

UGC (NET) EXAMINATION PAPER

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1. A 300 metre long train speeds pass a pole in 12 seconds. What is its speed in kilometre per hour?
 (a) 40 km/hrs (b) 72 km/hrs
 (c) 90 km/hrs (d) 120 km/hrs
2. One half of the students study at an Indian University Study German and one-third of the others study French. The remaining 600 do not study any foreign language. How many students are there in this university?
 (a) 720 (b) 1100
 (c) 1800 (d) 2700
3. [If all men are mortal and if Rama is a man, Rama is also mortal]
 (a) the premise is true and the conclusion is true
 (b) the premise is false and the conclusion is false
 (c) the premise is false and the conclusion is true
 (d) the premise is true and the conclusion is false
4. Find out the missing number in the fourth column. Numbers in each column follow the same rule

3	5	6	10
2	4	3	2
1	2	3	2
6	10	18	?

 (a) 20 (b) 30
 (c) 30 (d) 60
5. If P's and Q's ages add up to 42 and P is 10 years junior to R who is 8 years senior to Q. What are the ages of P, Q, R respectively
 (a) 22 yrs, 20 yrs, 24 yrs
 (b) 20 yrs, 22 yrs, 32 yrs
 (c) 12 yrs, 30 yrs, 32 yrs
 (d) 20 yrs, 22 yrs, 30 yrs
6. Which process of communication is the best for controlling noise in a classroom
 (a) saying "don't talk"
 (b) raising one's voice above students voice
 (c) remaining calm and just looking at students
 (d) continue teaching without caring for noisy class
7. Failure of the teacher to communicate his ideals well to the student's may result in to
 (a) classroom indiscipline
 (b) loss of student's interest in the topic being taught
 (c) increased number of absentees in the class
 (d) All of the above
8. Which group of communication aspects does not distort the communication process in the class?
 (a) Reversing—evaluating—focussing
 (b) Evaluating—focussing—illustrating
 (c) Evaluating—focussing—exaggerating
 (d) Focussing—illustrating—exaggerating
9. Good teaching is a function of
 (a) sincerity and devotion to the profession of teaching
 (b) high academic qualification of the teachers
 (c) principal's powerful leadership in the college
 (d) high level scholarship of the teachers
10. In which group the members do not share at all a common property?
 (a) 5372, 3275, 2357, 7325
 (b) 4663, 3657, 5634, 6435
 (c) 3462, 4713, 8304, 4623
 (d) 4583, 5876, 3425, 7254
11. A start with 20 and carry on certain arithmetic operations in sequence. Which of the following sequence of operations will not help to arrive at the same 20
 (a) $+4 \div 8 \times 7 - 1$ (b) $\times 3 + 4 \div 16 \times 5$
 (c) $-7 \times 2 \div 2 + 7$ (d) $+8 \div 14 \times 12 - 3$
12. Introducing a visitor the lady Principal of a college said, 'His wife is the only daughter of my father'. How was that visitor related to the lady

- principal?
- (a) As brother (b) As father-in-law
(c) As husband (d) As maternal uncle
13. If \times means $+$, $-$ means \times , \div means $+$, and $+$ means $-$, then the value of the expression $(3 - 15 \div 11) \times 8 + 6$ will be
(a) 8 (b) 4
(c) 0 (d) 1
14. If A is B's son, B and C are sisters, D is C's mother and E is the son of D, then which of the following statements will be correct?
(a) E and A are cousins
(b) E is the maternal uncle of A
(c) C is A's grandmother
(d) C and E are sisters
15. I am facing South, which of the following sequences of turnings will result in facing me the same direction?
(a) left, right, left, right, left, left, right, right
(b) left, left, right, right, left, right, left, left
(c) right, right, right, left, left, left, right, right
(d) right, left, left, right, left, left, right, left
16. One will have more chances of being successful as a teacher, if
(a) he belongs to the family of teachers
(b) he is trained in teaching
(c) he has ethical values and a good character
(d) he can organise his teaching material systematically and conveys the same effectively
17. Effective teaching is a function of
(a) clear and precise communication
(b) perfect classroom discipline
(c) regular teaching
(d) students self-learning
18. Which of the following is most desirable for a teacher?
(a) "To be principal in the class"
(b) Clear, precise and systematic presentation
(c) "To be strict disciplinarian"
(d) "To be permissive in the class"
19. A good teacher is one who!
(a) is highly intelligent
(b) lives simple life
(c) has mastery over his teaching subject
(d) has genuine interest in his students
20. which of the following is most important for a

teacher?

