

**Model Questions, M. Sc. Engineering Management.
Organization and Management**

1. The kind of bargaining in which the workers and management representative negotiate work hours, wages and employment conditions is classified as
- (a) Union bargaining (b)
 - Distributive bargaining
 - (c) Descriptive bargaining (d)

Collective bargaining

2. the most flexible type of training in which the employees are trained while performing the tasks and responsibilities associated with the job is classified as

- a) Informal training
- b) Formal training

c) On the job training

- d) Off the job training

3. The employee evaluation, performance evaluation, performance review and employee rating are all terms used to define

- a) Criterion appraisal
- b) Employee development appraisal

c) Performance appraisal

- d) Subjective appraisal

4. Which of the following is defined as a business firm's obligation, beyond that required by law and economics, to pursue long-term goals that are good for society?

- (a) Social obligation (b) Values-based management

- (c) **Social responsibility** (d) Ethical obligation.

5. The network in the company that allows company's employees to access to all the

information given by some external entities is classified as

- a) Wide area **b)**
- Extranet**
- c) Intranet d)
- Geographic area network

General English

1. "Flight number 320 from Kathmandu to Bangkok is _____ now. Please go to Gate number 5."
 - a) taking off
 - b) bordering
 - c) **boarding**
 - d) departing

2. Our plans have _____ a lot. We are leaving in the morning.
 - a) altered
 - b) **changed**
 - c) replaced
 - d) Transformed

3. We will meet _____ Friday afternoon _____ 2:00 PM.
 - a) **on ... at**
 - b) in ... at
 - c) on ... in
 - d) in ... on

4. We've got many politicians in the _____ of business.
 - a) matters
 - b) **world**
 - c) country

- d) Headquarters
5. My parents hope that I'll _____ and start being obedient again.
- a) be aware
 - b) change my opinion
 - c) think
 - d) **change my mind**

Aptitude Test

1. Find out odd word?

- A. ACE
- B. PRT
- C. JLN
- D. **KLO**

2. Chalk : Blackboard :: _____ : _____ ?

- A. Door: Handle
- B. Paint: Brush
- C. **Ink: Paper**
- D. Teacher: College

3. A train 110 meters long is running with a speed of 60 KMS per hour. In what time it pass a man who is running at 6 km per hour in the direction opposite to that in which the train is going?

- A. 5 sec
- B. **6 sec**

- C. 10 sec
- D. 15 sec

A man sells sugar to tradesman at a profit of 20%

4. but the tradesman becomes bankrupt and so pay only 72p in the rupee, find his loss %.
- A. 12.6%
 - B. 13.00%
 - C. **13.6%**
 - D. 13.7%

5. Mara runs faster than Gail.
Lily runs faster than Mara.
Gail runs faster than Lily.
If the first two statements are true, the third statement is
- A. True
 - B. **False**
 - C. Cannot determine

Mathematics

1. $B(m, n)$ equals
- A. **$\frac{r(m)r(n)}{r(m+n)}$**
 - B. $\frac{r(m)r(n)}{r(m+n+1)}$
 - C. $\frac{\pi}{2}$
 - D. $\frac{\pi}{4}$
2. Transformation between Line Integral and Surface Integral is provided by
- A. Green's Theorem
 - B. Gauss Divergence Theorem
 - C. Dirichlet's Theorem
 - D. **Stoke's Theorem**
3. Inverse of matrix A exists only when
- A. $|A| = 0$

B. $|A| = 1$

C. **$|A| \neq 0$**

D. $|A| = \frac{\pi}{4}$

4. $(AB)^T$ equals

A. $A^T B^T$

B. **$B^T A^T$**

C. $A^T B^T$

D. $B A^T$

5. $\text{Div}(\text{Curl } \vec{v})$ equals

A. -1

B. **0**

C. 1

D. 2

6. If $[\vec{a} \ \vec{b} \ \vec{c}] = 0$

A. Vectors are coplanar

B. Two vector are equal

C. Two vectors are parallel

D. **All of above**

Computer

1. CD-ROM is a

A. Semiconductor memory

- B. Memory register
 - C. Magnetic memory
 - D. **None of above**
2. The arranging of data in a logical sequence is called
- A. **Sorting**
 - B. Classifying
 - C. Reproducing
 - D. Summarizing
3. Software in computer
- A. **Enhances the capabilities of the hardware machine**
 - B. Increase the speed of central processing unit
 - C. Both of above
 - D. None of above
4. The first computer introduced in Nepal was
- A. IBM 1400
 - B. **IBM 1401**
 - C. IBM 1402
 - D. IBM1402
5. What is short int in C programming?
- a) The basic data type of C
 - b) Qualifier
 - c) **Short is the qualifier and int is the basic data type**
 - d) All of the mentioned

