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UGC NET Exam

Paper-I

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Q 1. Consider the following table which contents number of Corona test conducted in each Hospital within bracket and number of positive cases in a city on a particular day. Based on the data in the table, answer question.

Hospital/City	Hospital A (100)	Hospital B (50)	Hospital C (100)	Hospital D (50)
City 1	30	15	35	10
City 2	35	10	30	10
City 3	15	5	15	5
City 4	10	5	5	15

Table Shows About Corona Test Conducted in Hospitals

Which city reported highest number of positive cases?

1. City 2
- 2. City 1**
3. City 4
4. City 3

Q 2. What is the percentage of positive cases in City 4?

- 1.16
- 2.13
- 3.14**
- 4.15

Q 3. What is the percentage of negative cases?

1.16. 90

2.16. 10

3.15. 66

4.16. 67

Q 4 Which hospital reported maximum number of positive cases?

1. Hospital A

2. Hospital D

3. Hospital B

4. Hospital C

Q. 5 What is the ratio of positive cases in City 1 and City 3?

1.9: 4

2.6: 5

3.9: 5

4.11: 4

Q. 6 Match List I with List II:

List – I (E-Waste Components)	List – II (Their uses)
(A) Mercury	(I) Printed Circuit Board
(B) Poly Chlorinated Biphenyls (PCB)	(II) Insulation
(C) Brominated Flame Retardants	(III) Flat Screen monitors
(D) Poly Vinyl Chloride (PVC)	(IV) Capacitors and Transformers

Table Shows E-Waste Components with Their Uses

Choose the correct answer from the options given below:

1. (A) (I) , (B) (III) , (C) (IV) , (D) (II)

2. (A) (I) , (B) (II) , (C) (III) , (D) (IV)

3. (A) (III) , (B) (IV) , (C) (II) , (D) (I)

4. (A) (III) , (B) (IV) , (C) (I) , (D) (II)

Q. 7 CAE stands for:

1. Calculation Arithmetic Equation

2. Calculation Aided Estimate

3. Computer-Aided Engineering

4. Critical Assessment for Energy

Q. 8 The dimensions of classroom communication are:

(A) Level of obscurity

(B) Level of Observation

(C) Level of intrusion

(D) Intentionality

(E) Normative judgement

Choose the correct answer from the options given below:

(1) (A) , (B) , (C) only

(2) (B) , (C) , (D) only

(3) (C) , (D) , (E) only

(4) (B) , (D) , (E) only

Q. 9 Given below are two statements: One is labelled as Assertion (A) and the other is labelled as Reason (R) :

Assertion (A) : Research in the field of science require more fund than that in the field of Social Sciences and Humanities.

Reasons (R) : Only in economically rich countries research in Sciences of high quality is possible.

In the light of the above statements, choose the most appropriate answer from the options given below:

1. Both (A) and (R) are correct and (R) is the correct explanation of (A)

2. Both (A) and (R) are correct but (R) are is not the correct explanation of (A)

3. (A) is correct but (R) is not correct

4. (A) is not correct but (R) is correct

Q. 10 Which of the following are not the characteristics of adult learners?

(A) They are matured learners

(B) They can act rationally

(C) They search for a reasonably stable identity

(D) They can make balanced choice

(E) Often question contemporary values

Choose the most appropriate answer from the options given below:

1. (A) and (B) only

2. (A) and (D) only

3. (C) and (E) only

4. (C) and (D) only

Q. 11 Given below are two statements:

Statement I: Aquatic weeds are fast growing weeds which can attain very high productivities when cultivated on nutrient rich waste water such as domestic sewage.

Statement II: Water hyacinth, salvinia and duck weed are some examples of Aquatic weeds.

In the light of the above statements, choose the correct answer from the options given below:

1. Both Statement I and Statement II are true

2. Both Statement I and Statement II are false

3. Statement I is true but Statement II is false

4. Statement I is false but Statement II is true

Q. 12 Match List I with List II in order to make correct sentences.

List - I	List - II
(A) Fraction equivalent of 128.57 % is (nearest)	(I) $\frac{9}{7}$
(B) If the numerator of a fraction is increased by 20 % and its denominator is decreased by 10 % , the fraction becomes $\frac{16}{21}$, The original fraction is	(II) $\frac{8}{7}$
(C) $1\frac{1}{7}$ is equal to	(III) $\frac{10}{7}$
(D) $\frac{2}{7} + \frac{64}{56}$ is equal to	(IV) $\frac{4}{7}$

Choose the correct answer from options given below:

1. (A) (IV) , (B) (I) , (C) (II) , (D) (III)
2. (A) (IV) , (B) (III) , (C) (II) , (D) (I)
3. (A) (III) , (B) (II) , (C) (IV) , (D) (I)
4. **(A) (I) , (B) (IV) , (C) (II) , (D) (III)**

Q 13: Given below two statements:

Statement I: Database refers to a collection of logically related data.

