UGC NET Question Paper 22nd December 2018

(Paper-I)





- 1. Artifacts that arise and affect the internal validity in research are:
 - (a) History
 - (b) Randomisation
 - (c) Maturity
 - (d) Instrumentation
 - (e) Experimental mortality
 - (f) Matching

Code:

- A. (a), (b), (c) and (d)
- B. (a), (c), (d) and (e)
- C. (b), (c), (d) and (f)
- D. (d), (e), (f) and (b)
- 2. A variable that is manipulated is known as:
 - A. Confounding variable
 - B. Control variable
 - C. Dependent variable
 - D. Independent variable
- 3. Among the following which one is not an instructional material?
 - A. printed study guide
 - B. Overhead projector
 - C. Audio podcast
 - D. You tube video
- 4. Which among the following is the best field of study to improve the ability of students to experiment and analyze?
 - A. Economics
 - B. History
 - C. Science
 - D. Languages
- 5. The components of a research design are:
 - (a) Comparison
 - (b) Control
 - (c) Reactivity
 - (d) Manipulation
 - (e) Non-representativeness
 - (f) Generalisation

Code:

- A. (c), (d), (e) and (f)
- B. (b), (c), (d) and (e)
- C. (a), (b), (d) and (f)
- D. (a), (c), (e) and (f)
- 6. Which among the following reflects best the quality of teaching in a classroom?

- A. Through the use of many teaching aids in the classroom
- B. Through full attendance in the classroom
- C. Through the quality of questions asked by students in classroom
- Through observation of silence by the students in classroom
- 7. Which among the following is best advantage of Choice Based Credit System?
 - A. Reducing examination anxiety among students
 - B. Helping teacher to complete syllabus on time
 - C. Shift in focus from teacher-centric education
 - D. Improving classroom attendance
- 8. Formulation of a research problem depends upon:
 - (a) What is the object behind the researcher's choice?
 - (b) What are the specific questions?
 - (c) What is the conceptual model?
 - (d) What negative factors to research upon?
 - (e) Reasons for unlimiting the study.
 - (f) Construction of hypotheses.

Code:

- A. (a), (c), (e) and (f)
- B. (b), (c), (d) and (e)
- C. (c), (d), (e) and (f)
- D. (a), (b), (c) and (f)
- 9. Suppose as a teacher you are training your students in public speaking and debate. Which among the following is most difficult to develop among the students?
 - A. Using/Selecting appropriate language
 - B. Control over emotions
 - C. Voice modulation
 - D. Concept formulation
- 10. The four major operations in scientific research are:
 - (a) Demonstration of co-variance
 - (b) Elimination of spurious relations
 - (c) Sequencing in terms of time-order
 - (d) Self-education
 - (e) Operationalization of personal choice
 - (f) Theorisation



Code:

- A. (a), (b), (c) and (f)
- B. (b), (c), (d) and (e)
- C. (a), (b), (c) and (d)
- D. (c), (d), (e) and (f)

Comprehension:

Read the following passage carefully and answer questions 11 to 15: Singapore has long advocated for India to take up its role as an integral part of the region. It is gratifying to see how ASEAN - India relations have grown during the past 25 years. In 1991, when the Cold War ended and India began its economic liberalization, Singapore saw on opportunity to deepen ties and build on its historical and cultural links with the Asian region. Singapore pushed for India to become a full ASEAN dialogue partner in 1995 and join the EAS in 1995 and since then, ASEAN -India ties have strengthened. All in all, around 30 platforms for co-operation exist, including seven ministerial dialogues and the Annual Leader Summit. However, there is scope for more and it is a must. For instance, there are tremendous opportunities in enhancing physical and digital connectivity between India and ASEAN. ASEAN is committed to strengthening land, air and sea linkages with India. These linkages will enhance people-to-people flows, as well as boost business, investment and tourism. The India-Myanmar-Thailand trilateral highway will connect India's Northeast to mainland Southeast Asia, While one can fly directly between India and several ASEAN countries, there is still much room to expand air links to support growing business and tourism. Beyond physical linkages, digital connectivity is the new frontier in the Fourth Industrial Revolution. India has made great progress in innovation, Start-ups and digital inclusion. There are opportunities to apply initiatives such as Aadhaar in our region. E-commerce and FinTech are two other areas of potential collaboration. As an economic hub, Singapore can serve as a springboard to lunch these ideas to Southeast Asia and beyond. India's role in ASEAN should be anchored by growing economic ties with Singapore. The economic integration involving 16 countries with one-third of global GDP and trade will create an integrated Asian market.

