

**UGC NTA NET – NOVEMBER 2020
GEOGRAPHY – PAPER 1**

1. Successful communication inside the classroom depends upon
- a) Detailed and long description of the topic
 - b) Describing the theme
 - c) Use of persuasive words and phrases
 - d) Clarity in explanations offered
 - e) Repetitive anecdotes
 - f) Unstructured delivery of message

Choose the correct option from those below;

1. a, b, c, only
2. b, c, d only
3. c, d, e only
4. d, e, f only

RESEARCH ARENA

2. Which of the following are the learner related factors in determining effectiveness of teaching?

- a) Task relevant competencies of learners
- b) Content mastery of the teacher
- c) Choice of teaching methods
- d) Readiness level of student

Choose the correct answer from the options below:

1. b and c only
2. a and e only
3. d and e only
4. b and e only

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3. Which one of the following is not a sense organ according to classical Indian school of logic?

1. Manas
2. Savikalpa
3. Caksuh
4. Srotra

4. Given below are two statements. One is labelled as Assertion (A) and other is labelled as Reason (R).

Assertion (A) : While communicating with students, a teacher should go beyond what is prescribed.

Reason (R) : Non-verbal cues definitely convey what is intended by the teacher.

In the light of the above two statements, choose the correct option from those given below:

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

5. A sum of money with compound interest becomes Rs. 400 in 2 years and Rs. 500 in 3 years. Find the sum.

1. Rs. 290
2. Rs. 256
3. Rs. 302
4. Rs. 308

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6. “Planets are big. Therefore, the atoms from which they are made are big.” This inference commits which kind of fallacy?

1. Fallacy of Division
2. Fallacy of Ambiguity
3. Fallacy of Equivocation
4. Ad populum

7. Which of the following is correct about the sentence. “Some men are not married”?

1. The subject is distributed
2. The predicate is distributed
3. Both subject and predicate are distributed
4. Neither subject nor predicate is distributed.

8. Inappropriate application of ICT in research is an example of:

1. Technical lapse on the part of researcher
2. Inadequate provision of ICT resources
3. Violation of research ethics
4. Absence of technical expertise of ICT resources

9. There are two sets given below in which Set I offers types of learner's characteristics and Set II gives their description. Match the two sets:

| Set I (Learner's Characteristics) | Set II (Description) |
|--------------------------------------|--|
| a) Academic Characteristics | i) Learner encodes and decodes relevant messages correctly |
| b) Social Characteristics | ii) Learner selects different themes in his/her course when needed |
| c) Emotional Characteristics | iii) Learner works as a team member of the peers |
| d) Cognitive Characteristics | iv) Learner starts respecting the individual differences evident in likes and dislikes of members of his class |

Choose the correct answer from the following options:

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

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10. The research form which will be an appropriate fit for improving efficacy of formative assessment would be:

1. Fundamental research
2. Applied research
3. Action research
4. Ethnographic research

11. When the classroom communication is circular, the teacher-encoder will be a/an:

1. Active decoder
2. Passive observer
3. Negative receiver
4. Restive coder

12. If a teacher considers his or her students ill-informed, teacher's behaviour is described as;

1. Single mindedness
2. Having liberal view
3. Pluralistic ignorance
4. Conventional coding

13. In which research design, the independent variable is 'selected', rather than 'manipulated'?

1. Experimental research design
2. Historical research design
3. Ex post facto research design
4. Descriptive survey research design

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14. "Have you stopped telling lies?"

This type of question commits which kind of fallacy?

1. Fallacy of Complex Question
2. Fallacy of Ambiguity
3. Fallacy of Equivocation
4. Fallacy of Accident

15. In the two sets which follow, Set I gives certain terms used in research while Set II offers their description. Match the two sets

| Set I (Terms used in research) | Set II (Description) |
|-----------------------------------|--|
| a) A postulate | i) It causes obtained results to vary in a particular direction |
| b) A construct | ii) It is something which can change either quantitatively or qualitatively |
| c) Variable | iii) It is the statement of the principle assumed, in the absence of direct evidence |
| d) Systematic error | iv) Though not directly observable, is considered to exist |

Select the correct answer from the following options:

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

16. "Some teachers are not sincere" is an example of which category of proposition?

1. Universal negative
2. Universal affirmative
3. Particular affirmative
4. Particular negative

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17. For organizing effective teaching-learning systems in collages, which if the following instructional strategies may be considered appropriate?

