UGC NET Paper 1 – 9 Sept Evening

General Paper (Questions 1–50) – English

1. Read the following passage and answer the questions that follow.

The following table shows the total number of employees working in a Global Firm having a total of 312 offices across 8 countries (A-H), along with the ratio of male (M) and female (F) employees and percentage of Post-Graduate (PG) employees among all the employees in a given country. Based on the data in the table, answer the questions that follow.

Country-wise Employees Details in a Global Firm

Country	Number of Offices	Total Number of Employees	Ratio of Employees M:F	Percentage of PG Employees
A	48	5136	5 : 7	75%
B	36	5760	11 : 5	65%
C	28	4620	10 : 11	40%
D	50	7150	3 : 2	60%
E	26	4108	7 : 6	50%
F	34	5576	20 : 21	75%
G	48	7440	8 : 7	55%
H	42	6720	9 : 5	80%

In the context of Country-H, if the number of male PG employees is 3600, then _____% of female employees are PGs ?

1. 64
2. 74
3. 76
4. 68

2. Read the following passage and answer the questions that follow.

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Percentage of female employees with respect to the total number of employees is more than 40% for exactly _____ countries.

1. 2
2. 3
3. 4
4. 5

3. Read the following passage and answer the questions that follow.

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If M represents the total number of male employees in countries B and H together and N represents the total number of female employees in countries C and D together, then M is approximately _____% more than N.

1. 45.67
2. 51.33
3. 61.42
4. 56.82

4. Read the following passage and answer the questions that follow.

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What is the difference between the average number of PG employees in countries A, B and D together and the average number of PG employees in countries F, G and H together ?

1. 388
2. 488
3. 588
4. 688

5. Read the following passage and answer the questions that follow.

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Which of the following countries has the highest average of the number of employees per office ?
1. C
2. F
3. H
4. B

6. 'PARAKH' as a standard setting body of MoE (Formerly MHRD) guides for :
1. Students assessment and evaluation for all recognized school boards of India.
2. Students assessment and evaluation for all undergraduate colleges.
3. Students assessment and evaluation for all professional and vocational institutions.
4. Students assessment and evaluation for all higher educational institutions.

7. Arrange the following steps in a Herbartian method of teaching in sequence.
A. Generalization
B. Application
C. Preparation
D. Comparison
E. Presentation
Choose the **correct** answer from the options given below :
1. A, B, C, D, E
2. C, E, D, A, B
3. B, C, D, E, A
4. C, D, E, A, B

8. In the context of intelligence, list out the types of reasoning in the given list.
A. Verbal reasoning
B. Communicative reasoning
C. Quantitative reasoning
D. Skill based reasoning
E. Abstract visual reasoning
Choose the **correct** answer from the options given below :
1. B, C and D only
2. A, C and E only
3. A, B and C only
4. C, D and E only

9. Which of the following are correct with reference to the reflective level of teaching ?
A. Most thoughtful
B. Unstructured and open ended
C. Extrinsic and subject centered
D. Intrinsic and learner centered
Choose the **correct** answer from the options given below :
1. A and B only
2. B and C only
3. C and D only
4. A, B and D only

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

LIST-I – (Learning Phases)

A. Acquisition phase

B. Apprehending phase

C. Generalization phase

D. Feedback phase

LIST-II – (Instructional events of Phases)

I. Promoting transfer of learning

II. Stimulating recall

III. Directing attention

IV. Eliciting performance

Choose the ***correct*** answer from the options given below:

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

11. In the context of research, what term refers to the consistency of a measurement, meaning that a number of researchers using the same definition to measure a variable, achieve the same results ?

1. Validity
2. Reliability
3. Objectivity
4. Subjectivity

12. Four sample data sets 1, 2, 3 and 4 representing four different populations are given in A-D below. Compute the variance for each of these four data sets and arrange them in ascending order.

