

UGC NET - PAPER-I

MOCK TEST PAPER

- *This paper contains 50 objective type questions.*
- *Each question carries 2 marks.*
- *Attempt all the questions.*
- *Pattern of questions : MCQs*
- *Total marks : 100*
- *Duration of test : 1.5 Hours*

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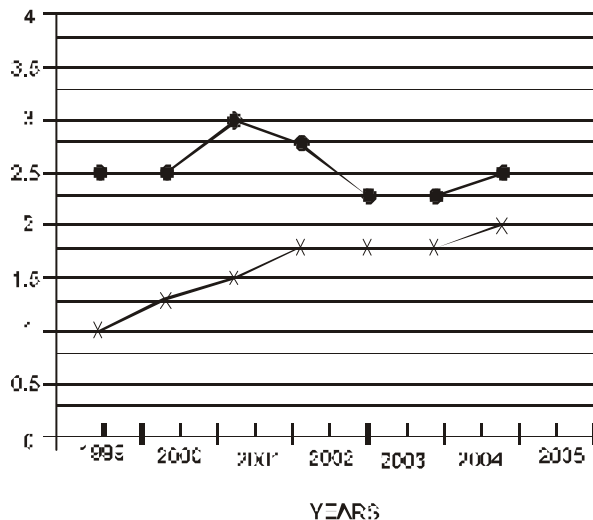
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PAPER – I

1. A manager must discover various analyze the reasons for their occurrence and take preventive steps.
(A) Cause to communication
(B) Barrier to communication
(C) Both (a) and (b)
(D) None
2. "It is communication of feelings, emotions, attitudes, and thoughts through body movements / gestures / eye contact, etc." which type of communication is this?
(A) Oral communication
(B) Written communication
(C) Non verbal communication
(D) None
3. Which of the following is a part of the English language which helps us to understand sounds of various alphabets?
(A) Phonetics
(B) Homophones
(C) Both (a) and (b)
(D) None

Questions 4-8 Study the following graph carefully to answer the given questions.

PRODUCTION OF TWO COMPANIES A AND B (IN CRORE UNITS) OVER THE GIVEN YEARS



4. For Company A, how much is the percent increase in production in 2000 from 1999?
 - (A) 0.25
 - (B) 2.5
 - (C) 25
 - (D) 12.5

5. How many units is the total production of Company A for the given years?
 - (A) 9crores
 - (B) 17.75 crores
 - (C) 12.25 crores
 - (D) 11 crores

6. What is the difference in units produced by the two companies in 1999?
 - (A) 1,50,000,000
 - (B) 15,00,00,000
 - (C) 15,00,000
 - (D) 15,000

7. How many units is the approximate average production of Company B for the given years?
 - (A) 3crores

- (B) 2.55 crores
(C) 2.75 crores
(D) 2.25 crores
8. In w hich year did both the companies have no change in production from the previous year?
(A) 2000
(B) 2002
(C) 2003
(D) 2004
9. If sampled in reconnaissance mode, data limitation requires use of
(A) Maximum
(B) Mnimum
(C) Both (a) and (b)
(D) None
10. If estimating average concentrations is planned
(A) Exposure units must be defined
(B) Sufficient samples are required
(C) Both (a) and (b)
(D) None
11. Which Can be used to evaluate if constituents in subsurface are correlated and have the same or different sources?
(A) Scatter plots
(B) Ratio plots
(C) Multivariate plots
(D) None
12. Which of the following Can be used to evaluate if ratios of constituents in subsurface are similar or different from those in indoor/outdoor air?
(A) Scatter plots
(B) Ratio plots

- (C) Multivariate plots
(D) None
13. Which of the following collection techniques were used as the primary research methods for this study?
(A) Qualitative
(B) Quantitative
(C) Both (a) and (b)
(D) None
14. In order to organize, classify and analyze the gathered information, used
(A) Graphs
(B) Statistics
(C) Both (a) and (b)
(D) None

