UGC NET Paper 1 – 30 June Evening

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

The following table shows the cumulative percentage (%) of the total number of Pen Drives (16 GB and 32 GB) sold and the cumulative number of 16 GB Pen Drives sold by a shopkeeper on four different days from Monday through Thursday. Based on the data in the table, answer the questions that follow.

Day-wise Distribution of Sale of Pen Drives

Day	Cumulative Percentage of Sale of Pen Drives	Cumulative number of Sale of 16 GB Pen Drives
Monday	20%	160
Till Tuesday	60%	400
Till Wednesday	75%	530
Till Thursday	100%	680

Note: Total number of Pen Drives sold in all four days is 1400.

What is the ratio between the number of 16 GB Pen Drives sold on Wednesday and Thursday together and the number of 32 GB Pen Drives sold on Thursday?

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

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

The following table shows the cumulative percentage (%) of the total number of Pen Drives (16 GB and 32 GB) sold and the cumulative number of 16 GB Pen Drives sold by a shopkeeper on four different days from Monday through Thursday. Based on the data in the table, answer the questions that follow.

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Till Thursday	100%	680

Note: Total number of Pen Drives sold in all four days is 1400.

The number of 32 GB Pen Drives sold on Tuesday and Wednesday together is _____ more than the number of 16 GB Pen Drives sold on Tuesday?

1. 160
2. 250
3. 140
4. 210

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

The following table shows the cumulative percentage (%) of the total number of Pen Drives (16 GB and 32 GB) sold and the cumulative number of 16 GB Pen Drives sold by a shopkeeper on four different days from Monday through Thursday. Based on the data in the table, answer the questions that follow.

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Till Thursday	100%	680

Note: Total number of Pen Drives sold in all four days is 1400.

The average number of 32 GB Pen Drives sold on Tuesday, Wednesday and Thursday is _____% more than the number of 16 GB Pen Drives sold on Monday.

1. 15
2. 35
3. 25
4. 20

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

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Note: Total number of Pen Drives sold in all four days is 1400.

The number of 32 GB Pen Drives sold on Monday is _____% of the number of 16 GB Pen Drives sold on Thursday.

1. 80
2. 75
3. 50
4. 45

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

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Day-wise Distribution of Sale of Pen Drives

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Monday	20%	160
Till Tuesday	60%	400
Till Wednesday	75%	530
Till Thursday	100%	680

Note: Total number of Pen Drives sold in all four days is 1400.

If the number of Pen Drives sold on Friday is 20% more than the number of Pen Drives sold on Thursday and the ratio of 16 GB Pen Drives sold on Friday and 32 GB Pen Drives sold on Friday is 7:3, then what is the number of 16 GB Pen Drives sold on Friday?

1. 374
2. 334
3. 260
4. 294

6. Active learning can be promoted by _____
1. Maintaining attention
2. Prompting awareness
3. Helping in theoretical knowledge
4. Asking students to examine the material from alternative points of view

7. Who developed social model of Role playing?
1. Donald Oliver
2. Fannie Shaftel
3. David Johnson
4. John Dewey

8. Arrange the following stages of child development according to Jean Piaget in increasing order.
A. Operational stage
B. Pre operational stage
C. Sensorimotor stage
D. Concrete operational stage
E. Preconceptual thought stage
Choose the **correct** answer from the options given below:
1. E, C, B, A, D
2. C, E, B, D, A
3. C, E, A, B, D
4. E, C, D, A, B

9. The curriculum and pedagogy in school learning should be
A. Holistic
B. Integrated
C. Enjoyable
D. Flexible
E. Engaging
Choose the **correct** answer from the options given below:
1. A, B and D only
2. B, C and E only
3. A, C, D and E only
4. A, B, C, D and E

10. Match the **LIST-I** with **LIST-II**
LIST-I
A. Information Communication Technology (ICT) based teaching
B. CBCS (Choice Based Credit System)
C. CBT (Computer Based Test)
D. SWAYAM
LIST-II
I. Automated and instant evaluation
II. Online education initiative by MHRD
III. Use of digital tools
IV. Flexibility in course selection
Choose the ***correct*** answer from the options given below:
1. A-III, B-IV, C-I, D-II
2. A-I, B-II, C-III, D-IV
3. A-II, B-I, C-IV, D-III
4. A-IV, B-III, C-II, D-I