- (a) Classroom discipline
(b) Subject he is teaching
(c) Students of the class
(d) Time available for teaching
21. Requisite of a good teacher is fulfilled by one who
(a) reads a lot
(b) publishes lots of research paper
(c) teaches well
(d) cooperates well with the principal
22. Which of the following pairs of months will have the same calendar
(a) January-October (b) April-November
(c) July-October (d) March-August
23. If $879 = 8$, $625 = 3$ and $586 = 9$, what is 785?
(a) 7 (b) 0
(c) 9 (d) 6
24. Find out the number that does not have the same property shared by others.
(a) 6385 (b) 7496
(c) 3658 (d) 4659

Directions (Qs. Nos. 25 to 27) : Find out the number that comes next and complete the series.

25. 9, 25, 49, 81, 121,
(a) 144 (b) 81
(c) 156 (d) 169
26. 4, 2, 5, 1, 6,
(a) zero (b) 7
(c) 9 (d) 11
27. 1, 2, 5,
(a) 10 (b) 9
(c) 8 (d) 15
28. If $5 \times 4 = 15$, $7 \times 8 = 49$ and $6 \times 5 = 24$, what will 8×4 be
(a) 24 (b) 64
(c) 28 (d) 30

Directions (Qs. Nos. 29 to 30) : There exists some relationship between the terms to the left of the Sign $::$, as between the terms to its right. Identify the missing term.

29. ADE : FGJ :: KNO : ?
(a) PQT (b) PQR
(c) STQ (d) PRS
30. ABC : ZYX :: CBA : ?
(a) ZXY (b) BCA
(c) XYZ (d) XZY

Directions : Two objects or events are related in some way. You have to pick out only that option which has the same type of relationship as stated in Qs. Nos. 31 to 32.

31. Free and forest
(a) Ocean and ships
(b) Books and letters
(c) Books and library
(d) Boys and teacher
32. Pulp and paper
(a) Yarn and fabric
(b) Iron and wood
(c) Wood and furniture
(d) (a) and (c)
33. Five books are kept on each other. It is at A, C is below B. If A is above B and D is below C, then which is at the top?
(a) E (b) D
(c) B (d) A
34. In a row of boys, Subhash is 14th from the left, now he changes his position in such a way that 3 more boys from his right stand to his left and he becomes 10th from his left. How many boys are there in the row?
(a) 18 (b) 19
(c) 23 (d) 20
35. What will be the angle between two hands of a clock at 8:30?
(a) 60° (b) 45°
(c) 75° (d) 35°
36. How many Tuesday are possible if the last day of the month is Wednesday?
(a) 4 only (b) 5 and 4 both
(c) 5 only (d) 3 only
37. In a group of five person A, B, C, D and E one plays tennis, one plays chess and one hockey. A and D are unmarried women and play no game. There is a couple among them where E is husband of C. No women play either chess or Hockey. B is the brother of C and he neither plays tennis nor chess. Who plays hockey here
(a) A (b) B
(c) C (d) E

Directions (Qs. Nos. 38 to 41) : Read the following passage and answer the following questions.

When our childhood has fallen behind us and

taken on some of the glamour of distance, we often ransack our memories in order to call up to our mind's eye the picture of the children we were. Then we are surprised to discover how little we remember of our earliest days: they have gone for ever and seemingly have left nothing behind them. All is lost in haze and no definite image rewards our efforts to recapture the incidents of infancy.

Some, however, can recall more than others: one man may remember something that happened when he was only a child of two while another may find his memory blank — a clean sheet of paper as far as anything is concerned which befell him before he was five yet perhaps, as regards things generally, the memory of the latter may be stronger than that of the former. It is only in regard to his early childhood that the first man's memory is stronger.

38. The author wishes to say that
(a) childhood is an age of glamour
(b) people, generally forget childhood events
(c) there are variations in people's memories of childhood events
(d) people have different kinds of experiences in their childhood
39. The focus of the passage is on
(a) people desiring to recall events of childhood
(b) factors of differences in childhood memories
(c) different types of memories
(d) characteristics of childhood memories
40. The most important factor that affects recall of childhood experiences according to the author
(a) age of the people
(b) insight and vision of the people
(c) rate of mental growth and development
(d) nature and circumstances under which childhood events take place
41. According to the author
(a) we draw blank when and where our childhood memories are concerned
(b) those who have stronger memories of the childhood are stronger in their later memories also
(c) childhood memories can be called up by introspection

- (d) it is not possible to recapture the incidents of infancy.

Directions : Yearly income of three men and two women is given below in the table. Read the figures and answer the Questions 42 to 45.

