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UGC NET Exam

Paper I

Simplifying
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1. Student-Centric Classroom is meant for:
 - (1) Addressing the individual differences
 - (2) Reducing teacher-oriented lectures
 - (3) Recalling the previous knowledge
 - (4) Engaging the entire class
 - A. 1
 - B. 2
 - C. 3
 - D. 4

2. Snowball sampling is the process of selecting a sample using:
 - (1) Networks
 - (2) Groups
 - (3) Snowballs
 - (4) Computer Programs
 - A. 1
 - B. 2
 - C. 3
 - D. 4

3. A teacher intends to find out the learning difficulties of students. Which of the following tests can be used?
 - (1) Summative Test
 - (2) Formative Test
 - (3) Performance Test
 - (4) Diagnostic Test
 - A. 1
 - B. 2
 - C. 3
 - D. 4

4. A tentative proposition with unknown validity that specifies a relationship between two or more variables is called:
 - (1) research problem
 - (2) research proposal
 - (3) research design
 - (4) research hypothesis
 - A. 1
 - B. 2
 - C. 3
 - D. 4

5. What is the main objective of formative evaluation?
 - (1) To promote students to the next class
 - (2) To enhance students' learning
 - (3) To enhance co-operation in class
 - (4) To understand the learning difficulties

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

6. Below are given two columns. Column-A presents the methods of teaching and Column-B presents the focus of a method. Match the two Columns.

Column-A (Methods of Teaching)	Column-B (Focus of Method)
(a) Collaborative Method	(i) when expertise of teachers is used in teaching
(b) Co-operative Method	(ii) when emphasis is given on students as creator of knowledge
(c) Constructivist Method	(iii) when students share different aspects of a learning activity
(d) Team teaching	(iv) when students help each other to learn

Select your answer from the options given below:

- (a) (b) (c) (d)
- (1) (i) (ii) (iii) (iv)
- (2) (iii) (iv) (ii) (i)
- (3) (iv) (iii) (ii) (i)
- (4) (ii) (iv) (iii) (i)

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

7. The following teaching aids can be used by a teacher in the classroom as a live interactive device:

- (a) E-mail
- (b) Skype
- (c) On-line Chat
- (d) Tele-conferencing
- (e) Face-book
- (f) Blog

Select your answer from the options given below:

- (1) (a), (b) and (c)
- (2) (b), (c) and (d)
- (3) (c), (e) and (f)
- (4) (a), (b) and (d)

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

8. In which of the following research paradigms the focus of concern is on interpreting reality in terms of participants perspective?
- (1) Experimental Research
 - (2) Ex-post facto Research
 - (3) Ethnographic Research
 - (4) Survey Research
- A. 1
B. 2
C. 3
D. 4
9. Research design that needs to collect factual information on a continuing basis is classified:
- (1) Longitudinal Study Design
 - (2) Pre and Post Study Design
 - (3) Cross-Sectional Study Design
 - (4) Double-Control Study Design
- A. 1
B. 2
C. 3
D. 4
10. ERIC, MEDLINE and ABI/INFORM are instances of:
- (1) Citation services
 - (2) Electronic databases
 - (3) Printed databases
 - (4) Libraries
- A. 1
B. 2
C. 3
D. 4

Q. (11-15): Read the following passage and answer the questions.

An important difference between human beings and animals is the property of language. Animals have a rudimentary information process but this process does not have the sophistication and complexity of human language. If two dogs communicate, they pass on information but they can't discuss details the way humans can. While humans are blessed to possess the language faculty, most of the time they don't utilize it to its greatest potential. Perhaps this is because human beings tend to react rather than respond. And a lot of the message of languages is lost in this reaction.

In the daily use of language, people forget the complex process involved in order to put even one word in place. The wonder of this process lies in the fact that it is involuntary in nature, the whole set of chain processes right from the command in the brain to the forming of words from the message required to the movement of the vocal chords and corresponding movements in the lungs and mouth takes place within seconds. Perhaps the whole suggestion of 'think before you speak' may lead to a silent world!

In the world of daily interaction, language becomes a marker and a means of projecting identity. The people around us identify us with a certain style of using language and unknowingly, each language user follows this style by habit. It is not a bad idea to record one's spoken communication

from time to time, as this will assist in removing any unwanted elements that the speech may be expressing. Similarly, it is a good idea to step back once in a while and read one's written communication objectively.

11. The world will become a silent place if people will think:
- (1) too much
 - (2) before listening
 - (3) before responding
 - (4) before speaking
- A. 1
B. 2
C. 3
D. 4
12. The process of language is a wonder because it is:
- (1) a reaction (2) a response
 - (3) smooth (4) involuntary
- A. 1
B. 2
C. 3
D. 4
13. Which of the following forms is assumed by the language style of a person?
- (1) a reaction (2) a habit
 - (3) a response (4) a thought
- A. 1
B. 2
C. 3
D. 4
14. When human beings react rather than respond:
- (1) They lose the message
 - (2) They lose control
 - (3) They become emotional
 - (4) They can't speak
- A. 1
B. 2
C. 3
D. 4
15. Animals do not possess language because:
- (1) the power of speech is missing
 - (2) the life breath is missing
 - (3) the level of complexity is missing
 - (4) the information-sharing is missing

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

16. Consider the argument provided below: **"Sound is impermanent because it is invisible"**
Identify the fallacy involved in the above argument on the basis of Indian logic.