11. Which of the following is not a method of Scientific Research?
1. Tradition, personal experiences, intuition or authority and all subjective approaches or method
2. Field Study Method
3. Experimental Method
4. Historical Method

12. What is the Descriptive Research?
1. It describes social situations, social events, social systems, social structures etc. The researcher observes/studies and then he describes what he has found.
2. It explains the causes of social phenomena.
3. It studies subject about which either no information or limited information is available.
4. It is based on common sense knowledge based on the accumulated experience and beliefs of people.

13. Number of trials (n) and probability of success (p) for different binomial distributions are given in A-D below. Compute variance of each Binomial distribution and arrange in ascending order.
A. n = 5, p = 0.4
B. n = 6, p = 0.6
C. n = 8, p = 0.3
D. n = 7, p = 0.7
Choose the **correct** answer from the options given below:
1. A, D, B, C
2. C, B, D, A
3. D, B, A, C
4. A, B, D, C

14. Characteristics of Scientific Research are
A. Accuracy
B. Precision
C. Systematization
D. Objectivity
E. Uncontrolled condition
Choose the **correct** answer from the options given below:
1. E only
2. B, C, D and E only
3. A, B, C and D only
4. C, D and E only

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

LIST-I – (Population mean (μ) and $\frac{1}{N}\sum x_i^2$)

A. $\mu = 13, \frac{1}{N}\sum x_i^2 = 178$

B. $\mu = 14, \frac{1}{N}\sum x_i^2 = 212$

C. $\mu = 15, \frac{1}{N}\sum x_i^2 = 229$

D. $\mu = 16, \frac{1}{N}\sum x_i^2 = 281$

LIST-II – (Population Standard Deviation (σ))

I. 2
II. 3
III. 4
IV. 5

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

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

16. What was the name of the first - film made in India?

1. Bhasmasur-Mohini
2. Satyavan-Savitri
3. Raja Harish Chandra
4. Alam Ara

17. What was name of the first ever talkie feature film made in India?

1. Lanka Dahan
2. Kichak Vadham
3. Alam Ara
4. Raja Harish Chandra

18. Arrange the following organizations in chronological order as per their year of establishment (from earliest to the latest)

A. Directorate of Film Festivals
B. National Film Development Corporation
C. Film and TV Institute of India, Pune
D. Films Division
E. Central Board of Film Certification

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

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

19. Which among the following are different types of communication?
A. Interpersonal
B. Mass
C. Intrapersonal
D. Group
E. Travelling
Choose the **correct** answer from the options given below:
1. A and E only
2. B and E only
3. A, B, C and D only
4. C, D and E only

20. Match the **LIST-I** with **LIST-II**
LIST-I – (Communication Type)
A. Intrapersonal Communication
B. Interpersonal Communication
C. Group Communication
D. Mass Communication
LIST-II – (Meaning / Examples)
I. Direct face-to-face communication between two persons
II. Theatre, dance performances, and Rama Lila
III. Books, Press, Cinema, Radio and Television
IV. Contemplation and talking with self
Choose the ***correct*** answer from the options given below:
1. A-III, B-II, C-I, D-IV
2. A-II, B-IV, C-I, D-III
3. A-IV, B-I, C-II, D-III
4. A-III, B-I, C-IV, D-II

21. Find the wrong term in the series given below:
8, 10, 24, 78, 320, 1512, 9672
1. 78
2. 1512
3. 24
4. 9672

22. If in a certain code language ‘CHAIR’ is coded as ‘64732’ and ‘EAT’ is coded as ‘571’, then how ‘CHEATER’ will be coded in that language?
1. 6457521
2. 6457215
3. 6457152
4. 6475152

