Learning
4. Jain Learning

**Ans: 1**

## 26. Identify the fallacy in the following:

‘There are just three types of base hits in baseball: a single, a double and a triple. Slugger got a base hit but didn’t get a single or a double. Therefore, slugger must have gotten a triple’.

1. Questionable cause
2. Loaded Question
3. False Alternatives



4. Appeal to ignorance

**Ans: 3**

**27. Choose the correct statements**

- A. This year government of India has spend six percentage of GDP on education
- B. The Govt of Karnataka has a established a different state education policy commission under Sukhdeo Thorat
- C. The NEP 2020 was chaired by a missile scientist-K. Kasturirangan
- D. The NEP 2020 was chaired by an eminent educationist- Krishna Kumar
- E. The NEP 2020 promotes private-philanthropic participation in education

Choose the correct answer from the options given below:

- 1. A, B & D only
- 2. B, C & E only
- 3. A & D only
- 4. B & C only

**Ans: 2**

**28. Match the LIST-I with LIST-II**

<b>LIST-I (Level of Understanding)</b>	<b>LIST-II (Process)</b>
A. Autonomous Level	I. Peer Learning
B. Memory Level	II. Effects & Feelings
C. Reflective Level	III. Recall of facts and information
D. Understanding Level	IV. Seeing of relationship

Choose the correct answer from the option given below:

- 1. A-I, B-III, C-IV, D-II
- 2. A-II, B-III, C-I, D-IV
- 3. A-II, B-III, C-IV, D-I
- 4. A-IV, B-III, C-II, D-I

**Ans: 3**

**29. Find the next term in number series give below:**



1,7,25,61

1. 81
2. 110
3. 121
4. 141

**Ans: 3**

**30. Arrange the following according to Maslow's hierarchical structure of needs.**

- A. Esteem needs
- B. Safety
- C. self-actualization
- D. Aesthetic
- E. Physiological

Choose the correct answer from the options given below:

1. E, B, D, A, C
2. A, C, D, B, E
3. E, B, A, D, C
4. E, D, B, A, C

**Ans: 3**

**31. Who coined the term Artificial intelligence in the year 1956?**

1. John McCarthy
2. John McLuhan
3. Rheingold
4. Curran, J

**Ans: 1**

**32. Which of the following pollutants are most responsible for acid rain formation?**

- A. Carbon dioxide (CO)



- B. Nitrogen oxide (NO<sub>2</sub>)
- C. Ozone (O<sub>3</sub>)
- D. Sulphur dioxide (SO<sub>2</sub>)
- E. Lead (Pb)

Choose the correct answer from the options given below:

- 1. A & B only
- 2. B & D only
- 3. C & E only
- 4. A, B & D only

**Ans: 2**

### 33. Match the LIST-I with LIST-II

LIST-I (Scholars)	LIST-II (Concept/Innovation/Publication)
A. Everett Rogers	I. Original version of dependency and under development theory
B. Paul Baran and Andre Gunder Frank	II. The passing of traditional society
C. Daniel Lerner	III. Mass media and national development
D. Wilbur Schramm	IV. Diffusion of Innovation

Choose the correct answer from the option given below:

- 1. A-I, B-IV, C-II, D-III
- 2. A-IV, B-I, C-III, D-II
- 3. A-I, B-II, C-III, D-IV
- 4. A-IV, B-I, C-II, D-III

**Ans: 4**

34. \_\_\_\_\_ allows a sure to share ideas, activities, events and interests, among the people.

- 1. Adware
- 2. Social networking sites



3. Cookies
4. Open-source software

**Ans: 2**

**35. In the light of 'Sannikarsa of Nyaya, a substance 'pot' is perceived through the contact of the particular sense with the substance is known as.**

1. Samyoga
2. Samvaya
3. Samyukta-Samavaya
4. Samyukta-Samaveta-Samayaya

**Ans: 1**

**36. The Navoday Vidyalayas to school rural poor students were established on the recommendation of \_\_\_\_\_**

1. National Policy on Education – 1986
2. PM-SHRI School
3. National Education Policy 2020
4. Secondary Education Commission 1950

**Ans: 1**

**37. Triangulation is a method of research adopted by---**

1. Qualitative Research
2. Quantitative Research
3. Applied Research
4. Fundamental Research

**Ans: 1**

**38. Choose the correct statements in the context of DBMS.**

- A. DBMS is a software to create and manage datasets.
- B. Database schema is the design of database.
- C. Foreign key in a relation is used for unique identification of tables.
- D. Primary key is used to relate two tables or relations.