Direction (15-19) The strength of Indian Democracy lies in its tradition, in the fusion of the ideas of democracy and national independence which was the characteristic of the Indian Nationalist Movement long before independence. Although the British retained supreme authority in India until 1947, the provincial elections of 1937 provided real exercise in democratic practice before national independence. During the Pacific war India was not overrun or seriously invaded by the Japanese and after the war was over, the transfer of power to a government of the Indian Congress Party was a peaceful one as far as Britain was concerned. By 1947 'Indianisation' had already gone far in the Indian Civil Service and Army, so that the new government could start with effective instruments of central control. After independence, however, India was faced with two vast problems; the first, that of economic growth from a very low level of production and the second was that of ethnic diversity and the aspirations of sub nationalities. The Congress leadership was more aware of the former problem than of the second. As a new political elite which had rebelled not only against the British Raj but also against India's old social order, they were conscious of the need to initiate economic development and undertake social reforms, but

as nationalists who had led a struggle against the alien rule on behalf of all parts of India, they took the cohesion of the Indian nation too much for granted and underestimated the centrifugal forces of ethnic division, which were bound to be accentuated rather than diminished as the popular masses were more and more drawn into politics. The Congress party was originally opposed to the idea of recognizing any division of India on a linguistic basis and preferred to retain the old provinces of British India which often cut across linguistic boundaries. However, this was later conceded as the basis for a federal 'Indian Union'. The rights granted to the States created new problems for the Central Government. The idea of making Hindi the national language of a united India was thwarted by the recalcitrance of the speakers of other important Indian languages and the autonomy of the States rendered central economic planning extremely difficult. Land reforms remained under the control of the States and many large-scale economic projects required a degree of cooperation between the Central Government and one or more of the States which, it was found, was impossible to achieve. Coordination of policies was difficult even when the Congress party was in power both in the State and at the Centre. When a Congress Government in Delhi was confronted with non-Congress parties in office in the States, it became much harder.

15. Which of the following problems was India faced with after Independence ?
- (A) Military attack from a country across the border.
 - (B) Lack of coordination between the Central and State Governments.
 - (C) Improper coordination of various Government policies
 - (D) Increasing the production from a very low level
16. Which of the following issues was not appropriately realized by the Central Government.
- (A) Ethnic diversity of the people
 - (B) A national language for the country
 - (C) Implementation of the formulated policies
 - (D) Centre -State relations
17. Why was central economic planning found to be difficult?

- (A) Multiplicity of States and Union Territories
(B) Lack of coordination in different Government departments
(C) Autonomy given to the States in certain matters
(D) Lack of will in implementing land reforms
18. Why was the linguistic reorganization of the State accepted?
(A) The States were not cooperating with the Central Government
(B) Non-Congress Governments in the States demanded such a reorganization of the States
(C) No common national language emerged
(D) Strong pressure from the States was exerted on the Central Government to create such States
19. Which, according to the passage, can be cited as an exercise in democratic practice in India before Independence?
(A) The handing over of power by the British to India
(B) The Indianisation of the Indian Civil Service
(C) A neutral role played by the Army
(D) None of the above
20. The information to be collected in survey method are related to
(A) Present Position
(B) Aims of the research
(C) The attainment of aim of research
(D) All of the above
21. Research is done for
(A) Knowledge of research process
(B) Solving a business problem
(C) Interest in research
(D) Experience

22. A research problem is feasible only when
- (A) It is researchable
 - (B) It has some utility
 - (C) It is new
 - (D) All of the above
23. One of the essential characteristics of research is
- (A) Sensitivity
 - (B) Generalizability
 - (C) Usability
 - (D) Replicability
24. Identify the main Principle on which the Parliamentary System operates.
- (A) Responsibility of Executive to Legislature
 - (B) Supremacy of Parliament
 - (C) Supremacy of Judiciary
 - (D) Theory of Separation of power
25. The reservation of seats for women in the Panchayat Raj Institutions is :
- (A) 30% of the total seats
 - (B) 33% of the total seats
 - (C) 33% of the total population
 - (D) None
26. Match list I with list II and select the correct from the code given below :
- | List I (Institutions) | List II (Locations) |
|--|---------------------|
| 1. Indian Veterinary Research Institute | i. Pune |
| 2. Institute of Armament Technology | ii. Izat Nagar |
| 3. Indian Institute of Science | iii. Delhi |
| 4. National Institute for Educational Pannesi and Administrators | vi. Bangalore |
- (A) 1-ii, 2-i, 3-iv, 4-ii