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

LIST-I

A. $\frac{3}{8}$ is what part of $\frac{1}{12}$?

B. Which number gives the same result when added to $1\frac{1}{2}$ and when multiplied by $1\frac{1}{2}$?

C. $\frac{5}{12}$ of which number is equal to $3\frac{3}{4}$ of 100?

D. By how much does $\frac{6}{7/8}$ exceeds $\frac{6/7}{8}$?

LIST-II

I. $6\frac{3}{4}$

II. 900

III. $\frac{9}{2}$

IV. 3

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

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

24. The difference between simple and compound interest compounded annually on a certain sum of money for 2 years at 4% per annum is ₹ 1. Find the sum:

1. ₹ 676
2. ₹ 850
3. ₹ 1250
4. ₹ 625

25. The percentage profit earned by selling an article for ₹ 1920 is equal to the percentage loss incurred by selling the same article for ₹ 1280. What should be the selling price of the article so as to make a profit of 25%?

1. ₹ 2100
2. ₹ 1950
3. ₹ 1900
4. ₹ 2000

26. Which of the following statements can not both be false, although they can both be true?

A. All ducks are birds.

B. Some ducks are birds.

C. Some ducks are not birds.

D. No ducks are birds.

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

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

27. If the statement “some animals are birds” is given as true, which of the following statements can be inferred to be false?
A. Some animals are not birds.
B. No animals are birds.
C. All animals are birds.
D. No birds are animals.
Choose the **correct** answer from the options given below:
1. A and D only
2. B only
3. A, B, C and D
4. A, B and D only

28. “Mister X rightly deserves to be called as a big poet because he comes from a big country.” Which logical fallacy is committed in the above statement?
1. Slippery Slope
2. Hasty Generalization
3. Fallacy of Division
4. Begging the Question

29. Arrange the following terms in order of decreasing denotation.
A. Natural Science
B. Chemistry
C. Science
D. Organic Chemistry
Choose the **correct** answer from the options given below:
1. C, A, B, D
2. A, C, B, D
3. B, D, A, C
4. D, B, A, C

30. According to the Classical Indian School of Logic, which of the following instruments is based on the relation of invariable concomitance between two events or objects?
1. Pratyakṣa (Perception)
2. Anumāna (Inference)
3. Upamāna (Analogy)
4. Śabda (Verbal testimony)

31. Firmware is a _____.
1. Software
2. Hardware
3. Combination of hardware and software
4. Compiler

32. Alternate name of Ethernet card is _____.
1. Network connector
2. Modem
3. Network Interface Card
4. Internet Card

33. Which of the following is correct sequence of evolution of technologies used in computer generations?
A. Transistor
B. Vacuum Tube
C. Very large scale integrated circuit
D. Ultra large scale integrated circuit
E. Integrated circuit
Choose the **correct** answer from the options given below:
1. A, B, C, D, E
2. B, A, E, D, C
3. B, A, E, C, D
4. A, C, D, E, B

34. Which of the following statements are correct?
A. Snooping means secretly listening to a conversation
B. Worm is a firewall
C. Keylogger is a network security system
D. HTTP is a type of cookies
E. Cookies are used to store browsing information
Choose the **correct** answer from the options given below:
1. A, B and C only
2. A, C and E only
3. B, D and E only
4. A and E only

35. Match the **LIST-I** with **LIST-II**
LIST-I – (Computer Generation)
A. 1 G
B. 2 G
C. 3 G
D. 4 G
LIST-II – (Service)
I. Interactive Multimedia
II. Digital voice and data services
III. Voice call transmitted in digital form
IV. Voice call transmitted in analog form
Choose the ***correct*** answer from the options given below:
1. A-I, B-IV, C-III, D-II
2. A-II, B-III, C-IV, D-I
3. A-IV, B-III, C-II, D-I
4. A-IV, B-I, C-II, D-III

36. Which of the following are true about Thermal Pollution?
A. It is a kind of water pollution.
B. This can be caused from thermal power plants.
C. It can severely affect the aquatic life.
D. It increases the Dissolved Oxygen (DO) of water body.
Choose the **correct** answer from the options given below:
1. A, B, C and D
2. B, C and D only
3. A, B and C only
4. A and D only

