

## **OPENMAT (XX) Entrance Test for Management Programmes 2006**

*Total No. of Questions = 200*

*Time : 180 Minutes*

- All questions are compulsory.
- Use of calculator is not allowed. Rough work may be done in the space provided at the back of the Test booklet.
- The Test booklet has the following 4 tests :

Test-I	General Awareness	No. of Questions 30
Test-II	English Language	No. of Questions 50
Test-III	Quantitative Aptitude	No. of Questions 50
Test-IV	Reasoning	No. of Questions 70

Read the instructions given on the OMR Response Sheet carefully before you start.

**How to fill up the information on the OMR Response Sheet  
(Examination Answer Sheet)**

1. Write your complete enrolment no. in 9 digits. This should correspond to the enrolment number indicated by you on the OMR Response Sheet. Also write your correct name, address with pin code in the space provided. Put your signatures on the OMR Response Sheet with date. Ensure that the Invigilator in your examination hall also puts his signatures with date on the OMR Response Sheet at the space provided.
2. On the OMR Response Sheet student's particulars are to be filled in by pen. However use HB pencil for writing the Enrolment No. and Examination Centre Code as well as for blackening the rectangle bearing the correct answer number against the serial number of the question.
3. Do not make any stray remarks on this sheet.
4. Write correct information in numerical digit in Enrolment No. and Examination Centre Code columns. The corresponding rectangle should be dark enough and should be filled in completely.
5. Each question is followed by four probable answers which are numbered 1, 2, 3 & 4. You should select and show only one answer to each question considered by you as the most appropriate or the correct answer. Select the most appropriate answer. Then by using HB pencil, blacken the rectangle bearing the correct answer number against the serial number of the question. If you find that answer to any question is none of the four alternatives given under the question you should darken the rectangle '0'.
6. If you wish to change your answer, ERASE completely the already darkened rectangle by using a good quality eraser and then blacken the rectangle bearing your revised answer number. If incorrect answer is not erased completely, smudges will be left on the erased rectangle and the question will be read as having two answers and will be ignored for giving any credit.
7. No credit will be given if more than one answer is given for one question. Therefore, you should select the most appropriate answer.
8. You should not spend too much time on any one question. If you find any particular question difficult, leave it and go to the next. If you have time left after answering all the questions, you may go back to the unanswered ones. There is no negative marking for wrong answers.

## GENERAL INSTRUCTIONS

1. No cell phones, calculators, books, slide-rules, note-books or written notes, etc. will be allowed inside the examination hall.
2. You should follow the instructions given by the Centre Superintendent and by the Invigilator at the examination venue. If you violate the instructions you will be disqualified.
3. Any candidate found copying or receiving or giving assistance in the examination will be disqualified.
4. The Test Booklet and the OMR Response Sheet (Answer Sheet) would be supplied to you by the Invigilators. After the examination is over, you should hand over the OMR Response Sheet to the Invigilator before leaving the examination hall. Any candidate who does not return the OMR Response Sheet will be disqualified and the University may take further action against him/her.
5. All rough work is to be done on the test booklet itself and not on any other paper. Scrap paper is not permitted. For arriving at answers you may work in the margins, make some markings or underline in the test booklet itself.
6. The University reserves the right to cancel scores of any candidate who impersonates or uses/adopts other malpractices or uses any unfair means. The examination is conducted under uniform conditions. The University would also follow a procedure to verify the validity of scores of all examinees uniformly. If there is substantial indication that your performance is not genuine, the University may cancel your score.
7. Candidates should bring their hall tickets duly affixed with their latest photograph to appear in the test. The photograph should be attested by a Gazetted Officer, failing which you will not be allowed to take the examination. It should be got signed by the Invigilator. In the event of your qualifying the Entrance Test, this hall ticket should be enclosed with your admission form while submitting it to the University for seeking admission in Management Programme along with your testimonials and programme fee. Admission forms received without hall ticket in original will be summarily rejected.

**TEST I**  
**GENERAL AWARENESS**

1. "Lay-up shot" is a term associated with which of the following games ?
  - (1) Volleyball
  - (2) Throwball
  - (3) Basketball
  - (4) Hand Ball
2. Alexander the Great died in 323 B.C. in
  - (1) Persia
  - (2) Babylon
  - (3) Macedonia
  - (4) Taxila
3. The scientist who was associated with the foodgrain revolution and also won the Nobel Prize for Peace is
  - (1) Dr. M.S. Swaminathan
  - (2) Dr. N.E. Borlaug
  - (3) Dr. S. Chandrashekhar
  - (4) Willy Brandt
4. The first Indian ruler who accepted Subsidiary Alliance offered by Lord Wellesley in 1798 was
  - (1) Nawab of Oudh
  - (2) Nizam of Hyderabad
  - (3) Nawab of Carnatic
  - (4) King of Mysore
5. Bats can sense obstacles because they produce
  - (1) Supersonic sound waves
  - (2) Ultrasonic sound waves
  - (3) Infrasonic sound waves
  - (4) Micro sound waves
6. Which of these is a modified underground stem ?
  - (1) Radish
  - (2) Carrot
  - (3) Sweet potato
  - (4) Potato

