



S P Jain
School of Global
Management

DUBAI • SINGAPORE • SYDNEY

S P JAIN EXECUTIVE MBA EVALUATIONS

Code No.201402

Time: 75 MINS

Please fill in the following information :

STUDENT NAME

S P JAIN'S EMBA APPLICATION NUMBER: _____

1. Please check the number of questions before you start answering
2. Please tick the right answer or write the correct answer where applicable
3. All rough work to be done only on the blank sheet provided at the back of the question booklet. Please do NOT do any rough work on the question paper.
4. Laptops, calculators, slide rules, log tables, watch calculators, papers, cellular phones etc are not allowed inside the examination hall
5. You will not be allowed to leave the examination hall during the examination
6. Any candidate found violating the instructions and receiving/giving any form of help will be disqualified

The decision of S P Jain will be final and binding.

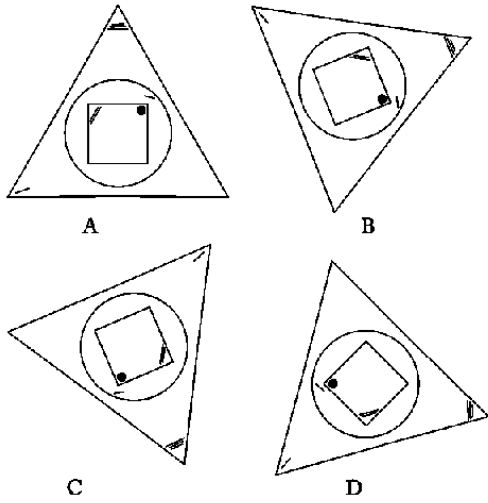
Signature of Invigilator

APPROPRIATION OF MARKS

Section	No. of Questions	Marks per question	Total Marks per Section	Actual	Indicative time
Diagrammatic Reasoning	4	1	4		15 mins
Logic	4	1	4		10 mins
IQ	4	1	4		10 mins
Numeracy	4	1	4		10 mins
Reading Comprehension	4	1	4		10 mins
GK Questions	20	1	20		10 mins
Essay	1	10	10		10 mins
Total			50		75 mins

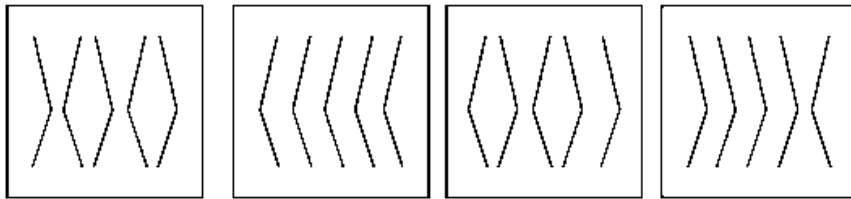
DIAGRAMMATIC REASONING (4Q x 1 marks = 4 marks)

1. Which is the odd one out of the below four diagrams?

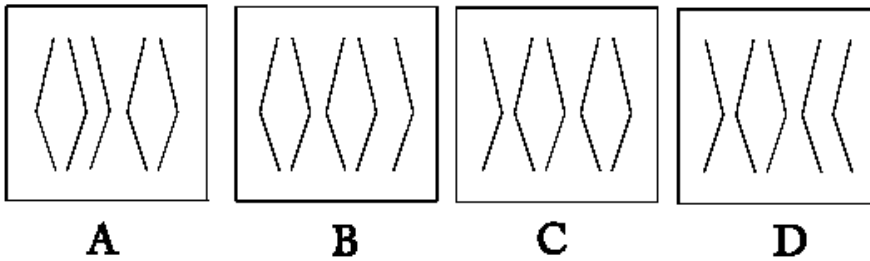


(**D**)

2.

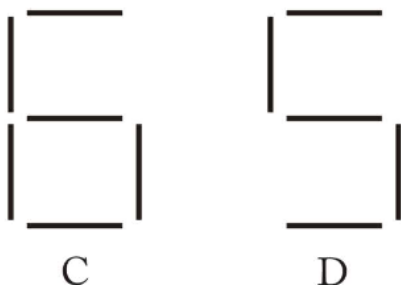
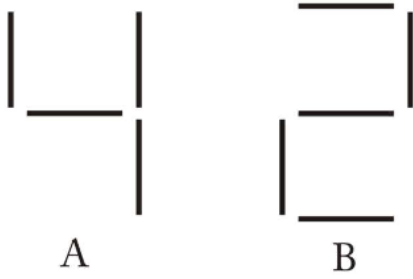


What comes next in the above series?