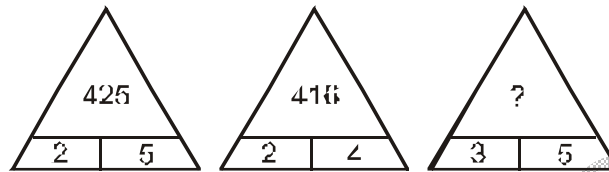
- (B) 1-ii, 2-iv, 3-ii, 4-iii
(C) 1-ii, 2-iii, 3-I, 4-iv
(D) 1-iv, 2-iii, 3-ii, 4-i
27. Who was chairman of the UGC committee 1969 appointed for administrative legislation of the universities?
(A). Dr. Zakir Hussain
(B) Dr. P B Gajendragadkar
(C) Dr. L S Mudaliar
(D) Dr. Radha Krishnan
28. UGC has launched career oriented program in
(A) 1964-65
(B) 1994-95
(C) 1997-98
(D) 1980-81
29. The prime minister of India is appointed from _____
(A) The leading Party in Lok Sabha
(B) The Leading Party in Rajya Sabha
(C) The leading party in Lok Sabha and Rajya Sabha combined
(D) None of the above
30. The study of interrelations between Organism and their environment is called ____
(A) Biosphere
(B) Ecology
(C) Synecobgy
(D) Autecology
31. The term ICT is now also used to refer to the convergence of
(A) Audio visual

- (B) Telephone network
(C) Both (a) and (b)
(D) None
- 32 Which was the first National Park established in India?
(A) Anshi National Park
(B) Gir National Park
(C) Kanha National Park
(D) Jim Corbett National Park
- 33 Fossil Fuels include
(A) Oil
(B) Natural Gas
(C) Coal
(D) All of the above
- 34 Noise in excess of _____ is called noise pollution
(A) 40-65 db
(B) 60-70 db
(C) 80-100 db
(D) None of the above
- 35 Effectiveness of teaching depends on ____
(A) Handwriting of Teacher
(B) Speaking ability of Teacher
(C) Qualification of the Teacher
(D) Subject Understanding of the Teacher
- 36 Verbal Guidance is least effective in the learning of ____
(A) Aptitudes
(B) Skills

- (C) Attitudes
(D) Relationship
37. The participation of students will be maximum if _____ method is used for teaching.
(A) Text Books
(B) Discussion Method
(C) Conference Method
(D) Lectures
38. The primary responsibility of the teacher's adjustment lies with
(A) The Students
(B) The Principal
(C) The Community
(D) The Teacher himself
39. The First Kindergarten was started by
(A) William James
(B) A D Clinton
(C) Freidrich Forebel
(D) J H Hills
40. In following questions, number series is given. One of the numbers in each series is wrong. After searching wrong number find the correct number in its place.
510, 254, 126, 64, 30, 14, 6
(A) 252
(B) 62
(C) 130
(D) 9
41. Which reasoning determines whether the truth of a conclusion can be determined for that rule, based solely on the truth of the premises?
(A) Deductive

- (B) Inductive
- (C) Abductive
- (D) All

42. Insert the missing number or letter from among the given alternatives.



- (A) 140
 - (B) 280
 - (C) 875
 - (D) 925
43. In the following question assuming the given statements to be true, find out which of the two assumptions I and II given below them is/are definitely true give answer as.
- (A) Only assumption I is implicit
 - (B) Only assumption II is implicit
 - (C) Either I or II is implicit
 - (D) Neither I nor II is implicit
 - (E) Both I and II are implicit

Statement: The State government has decided to appoint four thousand primary school teachers during the next financial year.

Assumptions:

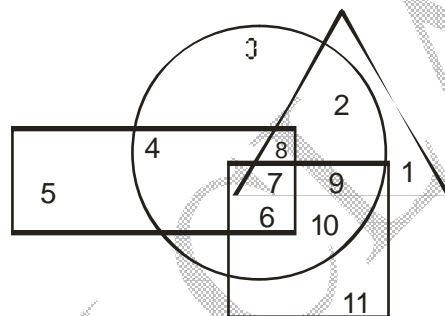
- I. There are enough schools in the state to accommodate four thousand additional primary school teachers.
- II. The eligible candidates may not be interested to apply as the government may not finally appoint such a large number of primary school teachers.