7. Who has authored the book '*Caesar and Cleopatra*' ?
- (1) William Shakespeare
  - (2) Charles Dickens
  - (3) George Bernard Shaw
  - (4) Matthew Arnold
8. Which amendments to the Constitution provide for the reservation of one-third seats in the Municipal Boards and Village Panchayats for women ?
- (1) 73<sup>rd</sup> and 74<sup>th</sup>
  - (2) 82<sup>nd</sup> and 83<sup>rd</sup>
  - (3) 72<sup>nd</sup> and 73<sup>rd</sup>
  - (4) 74<sup>th</sup> and 75<sup>th</sup>
9. In the electroplating of gold the electrolyte used is
- (1) Potassium Aurocyanide
  - (2) Gold Chloride
  - (3) Gold Sulphate
  - (4) Gold Nitrate
10. The food conducting tissue of a plant is
- (1) Phloem
  - (2) Xylem
  - (3) Parenchyma
  - (4) Collenchyma
11. Which of the following was the venue of the Commonwealth Games in 2006 ?
- (1) Manchester
  - (2) Edmonton
  - (3) Hamilton
  - (4) Melbourne
12. In which of the following categories of crops are Rice and Bajra included ?
- (1) Rabi
  - (2) Kharif
  - (3) Zaid
  - (4) Plantation
13. Who was the recipient of David Dixon Award at the Commonwealth Games 2006 ?
- (1) Abhinav Bindra
  - (2) Jeev Milkha Singh
  - (3) Samresh Jung
  - (4) Anju Bobby George

14. Who among the following cricketers has been named the 'Leading Cricketer of the World' by 'Wisden' for 2005 ?
- (1) Adam Gilchrist
  - (2) Andrew Flintoff
  - (3) M.S. Dhoni
  - (4) Brian Lara
15. The Gupta King, who assumed the title of 'Vikramaditya' was
- (1) Skandgupta
  - (2) Samudragupta
  - (3) Chandragupta-II
  - (4) Kumaragupta
16. Radioactivity is caused due to
- (1) Unstable Nucleus
  - (2) Unstable Electronic Configuration
  - (3) Stable Nucleus
  - (4) Stable Electronic Configuration
17. When the post of the President and the Vice-President both are vacant, then who among the following officiates as the President ?
- (1) The Chief Justice of India
  - (2) The Prime Minister
  - (3) The Speaker of the Lok Sabha
  - (4) Dy. Chairman of the Rajya Sabha
18. The name of the Plastic Polymer from which combs, toys, bowls etc. are made, is
- (1) Polyurethane
  - (2) Polystyrene
  - (3) Metallic polysulphides
  - (4) Polysulphide
19. The Delhi Sultan who fell to death while playing Polo, was
- (1) Qutubuddin Aibak
  - (2) Alauddin Khilji
  - (3) Feroz Shah Tughlaq
  - (4) Ghiasuddin Tughlaq

20. The surface tension of water, on adding detergent to it
- (1) increases
  - (2) decreases
  - (3) becomes zero
  - (4) shows no change
21. In the upper layer of the atmosphere, ozone is formed by
- (1) the action of U.V. rays on oxygen
  - (2) the combination of oxygen molecules
  - (3) subjecting oxygen to high pressure
  - (4) the action of nitrogen on oxygen
22. If the Speaker of the Lok Sabha wishes to tender his resignation, then he has to address his letter to
- (1) The Leader of the House
  - (2) The President of India
  - (3) The Dy. Speaker of the House
  - (4) The Chairman of the Rajya Sabha
23. Who was the Prime Minister of India when the Anti-Defection Bill was passed ?
- (1) I.K. Gujral
  - (2) H.D. Deve Gowda
  - (3) V.P. Singh
  - (4) A.B. Vajpayee
24. Which of the following pairs is **not** correctly matched ?
- |  |   |      |
|--|---|------|
| (1) Partition of Bengal                                | — | 1905 |
| (2) Foundation of Muslim League                        | — | 1906 |
| (3) Surat Split  | — | 1907 |
| (4) Transfer of India's Capital from Calcutta to Delhi | — | 1909 |
25. Which organ of the human body breaks down the old RBCs and stores iron from them ?
- |              |                  |
|--------------|------------------|
| (1) Kidney   | (2) Gall bladder |
| (3) Pancreas | (4) Spleen       |

26. Which of the following has the longest wavelength ?
- (1) Ultraviolet radiation
  - (2) Gamma radiation
  - (3) Visible radiation
  - (4) Infrared radiation
27. The book '*Algebra of Infinite Justice*' was written by
- (1) M. Chandrashekhhar
  - (2) Nelson Mandela
  - (3) Arundhati Roy
  - (4) Aung San Suu Kyi
28. Which of the following types of forests is most widespread in India ?
- (1) Mangrove
  - (2) Thorn scrub
  - (3) Tropical dry deciduous
  - (4) Tropical wet evergreen
29. Which of the following days is celebrated as the 'World Environment Day' ?
- (1) April 7
  - (2) May 5
  - (3) June 5
  - (4) July 7
30. What was India's percentage share in world exports for the year 2005 ?
- (1) 0.4%
  - (2) 0.6%
  - (3) 0.8%
  - (4) 1.0%