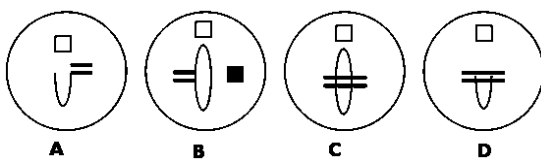
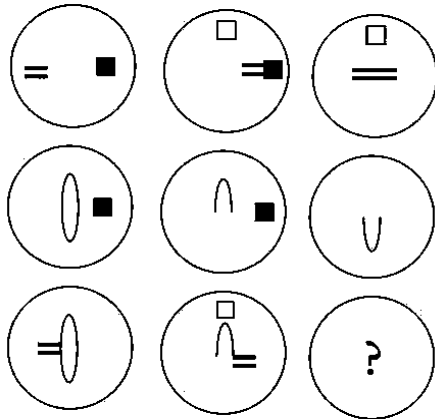
(**C**)

3. Identify the odd one out from the below diagrams?



(**B**)

4. Which option should replace the circle with the question mark?



(**D**)

LOGIC (4Q x 1 marks = 4 marks.)

A, B, C, D, E, F and G are seven members of the family. There are four male members among them. Each family member plays exactly one sport. Two of them play lawn tennis; two of them play table tennis, two of them play golf and one of them plays dodge ball. None of the female members plays golf. C plays lawn tennis and is the husband of B. G plays table tennis. C and E both are the children of A and D. F is a male and plays the same sport as his uncle E. D is grandmother of F and G. The father of E plays lawn tennis. D does not play dodge ball.

1. Who plays dodge ball?

(A) A

(B) B

(C) G

(D) D

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2. Which of the following persons play table tennis?

(A) A and C

(B) F and B

(C) G and D

(D) C and F

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3. How is A related to F?

(A) Grand father

(B) Brother

(C) Grand son

(D) Father

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4. Which of the following cannot be a possible relationship between a family member who plays lawn tennis and a family member who plays table tennis?

(A) Husband-Wife

(B) Grand father-Grand daughter

(C) Brother- Sister

(D) All three relationships are present in the family

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IQ (4Q x1 = 4 marks)

1. A, B, C, D and E are friends who played cards on Wednesday night. Their common friend F meets them on Thursday and asks each of them who won the game. Each of the five friends who played gave one statement. F later finds out that only three of these statements were true.

The statements were

A said : D won the game

B said : I did not win

C said : E did not win the game

D said : A is lying when he says that I won the game

E said : B is telling the truth

Who won the game?

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2. Given below is popular English saying with all the vowels removed also certain spaces between words have been missed out. Complete the saying by adding the vowels and spacing it correctly

Ycnt tchnlddg nwtrcks (you can't teach an old dog new tricks)

3. An old treasure map has the following instructions:

Stand next to the black rock and face West. Walk 20 yards and then turn 90 degrees clockwise. Walk another 10 yards and then turn 45 degrees anticlockwise. Walk another 15 yards, reverse your direction and walk 5 yards back. Turn 135 degrees clockwise and walk another 10 yards.

In which direction are you now facing? (**West**)

4. What comes next in the below series?

137, 142, 157, 182, 217, ? (**262**)

NUMERACY (4Q x 1 = 4 marks)

1. It is 4.30 am and your alarm goes off. You crawl sleepily out of bed. You have a job interview to go to that day and you must leave by 5 am to catch the train as the interview is being held 150 miles away. Suddenly all the lights go off. There has been a power failure. It is still pitch dark outside and you have no other light available. You have 6 brown socks and 6 pink socks in your drawer, all mixed up and identical in all but colour.

How many socks must you take from the drawer to be sure of taking a matching pair of the same colour? (**2**)

2. 5 Bricklayers can lay a total of 50 bricks in 30 minutes.

How many bricklayers will be required to lay a total of 60 bricks in 20 minutes? (**9**)

3. Simon, Cheryl and Dannii are all going by train to London to watch a singing competition. Cheryl gets the 2.15 pm train. Simon's train journey takes 50% longer than Dannii's. Simon catches the 3.00 train. Dannii leaves 20 minutes after Cheryl and arrives at 3.25 pm.

When will Simon arrive? (**4.15**)

4. If the area of a square has increased by 125%. Then by what percentage has the side of the square increased by?

(A)15%

(B)25%

(C)50%

(D)66.67%

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READING COMPREHENSION (4Q x 1 = 4 marks)

If there is a kind of music of the spheres, as Kepler suggested centuries ago, it could be thought of as the accompaniment to the solar system's stately cotillion of planets gliding around the Sun, spinning and sometimes nodding, most with partners, each responding in subtle ways to all the others.

Orderly and predictably harmonic this may seem, and in the short term it is, but scientists analyzing the motions of planets with powerful computers are realizing that there is a certain cacophony, as it were, to the music of the spheres. In the new scientific lexicon, the solar system is chaotic.