- (1) Fallacy of irrelevant reason
- (2) Fallacy of wrong assertion
- (3) Fallacy of trivial reason
- (4) Fallacy of contradictory reason

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

17. The reasoning which would be helpful in finding new knowledge of facts about the world is:

- (1) Speculative (2) Inductive
- (3) Deductive (4) Analogical

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

18. Which of the following principles a good communicator should follow?

- (a) He should stay organised
- (b) He should avoid the use of visuals
- (c) He should be authoritarian
- (d) He must adjust to the medium
- (e) He should prefer the method of story-telling

Choose the correct answer from the options given below:

- (1) (a), (b) and (c)
- (2) (b), (c) and (e)
- (3) (b), (d) and (e)
- (4) (a), (d) and (e)

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

19. A person incurs 10% loss by selling a watch for Rs. 1,800. At what price should the watch be sold to earn 10% profit?

- (1) Rs. 1980 (2) Rs. 2160
- (3) Rs. 2,200 (4) Rs. 2,360

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

20. The average age of a class of 59 students is 18 years. If the age of the teacher is included, then the average increases by 3 months. The age of the teacher is:

(1) 28 years (2) 30 years
 (3) 33 years (4) 35 years

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

21. Below are given two sets in which Set I describe the types of listener involved in communication, while Set II indicates their characteristics:

Set – I (Types of listener involved in Communication)	Set – II (Characteristics)
(a) Non-Listener	(i) is engaged in information other than the one need
(b) Marginal Listener	(ii) receives information without processing the significance in the context of communication
(c) Evaluative Listener	(iii) looks into the relevance of the information for understanding its implication
(d) Active Listener	(iv) pays heed to the communicated information occasionally

Match the two sets and give your answer by choosing from the options:

- (a) (b) (c) (d)
- (1) (iv) (iii) (ii) (i)
 (2) (iii) (iv) (i) (ii)
 (3) (ii) (i) (iii) (iv)
 (4) (i) (iv) (ii) (iii)

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

22. In the context of a classroom teaching 'Smiles or Frowns' when used as non-verbal cues, tend to perform which of the following basic functions?

- (1) contradicting the verbal cue function
 (2) regulating the verbal cue function
 (3) substitute function
 (4) supplement function

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

23. Which of the following elements a good classroom communication should adopt?
- (a) Concreteness
 - (b) Courtesy
 - (e) Filibustering
 - (d) Fictionalisation
 - (e) Coherence

Choose the answer from the options given below:

- (1) (a), (b) and (d)
- (2) (b), (d) and (e)
- (3) (a), (b) and (e)
- (4) (a), (c) and (d)

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

24. The price of item A increases by 50 paise every year while the price of item B increases by 25 paise every year. If in 2008, the price of item A was Rs. 3.20 and that of B was Rs. 5.30, in which year item A will cost 40 paise more than the item B?

- (1) 2016
- (2) 2017
- (3) 2018
- (4) 2019

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

25. If DRIVER = 12, GOVERNMENT = 20, BELIEVED = 16, then BAT = ?

- (1) 6
- (2) 8
- (3) 10
- (4) 12

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

26. In a class of 35 students, Rajan is placed seventh from the bottom whereas Karan is placed ninth from the top. Divya is placed exactly in between the two. What is the differences in the positions of Rajan and Divya?

- (1) 9
- (2) 10
- (3) 11
- (4) 13

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

27. Non-verbal communication is mostly:

- (1) mechanical (2) organic
- (3) unstructured (4) structured

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

28. Identify the minor term in the following syllogism:

**“Some books are not edifying
All books are interesting
Therefore, some interesting things are not edifying”**

- (1) Subject of the conclusion and predicate of the second premises
- (2) Predicate of the conclusion and predicate of the first premises
- (3) Subject of the both premises
- (4) Predicate of the both premises

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

29. Two cyclists start from the same place in opposite directions. One goes towards north at 9 kmph and the other goes towards south at 10 kmph. What time will they take to be 47.5 km apart?