Name	Income (in Rupees)			
	Year 1990	Year 1991	Year 1992	Year 1993
Ajay	1,200	1,600	2,000	2,400
Abhay	1,000	1,400	1,800	2,000
Ranjit	900	1,200	1,500	2,000
Neha	2,000	2,500	3,000	3,700
Sarita	1,200	1,200	1,500	1,700

42. Whose average income for all the four years is Rs.1400?
- (a) Ajay's alone
(b) Ajay's and Abhay's both
(c) Ranjit's and Sarita's both
(d) Sarita's alone
43. How high is the total average income for four years of men as compared to that of women?
- (a) 2133.34 (b) 3500.44
(c) 4320.54 (d) 5440.82
44. What is in round figure, the ratio between the total income on men and that of women for all years?
- (a) 14:15 (b) 15:16
(c) 23:21 (d) 16:14
45. Can we say that men earn more than women?
- (a) Yes
(b) No
(c) Not sure
(d) Difference is not very significant

Directions (Qs. Nos. 46 to 50) : In each one of the questions given below, one Statement and two Assumptions have been given. The Assumptions follow the Statement and have been shown against serial Numbers I and II. Any accepted and assumed fact is called Assumption. You have to keep the Statement and the two Assumptions in full view. Decide, which one of these Assumptions is inherent in the Statement given before them.

46. **Statement :** Poor people of India prefer to use jaggery (gur) The government has decided to stop the distribution of sugar through the Pub-

lic Distribution System (PDS) and thus, decontrol it.

Assumptions :

- All the poor people get jaggery (gur) at reasonable rates and quite easily.
 - The public Distribution System (PDS) has lost its utility.
- (a) Only Assumption I is inherent
(b) Only Assumption II is inherent
(c) Either Assumption I or Assumption II is inherent
(d) Both Assumption I and Assumption II are inherent

47. **Statement :** Till the time the country 'X' does not achieve full literacy, it cannot achieve its target of development.

Assumptions :

- It is possible to achieve 100 per cent literacy in country 'X'
 - Development is not possible without a proper mission
- (a) Only Assumption I is inherent
(b) Only Assumption II is inherent
(c) Either Assumption I or Assumption II is inherent
(d) Both Assumption I and Assumption II are inherent

48. **Statement :** Many species of animals, which are found on our earth, have not been scientifically studied till date; and if we do not execute this task now, many species may be become extinct.

Assumptions :

- It is possible that all types of life may soon come to an end of the earth
 - It is desired and also possible to study the species of many animals
- (a) Only Assumption I is inherent
(b) Only Assumption II is inherent
(c) Either Assumption I or Assumption II is inherent
(d) Both Assumption I and Assumption II are inherent

49. **Statement :** Believe me, I have read it in the daily newspaper 'A'

Assumptions :

- Daily newspaper 'A' gives reliable informa-

- tion/news
11. I am telling exactly the same thing, which was given in the daily newspaper 'A'.
- (a) Only Assumption I is inherent
 (b) Only Assumption II is inherent
 (c) Either Assumption I or Assumption II is inherent
 (d) Both Assumption I and Assumption II are inherent
50. **Statement :** In order to eliminate the ailments of the human race, herbs and plants can be used

quite safely.

Assumptions :

1. Herbs and plants cannot be used to eliminate the ailments of animals
 (f) The therapy of treatment by herbs and plants is becoming popular
 (a) Only Assumption I is inherent
 (b) Only Assumption II is inherent
 (c) Either Assumption I or Assumption II is inherent
 (d) Neither Assumption I nor Assumption II are inherent.

EXPLANATORY ANSWERS

1. (c) : $\frac{300 \times 3600}{12 \times 1000} = 90 \text{ km/h.}$
2. (e) : 3. (a) : 4. (c) : 5. (d) : 6. (c) :
 7. (d) : 8. (d) : 9. (a) :
10. (b) : In group (a) the same number, i.e., 5, 7, 3, 2 are repeated in different ways and the total of all four digits is 17 everywhere. In group (c) the total of all the four numbers everywhere is fifteen. And in group (d) 1st + 2nd number is equal to 3rd + 4th number everywhere.
11. (d) :
12. (c) : Principal's father has lone daughter who is the wife of that man.
13. (d) : 14. (b) : 15. (a) : 16. (d) : 17. (a) :
 18. (c) : 19. (d) : 20. (c) : 21. (c) : 22. (d) :
 23. (b) : 24. (d) : 25. (d) : 26. (a) :
 27. (a) : $0^2 + 1 = 1$

- $1^2 + 1 = 2$
 $2^2 + 1 = 5$
 $3^2 + 1 = 10$
28. (a) : $5 \times (4 - 1) = 15$
 $7 \times (8 - 1) = 49$
 $6 \times (5 - 1) = 24$
 $8 \times (4 - 1) = 24$
29. (a) : 30. (c) : 31. (c) : 32. (d) : 33. (a) :
 34. (d) : $(1 \times 3 + 3 = 20 \text{ boys})$
 35. (c) :
 36. (b) : First Wednesday of the month will be 31, 28 = 1 or 3rd of the month. On the 2nd it will be Tuesday. In case of 31 or 30 days month 5 Tuesday are possible but in case of 28 days month only four Tuesday are possible.
37. (b) : 38. (c) : 39. (b) : 40. (d) : 41. (c) :
 42. (c) : 43. (a) : 44. (d) : 45. (c) : 46. (d) :
 47. (c) : 48. (b) : 49. (d) : 50. (d) :