- 11. The areas of collaboration between India and ASEAN are:
 - (a) Fin Tech
 - (b) Aadhaar
 - (c) E-commerce
 - (d) Digital backwardness
 - (e) Trilateral highways
 - (f) Fourth Industrial Revolution

Code:

- A. (a), (c), (e) and (f)
- B. (a), (b), (c) and (d)
- C. (c), (d), (e) and (f)
- D. (b), (c), (d) and (e)
- 12. What prompted Singapore to opt for stronger ties with India?
 - A. End of Cold War
 - B. Economic liberalization in India
 - C. Historical past
 - D. Geo-political equations
- 13. What is needed to encourage tourism between India and ASEAN?
 - A. Waterways
 - B. Air links
 - C. Innovation
 - D. Start-ups
- 14. The commitment of ASEAN with India is:
 - A. Hold leadership summits
 - B. Offer political platforms
 - C. More and more dialogues
 - D. Improving transport links
- 15. Who can be India's Launchpad for an integrated Asian market as per the passage?
 - A. Southeast Asia
 - B. Myanmar
 - C. Thailand
 - D. Singapore
- 16. Choose the word which is different from the rest:
 - A. Aravalli Hills
 - B. Nilgiri Hills
 - C. Shivalik Hills
 - D. Mount Kilimanjaro



- 17. The next term in the letter series DEF, HIJ, LMN, PQR, TUV, ______ is:
 - A. YZA
 - B. WYZ
 - C. XYZ
 - D. WXY
- 18. Jenifer's father-in-law is my brother. Helen is a grand-daughter of my mother. How is Helen related to Jenifer?
 - A. Sister
 - B. Daughter-in-law
 - C. Sister-in-law
 - D. Mother
- 19. In the digital era, there is a fear that classroom communication may result in:
 - A. Stimulation
 - B. passive adaptation
 - C. Quick adaptation
 - D. Over-stimulation
- 20. Among the following there are two statements which can't be true together, but can be false together. Select the code that represents them.

Statements:

- (a) All poets are dreamers.
- (b) No poets are dreamers.
- (c) Some poets are dreamers
- (d) Some poets are not dreamers

Code:

- A. (c) and (d)
- B. (a) and (b)
- C. (a) and (d)
- D. (b) and (d)
- 21. Non-verbal communication is considered:
 - A. Informal
 - B. Precise
 - C. Culture-free
 - D. Formal
- 22. Negative criticism as an element of classroom communication will lead to:
 - (a) External sympathy
 - (b) Justification
 - (c) Defensiveness

- (d) De-motivation
- (e) Supportive listening
- (f) Confrontational empathy

Code:

- A. (a), (b) and (c)
- B. (c), (d) and (e)
- C. (b), (c) and (d)
- D. (d), (e) and (f)
- 23. Assertion (A): Teacher communication is central to classroom management.

Reason (R): Teacher communication behaviors should not be used to regulate the classroom behavior of students.

- A. Both (A) and (R) are true.
- B. (A) is true, but (R) is false.
- C. Both (A) and (R) are true, but (R) is not the correct explanation of (A).
- D. (A) is false, but (R) is true.
- 24. The next term in the series 0,1,9,36,100,
 - ____ 13
 - A. 196B. 225
 - C. 216
 - D. 164
- 25. Which one of the following can be validly inferred from the proposition All animals are wild?
 - A. Some animals are not wild.
 - B. No animals are wild.
 - C. Some animals are wild
 - D. No non-animals are wild.
- 26. Truth and falsity are attributes of:
 - A. propositions
 - B. Arguments
 - C. Opinions
 - D. Debates
- 27. If ABODE is coded as ADRHJ, then the code for AGRO will be:
 - A. AIVX
 - B. AIUS
 - C. AVCD
 - D. AIST



28. Given below are two premises (a) and (b). Four conclusions are drawn from them. Select the code that states validity drawn conclusion(s). [Taking the premises individually or jointly]

Premises:

- (a) All judges are lawyers.
- (b) No doctors are lawyers.

Conclusions:

- (i) No lawyers are doctors.
- (ii) No doctors are judges.
- (iii) All lawyers are judges.
- (iv) Some doctors are judges.

Code:

- A. (i) and (iv)
- B. (ii) and (iii)
- C. (i) and (ii)
- D. (i) and (iii)
- 29. Under which of the conditions an argument may be valid? Select the correct answer from the code given below:

Statements:

- (a) When its conclusion and premises are true.
- (b) Even when its conclusion and one or more of its premises are false.
- (c) Only when its conclusion is true.