E. SQL stands for Structured Query Language.

Choose the correct answer from the options given below:

1. A, B & C only
2. B, C & D only
3. A, B & E only
4. A, C & D only

**Ans: 3**

**39. Match the LIST-I with LIST-II**

<b>LIST-I (Institution/Portal)</b>	<b>LIST-II (Concept/Innovation/Publication)</b>
A. NCTE	I. Assessment and Accreditation
B. NCERT	II. Online Education
C. NAAC	III. Teacher Education
D. SWAYAM	IV. School Text Book

Choose the correct answer from the option given below:

1. A-I, B-II, C-III, D-IV
2. A-II, B-I, C-IV, D-III
3. A-III, B-IV, C-I, D-II
4. A-IV, B-III, C-II, D-I

**Ans: 3**

**40. Which of the following is not an optical storage device?**

1. CD-ROM
2. DVD- ROM
3. RAM
4. CD-R

**Ans: 3**

**41. Arrange the following programming languages according to their generation in ascending order:**

- A. Machine Language



- B. High Level Language
- C. Assembly Language
- D. Very High-Level Language

Choose the correct answer from the options given below:

- 1. D, B, A, C
- 2. B, D, C, A
- 3. A, C, D, B
- 4. C, C, B, D

**Ans: 4**

**42. Arrange the following households (A, B, C & D) in terms of increasing percentage of expenditure (E) to their income (I)-**

- A. I=5.0 Lakh, E=4.0 Lakh
- B. I=6.0 Lakh, E=4.5 Lakh
- C. I=8.0 Lakh, E=5.0 Lakh
- D. I=4.8 Lakh, E=3.2 Lakh

Choose the correct answer from the options given below:

- 1. D, A, B, C
- 2. D, B, C, A
- 3. C, D, B, A
- 4. D, A, C, B

**Ans: 3**

**43. Choose the correct answer in the context of EAO in III<sup>rd</sup> figure**

- 1. Undistributed middle
- 2. Conclusion distributes its subject terms
- 3. Commits the fallacy of exclusive premises
- 4. Commits the existential fallacy

**Ans: 4**



**44. Sampling in which sampling units are selected on the advice of some experts or by the intuition or opinion of the researcher himself is known as-**

1. Judgmental Sampling
2. Snowball sampling
3. Quota sampling
4. Convenience Sampling

**Ans: 1**

**45. Which of the following are not true for learning?**

- A. Learning is a temporary change in behavior
- B. Learning is an enduring permanent change in behavior
- C. Learning is a life long process
- D. Learning happens only until the age of 18 years
- E. Learning needs reconstruction of experiences

Choose the correct answer from the options given below:

1. A, B, C & E only
2. A, D & E only
3. A & D only
4. B, C, D & E only

**Ans: 3**

**Comprehension:**

**Read the passage carefully and answer the question**

No two other poets can be more dissimilar. Ezekiel from India's sophisticated western metropolis; Mahapatra is from an Eastern mofussil town. Ezekiel is a professor of English, with a literary background; Mahapatra is a trained physicist. Ezekiel is a Bene-Israel Jew; Mahapatra is a second-generation Christian. If Ezekiel pioneered post-independence Indian English poetry, Mahapatra gave it a new direction. Ezekiel's poetry is formally mindful, Mahapatra's poetry is written in free-flowing, sense-or idea-governed lines. The former wrote realistic verse; the latter's poetry is suffused with images and symbols. One can go on this vein. No wonder, we notice Mahapatra inveighing





against something in Ezekiel's poetic credo in his prose pieces. Up to eighties Ezekiel was considered the foremost among Indian English poets but more recently he is being seen as highly inconsistent poet.

**46. How is Ezekiel's reputation described as the changing after the 1980s?**

1. He became increasingly popular
2. He was seen as highly inconsistent
3. He was no longer read in literary circles
4. He was considered the most influential poet of his time

**Ans: 2**

**47. Which of the following poet is from a metropolitan area in western India?**

1. Mahapatra
2. Kamala Das
3. Ezekiel
4. R. Parthasarathy

**Ans: 1**

**48. How is Mahapatra's poetry style described in contrast to that of Ezekiel?**

1. Formally structured and realistic
2. Free flowing and governed by sense or idea
3. Written with complex rhyme schemes
4. Lyrical and simple

**Ans: 2**

**49. Which poet can be credited with pioneering-post independence Indian English poetry?**

1. Mahapatra
2. R. Parthasarathy
3. Kamala Das
4. Ezekiel



**Ans: 4**

**50. According to the passage, which of the following statements best describes Mahapatra's view of Ezekiel's poetic approach?**

1. He is inspired by it
2. He is different to it
3. He is opposes it
4. He corroborates it

**Ans: 3**

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