A. Data Set 1 : {2, 4, 6, 8, 10}

B. Data Set 2 : {40, 40, 45, 45, 50, 35}

C. Data Set 3 : {1, 1, 2, 2, 4, 4}

D. Data Set 4 : {10, 15, 20, 25, 30}

Choose the **correct** answer from the options given below :

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

13. Identify the correct order of the standard phases (A-D) in the cyclical model of Action Research.

A. Observe

B. Plan

C. Reflect

D. Act

Choose the **correct** answer from the options given below :

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

14. Which of the following are primary goals of using triangulation in qualitative research study ?
A. To increase the validity and credibility of the findings.
B. To reduce the inherent bias of using a single method or observer.
C. To ensure the research process is completed as quickly as possible.
D. To provide a more comprehensive, multi-dimensional understanding of the phenomenon.
Choose the **correct** answer from the options given below :
1. A, B and C only
2. A, B and D only
3. B, C and D only
4. A, C and D only

15. Match the **LIST-I** with **LIST-II**
LIST-I – (Level of Measurement)
A. Nominal
B. Ordinal
C. Interval
D. Ratio
LIST-II – (Characteristics)
I. Categories with a meaningful order or rank but the distance between ranks is not equal or measurable
II. Categories only; no order
III. Ordered data with equal interval between points, plus a true, absolute zero point, allowing for proportional comparisons
IV. Ordered data with equal intervals between points, but zero is arbitrary (does not mean absence of the trait)
Choose the ***correct*** answer from the options given below:
1. A-III, B-I, C-IV, D-II
2. A-I, B-III, C-II, D-IV
3. A-IV, B-II, C-I, D-III
4. A-II, B-I, C-IV, D-III

16. The audience in mass communication, according to which of the following mass communication experts, is relatively large, heterogeneous and anonymous to the source?
1. Wright
2. Berlo
3. Lasswell
4. D. McQuail

17. In theory of mass communication, _____ counters those who speak of the harmful effects of the mass media by arguing that first and foremost the media serves audiences as play experiences.
Fill in the blank space
1. Maxwell McCombs
2. William Stephenson
3. Donald L. Shaw
4. George Gerbner

18. Arrange the Westley and MacLean's model of communication in correct sequence.
A. f : Feedback
B. B : Audience
C. X : Source of information
D. C : Mass communication organization (gatekeeper)
E. A : Communicator
Choose the **correct** answer from the options given below :
1. A, B, C, D, E
2. E, D, C, B, A
3. D, C, B, A, E
4. C, E, D, B, A

19. Which among the following are known as mass media ?
A. Laptop
B. Radio
C. Tablet
D. Television
E. Cinema
Choose the **correct** answer from the options given below :
1. A and C only
2. A, B and C only
3. B, D and E only
4. A, C and D only

20. Match the **LIST-I** with **LIST-II**
LIST-I – (Elements of Communication)
A. Who
B. Says what
C. To whom
D. With what purpose
LIST-II – (Interpretation)
I. The message
II. The communicator
III. The objective
IV. The audience
Choose the ***correct*** answer from the options given below:
1. A-I, B-II, C-III, D-IV
2. A-IV, B-III, C-II, D-I
3. A-I, B-II, C-IV, D-III
4. A-II, B-I, C-IV, D-III

21. A person (P_1) can do a piece of work in x days and another person (P_2) can do the same piece of work in $3x$ days. To finish the work together they take 15 days. Find the value of x, i.e., the number of days P_1 can do the work.
1. 16
2. 18
3. 20
4. 22

22. Which of the following is/are correct ?
A. 5% of 50% of 500 is 125
B. 89% of 798 + 365 = 1075.22
C. 3.6% of 750 is 37
D. Half of 1% (in decimal) is = 0.005
Choose the **correct** answer from the options given below :
1. A, B and C only
2. B, C and D only
3. C and D only
4. B and D only

23. Arrange the following expressions according to their values in ascending order.
A. $(216)^{1/3}$ - $(1)^{1/3}$
B. $(64)^{1/6}$ - $(8)^{1/2}$
C. $(81)^{1/4}$ - $(25)^{1/2}$
D. $(32)^{1/2}$ - $(36)^{1/2}$
Choose the **correct** answer from the options given below :
1. D, B, C, A
2. A, C, D, B
3. C, B, D, A
4. B, C, D, A

24. In a certain language, if CERTAIN is coded as EGTVCKP, then how SUMMER shall be coded in that language ?
1. UWOPGT
2. VWOOGT
3. UWOOGT
4. TVNNFS

25. Find the number that can replace question mark (?) in the series given below.
3, 4, 8, 17, ?, 58, 94, 143
1. 27
2. 23
3. 33
4. 43

26. "What is not different-from-other-elements has no smell. The earth has smell. Therefore the earth is different-from-other-elements." As per Nyāya school this is an example of which of the following type of inference ?
1. Kevalānvayi
2. Anaikāntika
3. Anvayavyatireki
4. Kevalavyatireki