- a) Replacing lecture work by computer-aided instruction
- b) Attuning teaching in terms of can do/will do analysis in respect of student's readiness levels
- c) Introduction of bio-metric based attendance in the class
- d) Diversifying teaching methods in terms of learner's needs
- e) Involving students, giving responsibility and recognizing the accomplishments

Choose the correct answer from the options given below:

- 1. b, d, and e only
- 2. a, b, and c only
- 3. b, c, and d only
- 4. c, d, and e only

18. MOTION is to RUN as EMOTION is to:

- 1.. FURIOUS
- 2. FEELING
- 3. HEART
- 4. ENJOY

19. Communication begins usually with:

- 1. Confused ideas
- 2. Semantic noise
- 3. Apprehension
- 4. Pictures in the mind

20. Twenty times a positive integer is less than its square by 96. What is the integer?

- 1. 24
- 2. 20
- 3. 30
- 4. 14

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21. If UGCNET = 35, then CSIRNET =

1. 42 2. 43 3. 44 4. 45

22. A university teacher conducts research study where lecture-cum demonstration method is used to assess the effect on student's level of participation in terms of the socio-economic status (SES) of their family and its habitat. Which variable in this study will be called an independent variable?

1. Lecture-cum demonstration method
2. Students level of participation
3. SES of their family
4. Habitat of the family

23. When a researcher rejects the 'Null Hypothesis' in his/her study and accepts an alternate Hypothesis, what type of error is likely?

1. Type I error
2. Type II error
3. Both Type I error and Type II error
4. Neither Type I nor Type II error

24. In the following statements, identify those which are related to characteristics and basic requirements of teaching at the understanding level.

- a. Teaching stresses recitations of facts and information
- b. Teaching becomes an activity to promote seeing of relationships among facts and information
- c. The teacher expects that students will be able to translate and interpret the meanings in their own words
- d. The teacher insists on recall and recognition of facts presented
- e. The teacher gives a large number of examples to bring home the main ideas

Choose the correct answer from the following options:

1. a, b, and c only
2. c, d, and e only
3. a, d, and e only
4. b, c, and e only

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25. The missing letters in the given letter series are:

BCE, CDG, DEI,, FGM

1. EFK 2. EGJ 3. EFH 4. EGH

(For questions 26-30)

The following table gives the percentage of total students and also girl students enrolled in five schools (A-E). The total number of students is 4500, while the total number of girl students is 2000. Based on the data of table, answer the questions that follow.

Percentage of total number of students and girl students in five schools

| School Name | % of total students enrolled | % of Girl students enrolled |
|-------------|------------------------------|-----------------------------|
| A | 20% | 15% |
| B | 30% | 35% |
| C | 25% | 12% |
| D | 15% | 25% |
| E | 10% | 13% |

26. If 10% of the girls enrolled in c, change their school to E, then what will be the aggregate number of girls then in E?

1. 214 2. 234 3. 274 4. 284

27. The ratio of number of girls enrolled in school B to that of the number of boys enrolled in D is;

1. 1:4 2. 4:1 3. 1:3 4. 3:1

28. The number of girls enrolled in B, C, and D constitutes what percentage (%) of total number of students in schools?

1. 30% 2. 31% 3. 32% 4. 33%

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29. The total number of boys enrolled in schools C, D, and E is:

1. 965 2. 1250 3. 1021 4. 1325

30. The total number of girls enrolled in schools A and B together is;

1. 740 2. 760 3. 940 4. 1000

31. Which of the following portals include the list of 'on-line courses'?

- a) aria.gov.in
- b) swayam.gov.in
- c) mic.ac.in
- d) nptel.ac.in

Choose the correct option from those given below:

- 1. a and c only
- 2. a and d only
- 3. b and c only
- 4. b and d only

RESEARCH ARENA

32. One aspect of E-governance deals with flow of information between the government and citizens. Which of the following are Government to Citizens (G2C) initiatives?

- a. e – Help
- b. e – Health
- c. e – Tendering
- d. e – Feedback

Choose the correct option from those given below:

- 1. a and b only
- 2. c and d only
- 3. b and d only
- 4. b and c only

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33. A vital role in human resource development of a country centred on skilled manpower, productivity and the quality of its people is focused on which of the following domains?

1. Professional education
2. Formal education
3. Lifelong education
4. Technical education

34. The impact of noise pollution on human health is governed by:

- a) Intensity of noise
- b) Duration of noise
- c) Socio-economic status of an individual
- d) Sensitivity of human ear
- e. Frequency range of noise

Choose your answer from the options given below:

1. a, b, d, and e only
2. a, b, and c only
3. a, c, d, and e only
4. a, b, c, d, and e

35. Sustainable Development Goal – 'Life below water' aims at conserving and sustainably using;

1. Ground water resources
2. Rivers, Streams, Ponds, and Lake resources
3. Oceans, Sea and Marine resources
4. Wetland resources

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36. From the following list, identify the Greenhouse Gases adopted in the Kyoto Protocol.

