# **Model Paper**

**Program: MS Software Engineering** 

Time Allowed: 3 hours (180 Mins)

## Paper Type:

1) Objective (MCOs based)

Sections:

- a) Verbal
- b) Quantitative
- c) Analytical Reasoning
- 2) Subjective

**Theoretical Questions** 

Total Questions: 100 Objective 03 Subjective

Passing Marks: Objective (60 out of 100), Subjective (10 out of 25)

**Detail of Sections:** 

30 questions Verbal:

**Quantitative:** 40 questions

**Analytical Reasoning:** 30 questions

**Subjective:** 03 questions will be related to the core subjects of Software Engineering.

## **Important Instructions:**

- A candidate must score a minimum 60% marks in aggregate to pass the

Answers are to be attempted on the answer sheet, which is being provided separately with the question paper.
Encircle the most appropriate choice. Multiple selection will be considered an incorrect answer.
Calculators & Mathematical tables are not allowed.
Keep your mobile phone turned off. Any mobile phone found active / on will be confiscated and the candidate will be disqualified for the test.

## **Model Paper**

## **Section I - Verbal**

1) We need	d more men and	women of culture	and enlightenmen	t in our society	; we have too
many	_among us.				

A) Pedants B) Philistines

C) Ascetics D) Paragons

2) Many educators argue that a\_\_\_\_\_ grouping of students would improve instruction because it would limit the range of student abilities in the classroom.

A) heterogeneous

B) Systematic
C) homogeneous

D) Sporadic

#### **Analogies**

3) AQUEDUCT: WATER

A) Capillary : saliva B) Esophagus : breath C) Tanker : fluids D) Artery : blood

4) ENZYME : CATALYST

A) Vaccine : allergy
B) Gland : muscle
C) Neuron : corpuscle
D) Bacterium : microbe

## Section II - Analytical

**Direction:** Each question or group of questions is based on a passage or set or conditions. In answering some of the question. It may be useful to draw a rough diagram. For each question, select the best answer choice given.

#### Question 1-2

In an office each of the nine employees – P, Q, S, T, U, V, W, and X – is to be assigned his or her own mailbox. The boxes, which are all the same size, are arranged in three rows of three boxes each with each box directly above and /or below another box. The boxes area numbered from left to right – 1 to 3 in the top row, 4 to 6 in the middle row, and 7 to 9 in the bottom row. The assignments are subject to the following restrictions.

P is to be assigned box 5.

Q is to be assigned box directly above T's box

R is to be assigned box in the bottom row.

U is to be assigned the box directly to X is to be assigned the box directly a			
1) X must be assigned a box			
A) 1 C) 3	B) 2 D) 4		
2) Which of the following group of t	hree people could be assigned boxes 4,5 and 6 respectively?		
A) P, V, and T C) S, P, and T	B) Q, P, and S D) T,Q, and P		
Section III – Quantitative			
1) The average age of a class of 40 average age increases by one year. T	students is 12 years. If the teacher age is also included, the 'he teacher's age is:		
A) 41 years C) 53 years	B) 52 years D) 54 years		
2) Zahid sells a watch to Abrar at a Suhail must pay Rs. 462 for it, the co	gain. Of 10% and Abrar sells it to Suhail at a gain of 5%. If ost price of the watch for Zahid is:		
A) Rs. 300 C) Rs. 500	B) Rs. 400 D) Rs. 600		
	verage of 45 marks; on re-checking it was found that marks es. After correction these marks were increased by 24 and 36. dent are		
A) 47 C) 60	B) 56 D) 75		
	wrong answer and scores 2 marks for every correct answer. If exam. and secure 39 marks, how many of them were correct?		
A) 27 C) 33	B) 31 D) 37		

# **Section IV – Subjective (Software Engineering)**

Q#1: Briefly write about major software testing techniques.

Q#2: What is the concept of software configuration management?

Q#3: Differentiate between functional and nonfunctional requirements.