Code:

- A. (c) alone
- B. (a) and (b)
- C. (a) and (c)
- D. (a) alone
- 30. The rhetorical approach in classroom communication considers teachers as agents of students.
 - A. Non-official
 - B. Official
 - C. Influencina
 - D. Academic

Comprehension: 31 to 35

Data on % of villages not electrified in 6 States is given below (in the year 2000):

State	% of villages not electrified
Α	25%
В	45%
С	20%
D	60%
E	55%
F	30%

Answer the following three questions:

31. In the year 2000, the total number of villages in State D was 15,000. In the year 2010, the total number of village had increased to 20,000 out of which 10,000 villages were yet to be electrified.

The % of villages not electrified in 2010 in State D has thus

- A. Come down
- B. Cannot be computed
- C. Gone up
- D. Not enough data
- 32. Which state has twice the percentage of electrified villages in comparison to State D?
 - A. State C
 - B. State D
 - C. State A
 - D. State B
- 33. How many States have at least 50% or more electrified villages?
 - A. 4
 - B. 1
 - C. 2
 - D. 3
- 34. If the total population of state A was 5 lakhs while the population in State B was 2 lakhs, the number of villages which do not have electricity will be:
 - A. Higher in State B
 - B. Cannot be calculated
 - C. Higher in State A
 - D. Equal in State A and B
- 35. If the population for State A is 2.6 lakhs, what is the number of villages that are not electrified?
 - A. 0.39 lakhs
 - B. 3900 lakhs
 - C. 49000 lakhs
 - D. 51000 lakhs



- 36. Which of the following was launched in 2013 with the purpose to provide strategic funding to eligible state higher educational institutions?
 - A. Rashtriya Madhyamik Shiksha Abhiyan
 - B. All India Council for Technical Education
 - C. Sarva Shiksha Abhiyan
 - D. Rashtriya Uchchatar Shiksha Abhiyan
- 37. A source of renewable power which can be development with minimum cost is:
 - A. Biomass power
 - B. Tidal power
 - C. Wind mills
 - D. Geothermal energy
- 38. _____denotes an error in a computer program.
 - A. Bit
 - B. Bug
 - C. Spam
 - D. Virus
- 39. The National Knowledge Commission (NKC) was established in which year?
 - A. 1998
 - B. 2005
 - C. 2007
 - D. 2000
- 40. A small text file stored on user's computer by some websites in order to recognize and keep track of user's preferences is called:
 - A. Log
 - B. Report
 - C. Cookie
 - D. History
- 41. Which of the following are audio file formats?
 - (a) .wav
 - (b) .aac
 - (c) .wmv
 - (d) .flv

Code:

- A. (a) and (d)
- B. (b) and (c)
- C. (a) and (b)
- D. (c) and (d)

- 42. The annual range of temperature in the interior of the continents is high compared to coastal areas. What is/are the reason(s)?
 - (a) Thermal difference between land and water
 - (b) Variations in altitude between continents and oceans.
 - (c) Presence of strong winds in the interior.
 - (d) Heavy rains in the interior as compared to coastal region.

Code:

- A. (a) only
- B. (b) and (c) only
- C. (a), (b), (c) and (d)
- D. (a) and (b) only
- 43. In a computer, if 8 bits are used to specify address in memory, the total number of addresses will be:
 - A. 256
- B. 8
- C. 216
- D. 512
- 44. The University Grants Commission (UGC) was formally inaugurated on 28 December 1953 by whom among the following?
 - A. Sh. Maulana Abdul Kalam Azad
 - B. Mrs. Indira Gandhi
 - C. Dr. Raiendra Prasad
 - D. Dr. S. Radhakrishnan
- 45. How much carbon is being added to the atmosphere by burning of fossil fuels?
 - A. 2-6 billion tons
 - B. 6-9 billion tons
 - C. 4-6 billion tons
 - D. 9-12 billion tons
- 46. The University Grants Commission has a scheme for "Human Rights and values in Education". Under this scheme, which statement is incorrect among the following for 'Human Rights and Duties Education' component?
 - A. To establish value and wellness centers in schools.
 - B. To encourage research activities.
 - C. To develop interaction between society and educational institutions.
 - D. To sensitize the citizens so that the norms and values of human rights are realized.



- 47. Natural vegetation of an area needs to be preserved for the future, mainly for the purpose of:
 - A. Providing habitat for birds
 - B. Preventing soil erosion
 - C. Study by scientists
 - D. Providing material for breeding new species
- 48. The output quality of a printer is measured by:
 - A. Digits per inch
 - B. Dots per mm
 - C. Dots per inch
 - D. Dots per cm

- 49. In which part of India, the tropical western Ghats are situated?
 - A. Punjab
 - B. Kerala
 - C. Madhya Pradesh
 - D. Rajasthan
- 50. In which year Education Commission under the Chairmanship of Dr. DS. Kothari was set up?
 - A. 1960
 - B. 1955
 - C. 1952
 - D. 1964



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