44. What is the latest write-once optical storage media?
- (A) Digital paper

- (B) Magneto-optical disk
- (C) WORM disk
- (D) CD-ROM disk

45. Which of the following identifies a specific web page and its computer on the Web?
- (A) Web site
 - (B) Web site address
 - (C) URL
 - (D) Domain Name

Direction (46-47) In the following figure, rectangle, square, circle and triangle represents the regions of wheat gram, maize and rice cultivation respectively. On the basis of the figure, answer the following questions.



46. Which of the area is cultivated for wheat and maize only?
- (A) 8
 - (B) 6
 - (C) 5
 - (D) 4
47. Which of the area is cultivated for maize only?
- (A) 10
 - (B) 2
 - (C) 3
 - (D) 4

48. Pointing to a photograph. Bajpai said, "He is the son of the only daughter of the father of my brother." How Bajpai is related to the man in the photograph?
- (A) Nephew
(B) Brother
(C) Father
(D) Maternal Uncle
49. Light Year is a unit of:
- (A) Intensity of light
(B) Distance
(C) Time
(D) Planetary motion
50. Tsunamis are huge sea waves caused by :
- (A) Earthquakes
(B) Volcanoes
(C) Winds
(D) Icebergs

ANSWER KEY

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Answer	B	C	A	C	D	A	B	D	A	C	A	B	A	C	D	A	C	D	B	D
Question	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Answer	B	D	C	A	D	A	B	B	A	B	C	D	D	C	D	D	B	D	C	B
Question	41	42	43	44	45	46	47	48	49	50										
Answer	A	D	A	D	D	D	C	D	B	A										

HINTS AND SOLUTIONS

1. (B) An effective and efficient communication system requires managerial proficiency in delivering and receiving messages. A manager must discover various barriers to communication, analyze the reasons for their occurrence and take preventive steps to avoid those barriers. Thus, the primary responsibility of a manager is to develop and maintain an effective communication system in the organization.
2. (C) non verbal communication is communication of feelings, emotions, attitudes, and thoughts through body movements / gestures / eye contact, etc.
3. (A) Phonetics is a part of the English language which helps us to understand sounds of various alphabets. How an alphabet should sound is taught to us with the help of Phonetics.
- 4.(C) $\% \text{ increase} = \frac{0.25 \text{ crore}}{1 \text{ crore}} \times 100$
 $= 25 \%$
- 5.(D) for company A
 $1 + 1.25 + 1.5 + 1.75 + 1.75 + 1.75 + 2$
 $= 11 \text{ crore}$
- 6.(A) $(2.5 - 1) \text{ crores} = 1.5 \times 100 \text{ 00 000}$
 $= 150 \text{ 00 000}$
- 7.(B) Total production of B
 $= 2.5 + 2.5 + 3 + 2.75 + 2.25 + 2.25 + 2.5$
 $= 17.75$
Average production $= \frac{17.75}{7} = 2.55$
- 8.(D) In year 2004.
- 9.(A) If sampled in reconnaissance mode, data limitation requires use of maximums. Results are screening level- not definitive.
- 10.(C) If estimating average concentrations is planned

Exposure units must be defined Must be considered in developing DQOs for project, or results may not be accepted.

Sufficient samples are required 8-10 samples when contaminant concentrations vary within a narrow range 10-15 sample when concentrations are less predictable

Calculate 90th Upper Confidence Limit (UCL)

- 11.(A) Scatter plots Can be used to evaluate if constituents in subsurface are correlated and have the same or different sources.
- 12.(B) Ratio plots Can be used to evaluate if ratios of constituents in subsurface are similar or different from those in indoor/outdoor air, potentially informing decisions about confounding ambient sources.
- 13.(A) Qualitative data collection techniques were used as the primary research methods for this study. Participant and direct observation plus note taking were the most important techniques used.
- 14.(C) qualitative data collection techniques were used as primary research methods. However in order to organize, classify and analyze the gathered information, we used graphs and statistics as a way to measure the students' level of improvement through the use of reading strategies
- 15.(D) Production was at very low level.
- 16.(A) Ethnic diversity of the people was not appropriately realized by the Central Government.
- 17.(C) Central economic planning found to be difficult because autonomy was given to the States in certain matters
- 18.(D) Because that time no common language emerged.
- 19.(B) "The Indianisation of the Indian Civil Service" , can be cited as an exercise in democratic practice in India before Independence
- 20.(D) The information to be collected in survey method are related to present position, aims of the research & the attainment of aim of research