27. "I believe this is a case where it is important for me to send a signal about what I may do because it is a case where we are dealing with a man's innocence or guilt." Which fallacy is involved in the above statement ?
1. Missing the point
2. The Straw Man
3. False Cause
4. Hasty Generalization

28. Match the **LIST-I** with **LIST-II**
LIST-I – (Description)
A. The fallacy of the unproved middle
B. The fallacy of the non-inferentially contradicted term
C. The reason is counter-balanced by another reason
D. The fallacy of the irregular middle
LIST-II – (Fallacy)
I. Bādhita
II. Sādhyasama
III. Anaikāntik
IV. Satpratipakṣa
Choose the ***correct*** answer from the options given below:
1. A-IV, B-III, C-I, D-II
2. A-III, B-I, C-IV, D-II
3. A-I, B-IV, C-II, D-III
4. A-II, B-I, C-IV, D-III

29. Identify the fallacy in the following argument :
“All dogs are mammals. All cats are mammals. Therefore all cats are dogs”.
1. Four terms
2. Existential fallacy
3. Exclusive premises
4. Undistributed middle

30. Which of the following statements are true ?
A. A valid deductive reasoning constitutes a proof.
B. Any inductive inference is, at best, highly probable.
C. An inductive inference is demonstrative but does not constitute a proof.
D. A valid deductive reasoning constitutes a demonstration.
Choose the **correct** answer from the options given below :
1. A, B and C only
2. A, B and D only
3. B and C only
4. A, C and D only

31. Alan Turing is primarily popular for being the “Father of Computer Science” because he _____.
1. provided the theoretical foundations for how computers work today
2. was a key designer of “Colossus”, the first large-scale electronic computer
3. coined the term “Artificial Intelligence”
4. provided the theoretical foundation for ubiquitous computing

32. Which of the following would create the most stable network with the fastest data transmission ?
1. Use of wireless access point to connect devices
2. Connect devices wirelessly using a mobile phone
3. Use coaxial cables to connect devices in sequence
4. Connect devices to a switch using fiber optic cables

33. Identify the correct order of (A-D) to fill in the missing terms in the paragraph given below.
_____ is the tool used in Windows OS to manage files and folders. A _____ is a virtual container used to organize and store files. The physical components of a computer system are known as _____. The _____ manages all other software and hardware on the computer.
A. OS
B. Folder
C. File Explorer
D. Hardware
Choose the **correct** answer from the options given below :
1. B, C, D, A
2. A, D, B, C
3. D, A, C, B
4. C, B, D, A

34. Which of the following pairs of ICT acronyms and their expansions are correctly matched ?
A. MPEG - Motion Picture Electronic Group
B. BIOS - Basic Input-Output System
C. POP - Post Office Protocol
D. FTP - File Tracking Protocol
Choose the **correct** answer from the options given below :
1. A and D only
2. B, C and D only
3. B and C only
4. A, B and C only

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

LIST-I (Web Browser)

A. Safari

B. Chrome

C. Firefox

D. Edge

LIST-II (Developer)

I. Google

II. Microsoft

III. Apple

IV. Mozilla

Choose the ***correct*** answer from the options given below:

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

36. The Appiko Movement also known as “tree hugging” movement started in which state of India ?

1. Himachal Pradesh
2. Jammu and Kashmir
3. Karnataka
4. Odisha

37. Arrange the following according to the year of their occurrence starting from older to recent.

A. Montreal Protocol

B. Rio Summit

C. International Solar Alliance

D. Environment (Protection) Act

Choose the correct answer from the options given below :

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

38. Millennium Development Goal-3 was aimed at eliminating gender disparity in :

A. Primary school education

B. Secondary school education

C. Tertiary education

D. All public sectors

Choose the **correct** answer from the options given below :

1. A and B only
2. A, B and C only
3. A, B, C, D
4. C and D only

39. Adverse impact of excessive noise on human health may lead to _____.

A. Respiratory disease

B. Hearing impairment

C. Physical and mental fatigue

D. Reduced work efficiency

E. Insomnia

Choose the **correct** answer from the options given below :

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

40. Match the **LIST-I** with **LIST-II**
LIST-I – (Noise Source)
A. Human Breathing
B. Jet engine
C. Whisper
D. Lawn mower
LIST-II – (Typical Level)
I. ~140 dB
II. ~10 dB
III. ~30 dB
IV. ~80 dB
Choose the ***correct*** answer from the options given below:
1. A-II, B-I, C-III, D-IV
2. A-I, B-II, C-IV, D-III
3. A-II, B-I, C-IV, D-III
4. A-I, B-III, C-IV, D-II