- (1) $2\frac{1}{2}$ hrs (2) $4\frac{1}{2}$ hrs
- (3) $4\frac{1}{4}$ hrs (4) $2\frac{1}{4}$ hrs

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

30. Consider the example provided below:

“This gavaya is like my cow”

This is an example of which means of knowledge (pramana)

- (1) comparison (2) implication
- (3) perception (4) inference

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

Q. (31-35): Study the following table and answer the questions.

The year-wise student strength in a university from different zones of the country in addition to those students who are from foreign countries is shown in table given below:

Student Strength (in hundreds)

Year	North Zone	South Zone	Central Zone	West Zone	East Zone	Foreign countries
2014	15.1	10.2	6.2	4.0	8.2	1.2
2015	16.2	11.5	5.8	4.1	7.8	1.6
2016	17.2	11.8	6.0	4.5	8.5	1.7
2017	17.4	10.8	6.5	4.8	7.6	1.8
2018	18.0	10.6	6.4	5.4	8.6	2.5

31. Which was the year when the students from east zone had maximum representation (%) in the total student strength of the university?
(1) 2016 (2) 2018
(3) 2014 (4) 2015
- A. 1
B. 2
C. 3
D. 4
32. What is the mean of annual growth rates (%) of the student strength of north zone?
(1) 6.24 (2) 4.51
(3) 3.86 (4) 4.82
- A. 1
B. 2
C. 3
D. 4
33. Which category of students have registered overall maximum growth rate (%) from 2014 to 2018?
(1) Foreign countries
(2) West Zone
(3) North Zone
(4) East Zone
- A. 1
B. 2
C. 3
D. 4
34. What was the percentage (%) of students from foreign countries in the year 2018?
(1) ~4.21% (2) ~3.52%
(3) ~5.24% (4) ~4.85%

- A. 1
B. 2
C. 3
D. 4
35. During the period 2014-2018, which zone exhibits cyclic variation?
(1) East zone (2) West zone
(3) Central zone (4) South zone
- A. 1
B. 2
C. 3
D. 4
36. Which of the following is generally associated with the domain name of an educational institution?
(1) .org (2) .edu
(3) .com (4) .inst
- A. 1
B. 2
C. 3
D. 4
37. Identify the scheme which aims to encourage Social Science Research in Policy relevant areas so as to provide vital inputs in policy formulation, implementation and evaluation.
(1) ICSSR Fellowship
(2) Cognitive Initiatives
(3) ICSSR - EMPRESS
(4) ICSSR Research Projects
- A. 1
B. 2
C. 3
D. 4
38. Identify the encompassing term that involves the use of electronic platforms to conduct a company's business.
(1) E-Business (2) E-Commerce
(3) E-Marketing (4) E-Governance
- A. 1
B. 2
C. 3
D. 4
39. Which of the following is not considered as a form of secondary storage?
(1) RAM (2) Floppy Disk
(3) Optical Disk (4) Flash Drive

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

40. What is SWAYAM?

- (1) Non-Governmental Organisation
- (2) Digital Programme to achieve the principles of education
- (3) On-line platform
- (4) Name of a web site

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

41. Choose the set of non-renewable resources.

- (1) Uranium, natural gas, soil
- (2) Natural gas, uranium, phosphates
- (3) Petroleum, uranium, geothermal energy
- (4) Shale gas, uranium, soil

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

42. One of the parameters used to characterise the air quality at a location is $PM_{2.5}$. Here, the suffix '2.5' refers to:

- (1) average number of suspected particles in 10 cm^3 of air
- (2) size of suspended particles in certain units
- (3) concentration of oxides of sulphur and nitrogen
- (4) concentration of suspended particles in 2.5 m^3 of air

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

43. NMEICT is an acronym for:

- (1) National Massive Education through Information and Communication Technology
- (2) National Mission on Education through Information and Communication Technology
- (3) National Multipurpose Education through Information and Communication Technology
- (4) National Mode of Education through Information and Communication Technology

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

44. Which of the following commission/ committee in the post-independent India has paid attention all the levels of education?
- (1) Radhakrishnan Commission
 - (2) Mudaliar Commission
 - (3) Kothari Commission
 - (4) Acharya Rammurthi Committee
- A. 1
B. 2
C. 3
D. 4

45. The purpose of Gurukul system of education is to:
- (1) Promote equality and excellence
 - (2) Minimise stress in learning
 - (3) Empowering for future learning
 - (4) Encourage self-help
- A. 1
B. 2
C. 3
D. 4

46. Which of the following diseases are due to polluted water?
- | | |
|----------------|-------------|
| (a) Giardia | (b) Dengue |
| (e) Amoebiasis | (d) Typhoid |

Choose the correct answer from the options given below:

- (1) (a), (b) and (d)
- (2) (b), (c) and (d)
- (3) (a), (b), (c) and (d)
- (4) (a), (c) and (d)

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

47. The scheme "Unnat Bharat Abhiyan" aims to:
- (1) Increase strength of students in colleges in India
 - (2) Link higher educational institution in the country with at least 5 villages
 - (3) Increase quality in Higher Education
 - (4) Increase number of colleges in India
- A. 1
B. 2
C. 3
D. 4

48. Which of the following devices enables a computer to transmit data over telephone lines?
(1) CPU (2) Hub
(3) Switch (4) Modem
- A. 1
B. 2
C. 3
D. 4
49. Which of the following is non-vehicular pollutant?
(1) chlorofluorocarbon
(2) carbon-monoxide
(3) hydrocarbon
(4) particulate matter
- A. 1
B. 2
C. 3
D. 4
50. Which of the following is the largest sink of CO₂ gas?
(1) Forests (2) Oceans
(3) Ice sheets (4) Grasslands
- A. 1
B. 2
C. 3
D. 4



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