Statement II: The purpose of assembly language is to bring man computer together.

In the light of the above statements, choose the correct answers from the options given below:

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. **Statement I is true but Statement II is false**
4. Statement I is false but Statement II is true

Q. 14. What is the rate of simple interest in a bank if the principal amount of rupees 5000.00 becomes rupees 10000.00 in 8 years?

1. **12.5 %**
2. 20 %
3. 15 %
4. 10 %

Q. 15. Gopal can do a piece of work in 3 days while Ravi can do the same work in 4 days. The wage for the full work is rupees 3500. If they both work together to complete the work then find the earnings of Ravi?

1. 1300
2. **1500**
3. 1600
4. 1650

Q. 16. The probability of not accepting the null hypothesis when the alternative hypothesis is acceptable is called:

1. Rejection range
2. Demarcation
3. Normative incidence

4. Powe

Q. 17. Which of the following are true about International Solar Alliance (ISA) ?

- (A) Its Headquarter is in Washington DC
- (B) It is a joint initiative of France and India
- (C) Most of the participating countries are in Southern hemisphere
- (D) There are 121 signatory countries
- (E) Mostly sunshine countries are participants in this

Choose the correct answers from the options given below:

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

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Q. 18. A series of terms would be in the order of increasing intention:

- (A) When each term in the series (except the first) connotes more attributes than the ones preceding it.
- (B) When each term in the series (except the first) is more specific than the one preceding it.
- (C) When each term in the series (except the first) connotes less attributes than the one preceding it.
- (D) When each term in the series (except the first) is less specific than the one preceding it.

Choose the correct answer from the options given below:

- 1. (C) and (D) only
- 2. (C) only
- 3. (A) and (B) only**
- 4. (D) only

Q. 19. The type of evaluation which gives feedback to students as well as teachers is:

- 1. Placement evaluation
- 2. Formative evaluation**
- 3. Summative evaluation
- 4. Diagnostic evaluation

Q. 20. Which among the following adversely affect the inclusive character of the Institutions of Higher Education?

- 1. To promote quality of education
- 2. To select very com

3. To use uniform criterion to select the institutions so that charges of partiality can be avoided

4. To provide fund for doing quality research

Q. 21 Given below are two statements:

Statement I: Hardware represents the physical and tangible parts of the computer.

Statement II: Operating system is tailor-made software according to users' requirements.

In the light of the above statements, choose the correct answer from the options given below:

1. Both Statement I and Statement II are true

2. Both Statement I and Statement II are false

3. Statement I is true but Statement II is false

4. Statement I is false but Statement II is true

Q. 22 Match List I with List II:

List I (Organisations)	List II (Disciplinary Domain)
(A) CSSR	(I) Philosophy
(B) DST	(II) Social Sciences
(C) ICMR	(III) Sciences
(D) ICPR	(IV) Medicine

Table Shows About Organisations with Their Disciplinary Domain

Choose the correct answer from the options given below:

1. (A) (IV) , (B) (II) , (C) (I) , (D) (III)

2. (A) (I) , (B) (IV) , (C) (III) , (D) (II)

3. (A) (III) , (B) (I) , (C) (II) , (D) (IV)

4. (A) (II) , (B) (III) , (C) (IV) , (D) (I)

Q. 23 Given below are two statements:

Statement I: Purpose of doing research is to take fundamental contribution in knowledge.

Statement II: Indian Higher Education Institutions are making fundamental contributions in very large area of knowledge by publishing a number of research articles.

In the light of the above statements, choose the most appropriate answer from the options given below:

1. Both statement I and Statement II are correct
- 2. Both statement I and Statement II are incorrect**
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Q. 24 Given below are two statements:

Statement I: Communication is viewed as one of the social factors that influence the society including educational institutions.

Statement II: Communication does not help develop, maintain, and change cultural settings of any society for that matter.

In the light of the above statements, choose the most appropriate answer from the options given below:

1. Both statement I and Statement II are correct
2. Both statement I and Statement II are incorrect
- 3. Statement I is correct but Statement II is incorrect**
4. Statement I is incorrect but Statement II is correct

Q. 25. "Of course, you want to buy a Golden pear brand phone. Golden pear phones look good in one's hand and all the Bollywood stars can be seen carrying them these days."

