



POORNIMA UNIVERSITY

Entrance Test for Doctoral Program, 2012 -13 (Even Semester)		
Max. Marks : 100 Time : 1 Hours	Paper - I	Date: 15/01/2013
Name: School & Area:		
Signature of Invigilator:		
Marks Obtained: Name and Signature of Examiner:		

Instructions to the Candidate

- 1 The Entrance Test for Doctoral Program for Even Semester of academic Session 2012-13 consist of two parts: Paper I and Paper II. Each paper is of 01 hour duration and 100 marks.
- 2 Paper I is an objective paper. In each question one choice is correct out of the four alternative choices. The choice for the answers should be ticked properly on the question paper itself.
- 3 Paper I consists of 50 questions of 2 marks each. There is **no negative marking** for wrong answer, but in case of any ambiguity / duplicity / unclarity in ticking, no marks will be allotted to that question.
- 4 Calculator and mobile phones are not allowed in the examination hall.
- 5 No candidate is allowed to leave the examination hall before one hour from the commencement of the examination

1. The most important function of a teacher is to
 - A facilitate learning,
 - B manage instructional resources
 - C coordinate curricular activities
 - D provide information
2. It is popularly said that any two students are not alike. This implies that they differ in their
 - A physical and mental set up
 - B aptitude
 - C social status
 - D attitude
3. Of the following learning theories, the one that embodies the idea that the learning takes place through insight is known as
 - A Gestalt
 - B Stimulus-Response
 - C Connectionist
 - D Pragmatic
4. Which of the following is not a type of the learned motives?
 - A Reflexes
 - B Habits
 - C Attitude
 - D Interest
5. Out of the following, in which lesson, a general rule is explained first and then examples are illustrated?
 - A Deductive lesson
 - B Inductive lesson
 - C Cognitive lesson
 - D Skill lesson
6. Counselling is provided to assist an individual
 - A To diagnose learning deficiencies
 - B To understand and solve
 - C To develop insight
 - D to develop the personality
7. The lowest level of Taxonomy of Educational Objectives of Cognitive Domain given by Bloom is
 - A Knowledge
 - B Comprehension
 - C Application
 - D Analysis
8. Instructional objectives are useful to
 - A Teachers
 - B Students
 - C Question paper setters
 - D All of the above
9. The objectives of a Curriculum are to be stated in terms of
 - A Students entering behaviour
 - B Students terminal behaviour
 - C Teachers behaviour
 - D Learning process
10. Which of the following is a characteristic of a good test?
 - A Validity
 - B Reliability
 - C Usability
 - D All of the above
11. Which of the following is the most read page of a thesis?
 - A Title page
 - B Table of contents
 - C Abstract
 - D Research Design
12. A statistical measure based upon the entire population is called parameter while

a measure based upon a sample is known as

- A Sample parameter
- B Inference
- C Statistic
- D None of these

13. Ordinarily a good piece of research follows four phases. They are given below:

- (i) Setting of objectives
- (ii) Analysing data
- (iii) Collecting data
- (iv) Interpreting the findings

Which of the following orders for these phases is correct?

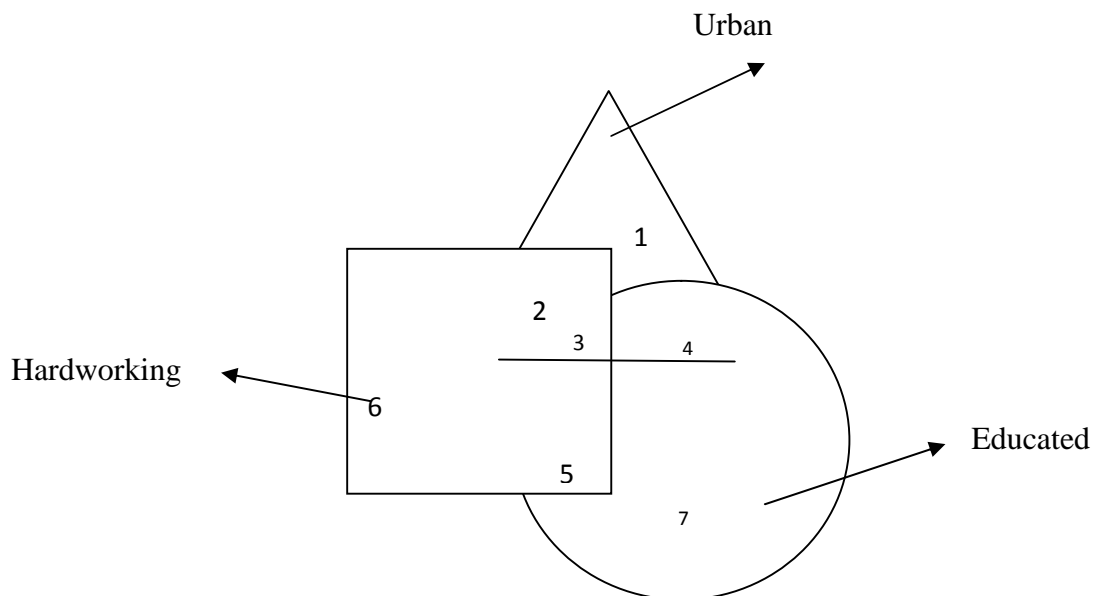
- A (iii), (i), (iv), & (ii)
- B (i), (iii), (ii), & (iv)
- C (i), (ii), (iii), & (iv)
- D (ii), (iv), (iii) & (i)