37. Blue baby syndrome, a water borne disease in human infants, is known as
1. Oxyhemoglobinemia
2. Memoglobinemia
3. Metaglobinemia
4. Methemoglobinemia

38. What was the concentration (Atmospheric level) of carbon dioxide (CO_2) just before the industrial revolution?
1. 250 ppmv
2. 280 ppmv
3. 300 ppmv
4. 320 ppmv

39. Which of the following is a biochemical treatment process in the context of waste water?
1. Activated Sludge
2. Sedimentation
3. Filtration
4. Grit Chamber

40. Which of the following are true about Modified Mercalli Scale (MMS)?
A. It measures the impact upon people.
B. It is also known as hazard manager's scale.
C. Scale size in MMS is much smaller than Richter Scale.
D. Uses linear scale for the measurement.
Choose the **correct** answer from the options given below:
1. A, B and C only
2. B, C and D only
3. A, B and D only
4. A, C and D only

41. In Ancient India, the head of the family was called _____.
1. Pitamah
2. Rishi
3. Guru
4. Diksha Guru

42. Senior citizens who continue learning will _____.
1. Never suffer from Alzheimer and senile dementia.
2. Suffer from Alzheimer and senile dementia like all old persons.
3. Reduce chances of suffering from Alzheimer and senile dementia.
4. Suffer from disabilities other than Alzheimer's and senile dementia.

43. Arrange these Education Ministers in chronological order.
A. Shrimati Smriti Irani
B. Shri Prakash Javadekar
C. Mr. Dharmendra Pradhan
D. Shri Ramesh Pokhriyal
E. Shri M.M. Pallam Raju
Choose the **correct** answer from the options given below:
1. D, B, A, E and C
2. E, A, B, D and C
3. A, B, C, D and E
4. B, A, C, D and E

44. Which of the following is an ancient treatise on Mathematics?
1. Sāṁkhya Kaumudi
2. Sāṁkhya Karika
3. Arthasaṁgrah
4. Lilavati

45. Match the **LIST-I** with **LIST-II**
LIST-I – (Schemes)
A. Skill India Mission
B. Pradhan Mantri Kaushal Vikas Yojana (PMKVY)
C. Skill Hub
D. Micro-Credentials
LIST-II – (Description)
I. Nodal Skill Centres
II. Skill based Courses and Training Programme
III. Skill Ecosystem
IV. Skill Development and Vocational Training opportunities
Choose the ***correct*** answer from the options given below:
1. A-II, B-IV, C-I, D-III
2. A-I, B-IV, C-II, D-III
3. A-III, B-IV, C-II, D-I
4. A-III, B-IV, C-I, D-II

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

Linguistic diversity divides a nation in terms of regional languages. After independence, state organization was undertaken on the basis of languages. Hindi is not acceptable to southern states. English finds no mention in the VIII Schedule of our Constitution. Yet it is a pity that it has taken the role of our national language. For genuine national integration, the fruit of economic development should be shared by each and every section of the society. Otherwise, the have-nots never think in terms of national unity. Tension and sense of injustice among people is bound to hinder the progress of national integration. Economic development and removal of economic disparities play a vital role in the interest of national integration. Therefore, economic integration will certainly lead to national integration. There must be psychological, emotional, cultural and economic integration among the masses. This implies that people must change their loyalties from petty issues to the nation as a whole. Who lives if India dies?

On what basis does linguistic diversity divide a nation?
1. In terms of vernacular language
2. In terms of rural language
3. In terms of dialects spoken across the country
4. In terms of regional languages

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Which of the following languages is not mentioned in the VIII Schedule of the constitution?
1. Tamil
2. English
3. Maithili
4. Malayalam

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Which of the following is harmful for National Integration?
1. Regional diversity
2. Linguistic diversity
3. Lack of employment
4. Feeling of injustice

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_____ integration is required for promoting National Integration.
1. Spiritual
2. Sociological
3. Cultural
4. Political

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

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What hinders for the progress of National Integration the most?
1. Misuse of regional resources
2. Economic disparities
3. Improvement in the GDP
4. Affirmative action