

HALL TICKET NO:



ST. ANTHONY'S COLLEGE, SHILLONG

ENTRANCE TEST FOR ADMISSION INTO

Post Graduate Diploma in Computer Applications 2005

DATE : 13 June 2005
TIME : 1.00 pm
DURATION : 2 hours

INSTRUCTIONS

- ø There are 35 questions in this test.
- ø **Write the steps to arrive at the correct answer to these questions.** Each question carries 4 marks.
- ø The candidate is to answer as many questions as possible in the allotted time.
- ø The required rough work may be done on the sheet that is provided for the purpose.
- ø Make sure that you have entered the hall ticket number properly in the place provided in the answer sheet.
- ø Please preserve your hall tickets. They will be required at the time of admission.
- ø The hall ticket numbers of those shortlisted for admission on the basis of the entrance test will be published on the college notice boards and on the college web site on 14 June, 2005. The final admission will be done on a first come, first served basis.

5. Mrinal Kelkar is a Post-Graduate in Business Management and has been working in a company for the last twelve years as personnel manager. He has worked as a guest speaker in similar programmes in the past. He will be 43 years old as on 5th May 1996.

6. Proloy Saha is a Ph. D in Psychology and has been working in an organization for the last six years as personnel manager. He has worked as a guest speaker in similar programmes in the past. His date of birth is 27.6.1952.

7. Asha Sachdev is a Post-Graduate in Personnel Management and has been teaching in an Institute for the last 10 years. She has never worked as a guest speaker in similar programmes in the past. She was born on 19th October 1948.

8. Find the sequence that will come in place of the question mark (?) in the following series
(6 C 7), (8 F 10), (11 J 14), (15 O 19), ?

9. If the first half of the alphabet is written in the reverse order, which letter will be exactly midway between the 9th letter from the left and the 10th letter from the right end?

10. How many 9's are there in the following number series which is immediately preceded by 3 and followed by 6?

3, 9, 6, 9, 3, 9, 3, 9, 3, 9, 6, 3, 6, 3, 9, 5, 6, 9, 5, 6, 9, 3, 9, 6, 3, 9

11. In a certain code language, "jen topee" means "good morning", "sao seng" means "very good" and "sao seng nus" means "very and good". What is the code for "and" in this language?

12. Which number will be placed at the sign of interrogation in the following series?

8, 13, 23, 43, 83, ?

13. From a point Rajneesh started walking towards East and walked 35 meters. He then turned towards his right and walked 20 meters and he again turned right and walked 35 meters. Finally he turned his left and walked 20 meters and he reached at his destination. Now, how far is he from his starting point?

14. Rama remembers that she met her brother on Saturday, which was after the 20th day of any particular month. If the 1st day of that month was Tuesday, then on which date Rama met her brother?

15. If + means \times , - means \div , \div means + and \times means - then what will be the value of $16 \div 64 - 4 \times 4 + 3 = ?$

Directions for questions 16 to 20: Read the following information to answer the questions given below-

- i) Eleven students A, B, C, C, E, F, G, H, I, J and K are sitting in the first row facing towards a lecturer in a lecture hall.
- ii) D is sitting just left of F and is second to the right of C.
- iii) E is sitting at an end and is second to the left of A.
- iv) J is immediate neighbour of A and B and is third to the left of G.
- v) H is sitting just left of D and is third to the right of I.

Draw a sketch to represent the positions of the eleven students.

16. Who were sitting at both ends?

17. Who is the group of four students sitting just right from C?

18. Who is sitting in the middle of the row?

19. In the sitting arrangement, which of the given statements i.e i) to v), is superfluous (if any)?

20. In the sitting arrangement, who are the group of three sitting immediate to the left of C?

Directions for questions 21 to 25: Read the following information to answer the given questions

- i) A, B, C, D, E and F are the six members in the family. There are two pairs of couples in the group.
- ii) There are two Engineers, one Teacher, one Sociologist and two Artists. Both Engineers are of the same sex.
- iii) A and C are in the same profession.
- iv) The Teacher is married to the Engineer and an Artist is married to the Lady Sociologist.
- v) A is an Artist. E is a male Engineer, Both of them are unmarried.
- vi) F is B's husband.

Make a table to represent the family relations and professions of A, B, C, D, E and F.

21. Who is married to the Teacher?

22. Who is Sociologist by profession?

23. Name the couples in the family.

24. Is any of the given information superfluous? If yes, specify it and give reasons for your answer.

25. What is the profession of B?

Directions for questions 26 to 28: Read the following information and answer the questions given below.

$A+B$ means A is the daughter of B; $A-B$ means A is the husband of B; $A \wedge B$ means A is the brother of B.

26. If $P \wedge Q + R$, what is the relation of P with R?

27. If $P + Q \wedge R$, what is the relation of P with R?

28. If $P + Q - R$, what is the relation of P with R?]

29. Manish remembers that his father had called him after the 16th but before the 21st of the month, while Suresh remembers that father had called after the 19th but before the 22nd. On which day had father called?

30. What will be the middle digit of the number that comes in the middle after arranging the following numbers in the descending order 789, 723, 659, 595, 713, 785, 689?

Directions for questions 31 to 35: A training college has to conduct a refresher course for teachers of seven different subjects — education, psychology, philosophy, sociology, economics, science and engineering from 22nd to 29th July.

- i) Course should start with Psychology.
- ii) 23rd July being Sunday is a holiday.
- iii) Science subject should be on the previous day of the engineering subject.
- iv) Philosophy should be immediately after the holiday.
- v) There should be a gap of one day between economics and engineering.
- vi) Education is on the last day.

Make a schedule for refresher courses.

31. The refresher course should start with which subject?

32. Which subject will be on Tuesday?

33. Which subject precedes education?

34. How many days gap is there between science and philosophy?

35. Science follows which subject?