21. (B) Research is done for solving a business problem
22. (D) A research problem is feasible only when it is researchable, it has some utility, and it is new .
23. (C) One of the essential characteristics of research is usability.
- 24.(A)A parliamentary system is a system of democratic government in which the ministers of the Executive Branch derive their legitimacy from and are accountable to a Legislature or parliament; the Executive and Legislative branches are interconnected. It is a political system in which the supreme power lies in a body of citizens who can elect people to represent them.
- 25.(D) The Cabinet approved the proposal for enhancing reservation for women in Panchayats on from the present 33 per cent to 50 per cent with the provision being applicable to all seats filled through direct election, office of chairpersons and of offices reserved for SC/ST.
- 26.(A) IVRI is situated in Izat Nagar.
IAT is situated in Pune
IISc is situated in Bangalore
NIEPA is situated in Delhi.
- 27.(B) Dr. P B Gajendragadkar was chairman of the UGC committee 1969 appointed for administrative legislation of the universities.
- 28.(B) UGC has launched career oriented program in 1994-95.
- 29.(A) The prime minister of India is appointed from the leading Party in Lok Sabha.
- 30.(B) The study of interrelations between Organism and their environment is called ecology.
- 31.(C) The term ICT is now also used to refer to the convergence of audio-visual and telephone networks with computer networks through a single cabling or link system.
- 32.(D) Jim Corbett National Park was the first National Park established in India.

33.(D) Fossil fuels are fuels made by natural processes such as anaerobic decomposition of buried dead organisms.

Ex. Oil, Natural gas, coal etc.

34.(C) Noise in excess of 80-100DB is called noise pollution.

35.(D) Effectiveness of teaching depends on Subject Understanding of the Teacher

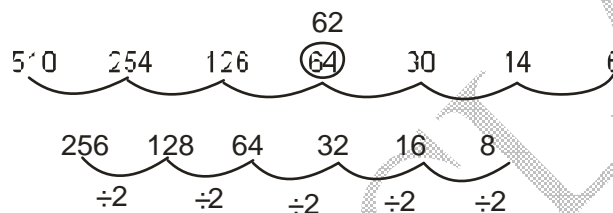
36.(D) Verbal Guidance is least effective in the learning of Relationship.

37. (B) The participation of students will be maximum if Discussion Method is used for teaching.

38.(D) The primary responsibility of the teacher's adjustment lies with The Teacher himself

39.(C) The First Kindergarten was started by Freidrich Forebel

40.(B)



30, 64 is wrong & must be replaced by 62.

41.(A) Deductive reasoning determines whether the truth of a conclusion can be determined for that rule, based solely on the truth of the premises.

42.(D) $(2)^2 = 4$, $(5)^2 = 25 \Rightarrow 425$

$(2)^2 = 4$, $(4)^2 = 16 \Rightarrow 416$

$(3)^2 = 9$, $(5)^2 = 25 \Rightarrow 925$.

43. (A) Such decisions as given in the statement are taken only after taking the existing vacancies into consideration. So, I implicit while II does not implicit.

44.(D) CD-ROM disk is the latest write-once optical storage media

45.(D) Domain Name identifies a specific web page and its computer on the Web.

- 46.(D) The required region is the one which is common only to the rectangle and circle and is not a part of either the triangle or square
- 47.(C) The required region is the one which lies inside the circle but outside the rectangle, square and triangle,
- 48.(D) The man in the photo is the son of the sister of Bajpai. Hence, Bajpai is the maternal uncle of the man in the photograph.
- 49.(B) Light Year is a unit of distance.
- 50.(A) Tsunamis are huge sea waves caused by earthquakes.