14. Statement : All students are not dishonest

Conclusion: A few students are dishonest

- A Conclusion is true
- B Conclusion is false
- C Conclusion is doubtful
- D Conclusion is irrelevant

15. Study the following figure carefully and answer the questions 16 -18:



16. Urban educated who are not hard working

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

17. Hardworking urban who are not educated

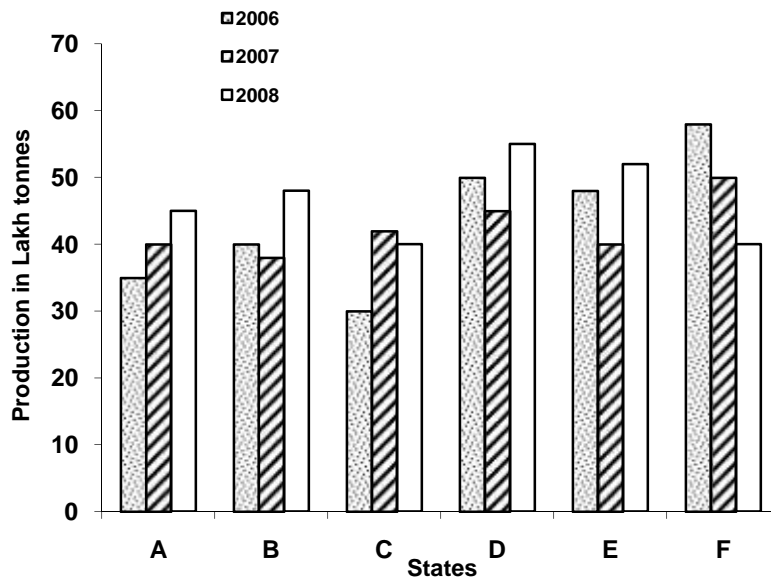
- | | |
|-----|-----|
| A 1 | B 2 |
| C 5 | D 7 |

18. Urban who are neither educated nor hardworking

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

Directions (19-24): Study the following graph carefully and answer the questions given below it.

Production of grain X by six states in three years 2006, 2007, 2008.



19. What is the ratio of lowest production to the highest production for any of the given states in any of the given years?

- | | |
|-------|-------|
| A 1:2 | B 2:3 |
| C 1:3 | D 2:5 |

20. What is the difference between the average productions of all the states in 2007 and the average production of all the states in 2008 rounded off to the nearest whole number?