Which fallacy is committed in the above argument?

1. Red herring
2. Fallacy of accident
3. Appeal to force
- 4. Appeal to people (Argumentum ad Populam)**

Q. 26 'The great Cricketer Sudhir says that Medisuipha soaps are good for health. We therefore must believe that it must be true indeed.'

Which fallacy is committed in the above argument?

1. Strawman
- 2. Appeal to unqualified authority**
3. Appeal to ignorance
4. Slippery Slope

Q. 27. Match List I with List II:

List I (Types of Speech)	List II (Objective)
(A) After dinner speech	(I) To motivate or persuade
(B) Academic speech	(II) To impress
(C) Marketing speech	(III) To amuse not necessarily informative
(D) Political speech	(IV) To inform

Table Shows Types of Speech with Their Objective

Choose the correct answer from the options given below:

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

Q. 28. Given below are two statements:

Statement I: Vyapti (relation of Universal concomitance) expresses the relation between two individual objects only.

Statement II: Vyapti expresses the relation between the classes of individuals.

In the light of the above statements, choose the most appropriate answer from the options given below:

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. **Statement I is correct but Statement II is incorrect**
4. Statement I is incorrect but Statement II is correct

Q. 29. The level of teaching which demands the use of higher order thinking skills is:

1. Memory level teaching
2. Understanding level teaching
3. **Reflective level teaching**
4. Creativity level teaching

Q. 30. By what name this validity is known for where an assessment of the measurement validity of a measure

cept that has been

generated from a different method?

1. Predictive validity
2. Construct validity
3. Concurrent validity

4. Convergent validity

Q. 31. A student greets his teacher with 'Good Morning' . Here the channel of communication is:

1. The effect
2. The source

3. The speech

4. The intent

Q. 32. Given below are two statements:

Statement I: A Systematic review can be described as a 'replicable and scientific' process.

Statement II: A transparent review may help us in minimizing personal and other biases.

In the light of the above statements, choose the correct answer from the options given below:

- 1. Both Statement I and Statement II are true**
2. Both Statement I and Statement II are false
3. Statement I is true but Statement II is false
4. Statement I is false but Statement II are true

Q. 33. Match List I with List II:

List I (Variables)	List II (Characteristics Features)
(A) Independent	(I) Can be used to divide subjects into specific categories
(B) Dependent	(II) Cannot be divided into subparts
(C) Control	(III) Represents the cause
(D) Discrete	(IV) The variable that is affected

Table Shows About Characteristics Features of Variables

Choose the correct answer from the options given below:

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

Q. 34. Given below are two statements:

Statement I: In Nyaya philosophy, subject matter of logic is mainly thought and its verbal formulation is only a matter of contingency.

Statement II: Verbal formulation of an argument in Nyaya tradition is only for leading the other to the conclusion in question.

In the light of the above statements, choose the most appropriate answer from the options given below:

- 1. Both statement I and Statement II are correct**
2. Both statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Q. 35. Given below are two statements:

Statement I: The four quadrants of SWAYAM are (1) Video lecture (2) specially prepared reading materials that can be downloaded (3) online discussion forum for clarifying doubts (4) time to time assessment by experts.

Statement II: Swayam Prabha is a group of 34 DTH channels denoted to telecast high quality educational programmes on 24×7 basis.

In the light of the above statements, choose the correct answer from the options given below:

1. Both statement I and Statement II are true
2. Both statement I and Statement II are false
3. Statement I is true but Statement II is false

4. Statement I is false but Statement II is true

Q. 36. India's share of nuclear energy in the electricity generation is approximately

- 1.0. 3 %
- 2.3 %**
- 3.10 %
- 4.15 %

Q. 37. The sequence of stages of active listening is:

- (A) Understanding
- (B) Remembering
- (C) Responding

(D) Receiving

(E) Evaluating

Choose the correct answer from the options given below:

1. (A) , (B) , (C) , (E) , (D)

2. (C) , (A) , (D) , (B) , (E)

3. **(D) , (A) , (E) , (B) , (C)**

4. (B) , (C) , (E) , (D) , (A)

Q. 38. What is the purpose of Block Chain?

1. To block the network

2. To block the data

3. **To secure the data**

4. To interlink the data

Q. 39. Match List I with List II

List I (Hazardous Substance)	List II (Major Source)
(A) Lead	(I) Electrical insulation
(B) PCB (Polychlorinated biphenyls)	(II) Plastics industrial uses
(C) Benzene	(III) Paint
(D) Vinyl Chloride	(IV) Gasoline