This means that over great spans of time an accumulation of small gravitational disturbances from neighboring planets, combined with their own slightly wobbly rotations, can cause significant fluctuations in the orbits and orientations of the planets. The changes are exponential, and this compounding effect leads to striking consequences over time scales of four million years. Scientists conclude that such behavior is essentially unpredictable

It also means that the orientations of the spin axes of the inner planets, including Earth, have changed chaotically at some time in their history. Mars is still undergoing wild variations, which could explain its apparent history of extreme climate swings. Earth may be spared a similar fate because of the stabilizing influence of the Moon, the only large satellite in the inner solar system.

These implications of chaos in the solar system were described by a team of French scientists led by Dr. Jacques Laskar of the Bureau des Longitudes in Paris, reporting research results two weeks ago in the journal Nature, and by Dr. Jack Wisdom, an astronomer at the Massachusetts Institute of Technology, writing in the current issue of the journal Science.

The relatively new science of chaos explores the connections between different kinds of irregularities. Motions in nature, like flowing water, jagged lightning strokes and cloud formations, may appear random and disorderly, but on closer examination, can be seen to be quite deterministic, since their motions are fully determined by preceding events in accordance with physical laws. Only recently have high-speed computers enabled scientists to conduct the lengthy, complex calculations that revealed the chaotic motions of planets.

"Ten years ago, no one in planetary science knew about chaos," Dr. Wisdom said in an interview. "Everyone thought of the solar system as evolving very regularly."

1. In what type of publication would the above article appear?

(A) In the science section of a general newspaper

(B) In a book which introduces students to astronomy

(C) In a scientific research journal

(D) In a press release by a scientific organization

(E) In the memoirs of an astronomer

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2. What is the main purpose of the last paragraph in the passage?

- (A) To showcase the expertise of Dr. Wisdom on the subject of chaos in planetary science
- (B) To emphasize the point that the existence of chaos in the planetary universe is a new discovery
- (C) To highlight the deficiencies of old theories of planetary science
- (D) To create doubt about the validity of theories related to the existence of chaos in the planetary system
- (E) To highlight Dr. Wisdom as the leading scientist in the field of planetary science

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3. What does the word “lexicon” mean as used in the passage?

- (A) Environment
- (B) Research
- (C) Context
- (D) Process
- (E) Manner

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4. According to the passage what best describes the area with which the relatively new science of chaos deals with

- (A) It deals with natural phenomena such as the flow of rivers and clouds
- (B) It deals with the establishing of a system to control the chaos which occurs in nature
- (C) It deals with establishing connections between seemingly unconnected natural occurrences
- (D) It deals with connecting different fields of science together to form a unified theory of the universe
- (E) None of the above

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GENERAL KNOWLEDGE (20Q x 1 = 20 marks)

True (T) or False (F) -14 Q

Multiple Choice - 6 Q

1. Charles Darwin, the well known English scientist, is known for his work on Evolution **T** **F**
2. Thaksin Shinawatra is the current Prime Minister of Thailand **T** **F**
3. Sydney is the capital of Australia **T** **F**
4. Dubai's Burj Al Arab is world's largest mall **T** **F**
5. Sebastian Vettel's team is called Red Bull Racing **T** **F**
6. Dubai wins the bid to host World Expo 2020 **T** **F**
7. Singapore has the world's largest container port **T** **F**
8. Dubai is one of seven Emirates **T** **F**
9. The current currency of Norway is the Euro **T** **F**
10. Anand Viswanathan is the 2013 World Chess Champion **T** **F**
11. Singapore means "Garden City" **T** **F**
12. Bill and Melinda Gates Foundation in the US is the wealthiest Charitable organisation in the world **T** **F**
13. The world's first Olympiad was held in Rome **T** **F**
14. Dubai owns 20% of NASDAQ(American Stock Exchange) **T** **F**
15. Who is the first Asian Winner of Nobel Prize?
(A) C. V. Raman
(B) Rajiv Gandhi
(C) **Rabindranath Tagore**
(D) Mother Teresa ()
16. The first woman in space was
(A) **Valentina Tereshkova**
(B) Sally Ride
(C) Naidia Comenci
(D) Tamara Press ()
17. What would you do with Sheesha ?
(A) Play it
(B) Eat it
(C) Drive it
(D) **Smoke it** ()

18. Who was Singapore's first prime minister?

- (A) Lee Hsien Loong
- (B) Goh Chok Tong
- (C) Lee Kuan Yew
- (D) Ong Teng Cheong

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19. Who said "Genius is 1% inspiration and 99% perspiration" ?

- (A) Albert Einstein
- (B) Thomas Edison
- (C) Winston Churchill
- (D) Abraham Lincoln

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20. Which sport is played on the Dubai World Cup Day (an Annual Dubai event) ?

- (A) Sailing
- (B) Auto racing
- (C) Horse racing

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ESSAY- (10 marks)

Please describe an instance where you encountered resistance in a professional team setting. How did you address the situation?