- | | |
|-----|-----|
| A 2 | B 6 |
| C 4 | D 5 |

21. Percent rise / fall in production from 2007 to 2008 is the lowest for which of the following state?

- | | |
|-----|-----|
| A A | B C |
| C E | D F |

22. Total production of all the states together in 2008 is approximately what % of total production of all the states together in 2007?
- | | |
|--------|--------|
| A 90% | B 75% |
| C 120% | D 110% |
23. Production of state 'A' in the three years together is what percent of the production of state 'F' in the three years together?
- | | |
|--------|--------|
| A 120% | B 108% |
| C 92% | D 80% |
24. The role of National Board of Accreditation is to
- | | |
|-------------------------------|----------------------------|
| A Sanction funds for projects | B Ensure quality assurance |
| C Grant affiliation | D Grant approval |
25. National Assessment and Accreditation Council, an autonomous body, has been established by
- | | |
|---------|-------|
| A AICTE | B UGC |
| C ISTE | D NBA |
26. The expansion of NPTEL is
- | |
|--|
| A National Program for Technology Enhanced Learning |
| B National Project for Technology Enabled Learning |
| C National Program for Technical Education Learning |
| D National Project for Technician Education Learning |
27. Directorate of Technical Education is an organization established by
- | | |
|--|-----------------------|
| A State Government | B Government of India |
| C Indian Society for Technical Education | |
| D Indian National Academy of Engineering | |
28. The average number of runs given per wicket was 35 runs for a bowler who had taken a total of 45 wickets before the start of a match. If the bowler took 5 wickets in the match by giving away 60 runs, find the new average number of runs per wicket for the bowler?
- | | |
|--------|-----------------|
| A. 40 | B 32.7 |
| C 43.5 | D None of These |
29. The speed of a boat in still water is 7 kmph and the speed of the stream is 2 kmph. If the Boat travels a distance of 35 km upstream, find the distance covered by the boat in the same time while going downstream?
- | | |
|----------|---------|
| A. 49 km | B 54 km |
|----------|---------|

C 63 km

D 81 km

30. What will be the day on the 1st of January 2030?

A. Sunday

B Monday

C Tuesday

D Wednesday

31. The last Commonwealth Games were held at

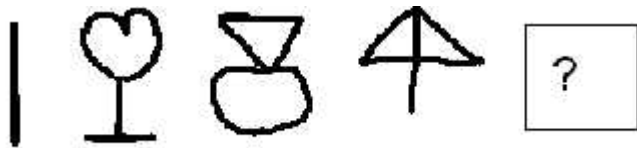
A. Adelaide

B New Delhi

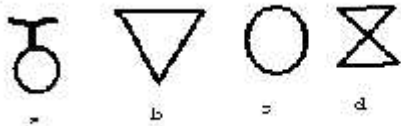
C London

D Guyana

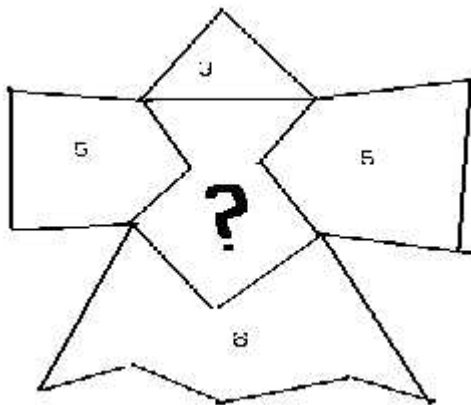
32. Following figures are in a serial . Find the missing figure



Answers



33. Find the missing number



A 6

B 8

C 7

D 9

35. Find the odd man out

A., E , I.O , U

A. A ,

B. E,

C. I,

D. None of the above

36. Find the odd man out
 A. Cut
 B. Put
 C. Nut
 D. But
37. Find the next letters of the following series
 O , T, T , F, F , S ,
 A S N
 B. SE
 C. S T
 D. SO
- 38 Find the next letter of the following series
 J, F, M, A, M, J, J
 A. J,
 B. A,
 C. S,
 D. O
- 39 Find the next letter of the following series
 M,T,W,T,F,.....
 A. A ,
 B. B,
 C. S,
 D. H
40. Find odd Man out
 1,2,3,5
 A. only 1
 B. only 2
 C. 1& 2
 D. none of the above
41. Find the multiplication of
 $3 \times 9 \times 27 \times 81 \times 243 \times \dots \times 59049$
 A. 3^{45}
 B. 3^{55}
 C. 3^{66}
 D. 3^{50}
42. Which inert element is used in balloon ?
 A. Hydrogen
 B. Helium
 C. Hot air
 D. Fluorine
43. Bhangra. is the folk dance of
 A. Maharashtra
 B. Orissa
 C. Punjab
 D. West Bengal
44. The colour that denotes .go. in a traffic signal is
 A red
 B yellow

45. The city known as .Orange city. is
C green
A Jaipur
C Mumbai
D white
B Jodhpur
D Nagpur
46. .Pony. is the young one of
A horse
C lion
B cat
D cow
47. .Googly. is a term related to
A chess
C cricket
B basket ball
D tennis
48. .Earth day. is celebrated on
A May 22
C June 22
B April 22
D July 22
49. Who is the first non-Indian to receive the Bharat Ratna?
A Martin Luther King
C Khan Abdul Gaffar Khan
B Mother Teresa
D Zubin Mehta
50. How many years did Nehru spend in jail?
A Ten
C Eleven
B Nine
D Eight