- a) Carbon dioxide
- b) Methane
- c) Nitrous oxide
- d) Hydrofluorocarbons
- e) Perfluorocarbons
- f) Sulphur hexafluoride

Select the most appropriate answer from the options given below:

- 1. a, b, d, and e only
- 2. a, d, e, and f only
- 3. b, d, e, and f only
- 4. a, b, c, d, e, f

37. How many unique combinations of 0's and 1's can be made with 5-binary digit code?

1. 16 2. 32 3. 64 4. 128

38. Which of the following is a residential center for free and creative enquiry into the fundamental themes and problems of life and thought?

- 1. Dr Zakir Hussain Memorial College Trust
- 2. Sri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth
- 3. Indian Institute of Advanced Study
- 4. National Assessment and Accreditation Council

39. The process through which an illegitimate website pretends to be a specific legitimate website is known as:

- 1. Sniffing
- 2. Spoofing
- 3. Back Doors
- 4. War Dialing

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40. Which of the following keys of keyboard are called modifier keys?

- a) Ctrl
- b) Shift
- c) End
- d) Alt

Choose the correct option from those given below:

- 1. a, b, and c only
- 2. a, b, and d only
- 3. a, c, and d only
- 4. b, c, and d only

41. Climate pledges under Paris Agreement cover what fraction of greenhouse gas emissions reduction needed to limit the global warming below 2°C?

- 1. 1/3
- 2. 2/3
- 3. 1/2
- 4. 3/4

42. Polar Stratospheric Clouds are associated with which of the following environmental issues?

- 1. Flash flood
- 2. Acid Rain
- 3. Ozone layer depletion
- 4. Photo-chemical smog

43. The teaching in the universities of ancient India was controlled by board of eminent teachers. The affairs of which university were administered by the Board of Vikramasila University?

- 1. Jagaddala University
- 2. Valabhi University
- 3. Nalanda University
- 4. Odantapuri University

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44. Capturing the imagination and initiative of the student is of crucial importance in;

1. Case method of teaching
2. Concept Mapping
3. Peer instruction
4. Quizzes

45. For research in policy relevant areas, which of the following organizations is entrusted with the initiative 'Impress'?

1. IIAS
2. ICSSR
3. ICPR
4. ICHR

For questions 46-50.

Read the passage given below carefully and answer questions that follow:

The representative dimension of the new liberal political orders designed to protect individual rights, appeared as the best mechanism for actualizing popular rule or sovereignty – indeed democracy. As a result, it is more beneficial to assess the meaning and value of 'rights' as historical and political practices, rather than conceptual forms (especially as counterparts to 'virtue'). In this respect, the discourse of rights reflected a new official mode of combining ethics and power for political conduct. But the formally equal treatment of citizens belied a relatively arbitrary element, for the involvement of the citizenry in shaping the conduct of their representatives was left to elite influenced election procedures, qualifications and voluntary participation. Still, representation became the mythical means of transposing the authorizing power of the people to the new authorities in government. After all, representatives had more time and money to perfect their virtue and skill in conducting their work and were not supposed to be corrupted by the power that attended their offices. They were supposed to be better guardians and agents of public virtue than ordinary citizens as representation became institutionalized in the new states. The state wielded power over the people, diversifying rather than restricting the problems of demagoguery in ancient democracy that modern republics were supposed to correct.

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46. What was expected of public representatives?

1. Use power for personal gains
2. Behave like ordinary citizens
3. Become skilled in power politics
4. Safeguard representation of virtue

47. What will be the more beneficial assessment of democracy?

1. Considering rights as a political practice
2. Avoiding historical meanings of the concept
3. Emphasizing on virtues
4. Examining the conceptual forms of democracy

48. The aim of liberal democracy is to:

1. Provide a mechanism to ignore popular voice
2. Safeguard individual rights
3. Understand the political order
4. Defocus representativeness

49. What does the discourse of rights focus on ?

1. Election procedures
2. Arbitrary freedom
3. Reasonable political conduct
4. New priests of power

50. According to the author of the passage, the modern republics should:

1. Exercise power over people
2. Institutionalize power and corruption
3. Free themselves from the defects of ancient democracy
4. Imitate the institutions of new states