**Model Questions. M.Sc. in Information System
Engineering**

IT and Communication

1. What is/are example of an operating system?
 - a) Linux
 - b) OS X
 - c) Unix
 - d) **All of the above**

2. The software life cycle can be said to consist of a series of phases. The classical model is referred to as the waterfall model. Which phase may be defined as "The concept is explored and refined, and the client's requirements are elicited?"
 - a) **Requirements**
 - b) Specification
 - c) Design
 - d) Implementation

3. VHF is _____
 - a) very hollow frequency
 - b) **very high frequency**
 - c) very hot frequency

4. This power protection device includes a battery that provides a few minutes of power.
- a) Surge suppressor
 - b) Generator
 - c) **UPS**
 - d) Line conditioner
5. In DBMS, a Foreign Key is
- a) **A field in a table that matches a key field in another table**
 - b) A field in a table that contains data that is also contained elsewhere in another table
 - c) A field in a table that has the same name as a key field in another table
 - d) A field in a table that has the same name as a key field in another table

General English

6. "Flight number 320 from Kathmandu to Bangkok is _____ now. Please go to Gate number 5."
- e) taking off
 - f) bordering
 - g) **boarding**
 - h) departing
7. Our plans have _____ a lot. We are leaving in the morning.

- e) altered
- f) changed**
- g) replaced
- h) Transformed

8. We will meet _____ Friday afternoon
_____ 2:00 PM.

- e) **on ... at**
- f) in ... at
- g) on ... in
- h) in ... on

9. We've got many politicians in the
_____ of business.

- e) matters
- f) world**
- g) country
- h) Headquarters

10. My parents hope that I'll
_____ and start being
obedient again.

- e) be aware
- f) change my opinion
- g) think
- h) change my mind**

Aptitude Test

1. Find out odd word?

- A. ACE
- B. PRT
- C. JLN

D. **KLO**

2. Chalk : Blackboard :: _____ : _____?

- A. Door: Handle
- B. Paint: Brush
- C. **Ink: Paper**
- D. Teacher: College

3. A train 110 meters long is running with a speed of 60 KMS per hour. In what time it pass a man who is running at 6 km per hour in the direction opposite to that in which the train is going?

- A. 5 sec
- B. **6 sec**
- C. 10 sec
- D. 15 sec

A man sells sugar to tradesman at a profit of 20%

4. but the tradesman becomes bankrupt and so pay only 72p in the rupee, find his loss %.

- A. 12.6%
- B. 13.00%
- C. **13.6%**
- D. 13.7%

5. Mara runs faster than Gail.

Lily runs faster than Mara.

Gail runs faster than Lily.

If the first two statements are true, the third statement is

- A. True
- B. **False**
- C. Cannot determine

Mathematics

1. B(m, n) equals

- A. $r(m)r(n)/r(m+n)$
- B. $r(m)r(n)/r(m+n+1)$
- C. $\frac{\pi}{2}$
- D. $\frac{\pi}{4}$

2. Transformation between Line Integral and Surface Integral is provided by

- E. Green's Theorem
- F. Gauss Divergence Theorem
- G. Dirichlet's Theorem
- H. **Stoke's Theorem**

3. Inverse of matrix A exists only when

- E. $|A| = 0$
- F. $|A| = 1$
- G. **$|A| \neq 0$**

H. $|A| = \frac{\pi}{4}$

4. $(AB)^T$ equals

- A. $A^T B^T$
- B. **$B^T A^T$**
- C. $A^T B^T$
- D. $B A^T$

5. $\text{Div}(\text{Curl } \vec{v})$ equals

- A. -1
- B. **0**
- C. 1
- D. 2

6. If $[\vec{a} \ \vec{b} \ \vec{c}] = 0$

- A. Vectors are coplanar
- B. Two vector are equal
- C. Two vectors are parallel
- D. **All of above**

Computer

1. CD-ROM is a
 - A. Semiconductor memory
 - B. Memory register
 - C. Magnetic memory
 - D. **None of above**
2. The arranging of data in a logical sequence is called
 - A. **Sorting**
 - B. Classifying
 - C. Reproducing
 - D. Summarizing
3. Software in computer
 - A. **Enhances the capabilities of the hardware machine**
 - B. Increase the speed of central processing unit
 - C. Both of above
 - D. None of above
4. The first computer introduced in Nepal was
 - A. IBM 1400
 - B. **IBM 1401**
 - C. IBM 1402
 - D. IBM1402
5. What is short int in C programming?
 - a) The basic data type of C
 - b) Qualifier
 - c) **Short is the qualifier and int is the basic data type**
 - d) All of the mentioned