41. NEP (2020) has recommended to convert all stand-alone Teacher Education Institutes to:
1. Autonomous Colleges by 2030
2. Multidisciplinary Institutions by 2030
3. Deemed Universities by 2030
4. Departments of Education by 2030

42. The ancient Indian literary work 'Kadambari' by Banabhatta states that a good education means knowledge of :
1. 75 arts
2. 91 arts
3. 84 arts
4. 64 arts

43. Match the **LIST-I** with **LIST-II**
LIST-I – (Founders)
A. Dr. A. Bell
B. Charles Wilkins
C. Jonathan Duncan
D. Anderson and Braidwood
LIST-II – (Education System)
I. Calcutta Madrassa (Bengal)
II. Sanskrit College (Benares)
III. Christian College (Madras)
IV. Madras System (England)
Choose the ***correct*** answer from the options given below:
1. A-I, B-IV, C-II, D-III
2. A-I, B-II, C-III, D-IV
3. A-II, B-III, C-I, D-IV
4. A-IV, B-I, C-II, D-III

44. As per NEP (2020), the National Research Foundation will perform these activities :
A. To recognise outstanding research
B. To seed, grow and facilitate research
C. To organise research course work
D. To train research supervisors
E. To fund peer-reviewed research grant proposals
Choose the correct answer from the options given below :
1. A, B and C Only
2. B, C and D Only
3. A, D and E Only
4. A, B and E Only

45. According to NEP (2020) document, the children can build a positive cultural identity and self-esteem through the development of a strong sense and knowledge of their own _____.
A. cultural history
B. arts
C. languages
D. traditions
Choose the **correct** answer from the options given below :
1. B, C and D Only
2. A, C and D Only
3. A, B, C, D
4. A, B and D Only

46. Read the following passage and then answer the question:

Just as physical and social distance enable speakers of one variety to distinguish themselves from speakers of other varieties, so close contact and frequent communication foster linguistic similarity. As varieties of the same language spoken by people in close social contact tend to become alike, different languages spoken in a community may also tend to merge.

Kupwar is a village in India on the border between two major language families: the Indo-European family (which includes the languages of North India) and the unrelated Dravidian family (the languages of South India). Kupwar's 3,000 inhabitants fall into three groups and regularly use three languages in their daily activities. The Jains speak Kannada (a Dravidian language), the Muslims speak Urdu (an Indo-European language closely related to Hindi), and the Untouchables speak Marathi (the regional Indo-European language surrounding Kupwar and the principal literary language of the area). These groups have lived in the village for centuries, and most men are bilingual or multilingual. Over the course of time, with individual switching back and forth among at least two of these languages, the varieties used in Kupwar have come to be more and more alike. In fact, the grammatical structures of the village varieties are now so similar that a word-for-word translation is possible among the languages because word order and other structural characteristics of the three languages are now virtually identical. This merging is remarkable because the varieties of these languages that are used elsewhere are very different from one another.

Kannada, Urdu and Marathi all over the world are known as languages :
1. that are very different from each other
2. that are very similar to each other
3. that are easy to learn
4. that belong to the same language family

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During their everyday activities, the residents of Kupwar on a regular basis use :
1. All languages
2. three languages
3. two languages
4. one mother tongue

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Linguistic similarity is developed through :
1. reading and writing
2. listening and speaking
3. physical and social distance
4. close contact and frequent communication

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most men are bilingual or multilingual. Over the course of time, with individual switching back and forth among at least two of these languages, the varieties used in Kupwar have come to be more and more alike. In fact, the grammatical structures of the village varieties are now so similar that a word-for-word translation is possible among the languages because word order and other structural characteristics of the three languages are now virtually identical. This merging is remarkable because the varieties of these languages that are used elsewhere are very different from one another.

Which of these people who live in Kupwar are all bilingual or multilingual ?
1. Jains and Muslims
2. All the males
3. Jains, Muslims and untouchables
4. Women and Children

50. Read the following passage and then answer the question:

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Since the word order and some structural characteristics of Kannada, Urdu and Marathi are similar in Kupwar, these languages now have a possibility of :
1. different varieties
2. word-for-word translation
3. writing of poetry
4. writing of autobiographies