Table Shows About Hazardous Substance with Major Source

Choose the correct answer from the options given below:

1. (A-I) , (B-II) , (C-III) , (D-IV)

2. (A-II) , (B-III) , (C-IV) , (D-I)

3. (A-III) , (B-I) , (C-II) , (D-IV)

4. **(A-III) , (B-I) , (C-IV) , (D-II)**

Q. 40. The least number of five digits which is exactly divisible by 12,15 and 18 is:

1.10020

2.10050

3.10060

4.10080

Q. 41. Kritika is making her science project presentation on 'Fraction' using a presentation software. She wants to add the phrase 'Presentation on Fraction' at the bottom of each page. Which option should she use?

1. Project
2. Bullets
3. Header

4. Footer

Q. 42. Match List I with List II:

List I (Factors influencing learning)	List II (Illustration)
(A) Psychological	(I) Methods of teaching
(B) Socio-Cultural	(II) Faculty relationship
(C) Institution	(III) Intelligence
(D) Teaching Learning	(IV) Family

Table Shows About Factors Influencing Learning

Choose the correct answer from the options given below:

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

Q. 43. Given below are two statements:

Statement I: Equilateral triangles and squares examples of regular polygons.

Statement II: In isosceles triangles, the angles opposite to equal sides are equal.

In the light of the above statements, choose the most appropriate answer from the options given below:

1. Both statement I and statement II are correct
2. Both statement I and statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Q. 44 Which of the following are sources of verbal data?

- (A) Traffic signals
- (B) Semi-structured interviews
- (C) Narrative interviews
- (D) Focus groups
- (E) Body language

Choose the correct answer from the options given below:

1. (A) , (B) , (C) only
- 2. (B) , (C) , (D) only**
3. (C) , (D) , (E) only
4. (A) , (D) , (E) only

Q. 45. Which among the following factors promote the quality of education?

- (A) Organizing conference, symposia
- (B) Encouraging collaboration of research with the leading universities of the World
- (C) By privatizing the universities
- (D) By creating a system of strong punishment for those faculty who do not do research
- (E) Providing e-resources to the faculty and students

Choose the correct answer from the options given below:

- 1. (A) , (B) , (E) only**
2. (A) , (B) , (C) only
3. (B) , (C) , (E) only
4. (C) , (D) , (E) only

Read the following passage carefully and answer questions.

Let us look at what you can do to eliminate a destructive habit, whether it is obesity, habitually being late, profanity, smoking, having a short temper or alcoholism. The first and foremost things you must do is to decide that you want to eliminate the habit. That is a decision you and only you can make. Without this motivation on your part, no person or procedure will have any significant impact. If someone else 'talks you into it' the chances are strong you will perhaps start but the effort will be short lived. Remember, you generally don't reach someone else's goal. Many times, you end up further behind than you would have been had you not attempt to quit a habit which you were not ready to give up. For example, weight lost and regained. So, first and most importantly, decide you no longer are going to be a slave to any destructive habit. Decide you want to have control to your life, that you want to be free, that you want to do things with your life instead of having things done to your life. It is tougher, much tougher to quite a bad habit, but fortunately the results are fun and much more rewarding. Former smokers, alcoholics, and fat-folks unanimously- and in glowing terms- give us exhaustive details concerning the joy and excitement of shedding those pounds, giving up the need, and getting of the bottle. The ex-smoker talks about the exciting taste of the food-the clean smell of the air, clothes, furniture, among others. The talk about the new found self-respect and satisfaction from whipping a habit that would have taken from two to ten years of their lives, and a lot of living out of their lives.

Q. 46. The elimination of destructive habits depends upon:

1. External persuasion
2. Social acceptance
3. Impersonal reasons
- 4. Self-resolve**

Q. 47. The passage i

1. Unacceptability of destructive habits

2. Benefits of giving up destructive habits

3. Moral values

4. Prevalence of bad habits in the society

Q. 48. A person who decides to leave a bad habit is (a) :

1. Successful person

2. Susceptible to pressure from others

3. Role model for others

4. In control of his own life

Q. 49. Fending off bad habits will earn a person:

(A) Self-respect

(B) Better friends in the society

(C) Satisfaction in life

(D) New opportunities

Choose the correct option:

1. (A) and (C) only

2. (B) and (C) only

3. (C) and (D) only

4. (A) and (D) only

Q. 50. The impact of someone else motivating a person to move away from a bad habit is:

1. Everlasting

2. None

3. Transient

4. Significant



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