

### D E Shaw & Co - Paper 1 - Part 3

THIS IS THE PAPER IN IIT KHARAGPUR

DESHAW PART 1

TIME:20 MIN

\* 20 QUESTIONS , EACH QUESTION CARRIES 2 MARKS

1. A SOLID ICE OF 11 X 8 X2 INCHES IS MADE INTO ROD OF DIA 4 INCH. WHAT IS THE LENGH OF ROD?

ANS: 3.5 INCH

2. THERE WERE 750 PEOPLE WHEN THE FIRST SONG WAS SUNG. AFTER EACH SONG 50 PEOPLE ARE LEAVING THE HALL. HOWMANY SONGS ARE SUNG TO MAKE THEM ZERO?

ANS:16

3. A PERSON IS CLIMBING OF 60 MTS . FOR EVERY MINUTE HE IS CLIMBING 6 MTS AND SLIPPING 4 MTS . AFTER HOWMANY MINUTES HE MAY REACH THE TOP?

ANS:  $(60-6)/2 +1 = 28$

4. HOWMANY ZEROS ARE THERE IN THE PRODUCT OF THE INTEGER FROM 1 TO 100?

ANS: 24( NOT GIVEN)

ZEROS

$$25 = 5*5$$

$$22 *5$$

$$24 *5$$

5. A CAN DO WORK IN 2 HOURS B CAN DO A WORK IN 3 HOURS WHAT IS THE SHORTEST TIME TYEY CAN FINISH THE WORK?

ANS: 1HOUR 12 MIN.

6..SALARY IS INCREASED BY 1200 ,TAX IS DECREASED FROM 12% TO 10% BUT PAYING SAME AMOUNT AS TAX . WHAT IS THE PREVIOUS SALARY?

ANS:6000

7. THE LEAST NO. WHICH IS WHEN DEVIDED BY 4,6,7 LEAVES A REMAINDER OF 2 ?

ANS: 86

8. A MAN DRIVING THE CAR AT TWICE THE SPEED OF AUTO ONEDAY HE WAS DRIVEN CAR FOR 10 MIN. AND CAR IS FAILED. HE LEFT THE CAR AND TOOK AUTO TO GOTO THE OFFICE . HE SPENT 30 MIN. IN THE AUTO. WHAT WILL BE THE TIME TAKE BY CAR TO GO OFFICE?

ANS:25 MIN

9. A REPORT HS 20 WHEETS, EACH OF 55 LINES AND EACH SU;CH A LINE CONSISTS OF 65 CHARACTERS. IF THE REPORT HAS TO BE RETYPED WITH EACH SHEET HAVING 65 LINES AND EACH LINE HAVE 75 CHARACTERS, THE PERCENTAGE OF REDUCTION OF NO OF SHEETS IS CLOSEST IS TO?

ANS: 25%

10. OUT OF 100 FAMILIES IN NEIGHBOUR HOOD , 55 OWN RADIO, 75 OWN T.V AND 25 OWN VCR. ONLY 10 FAMILIES HAVE ALLOF THESE, AND EACH VCR OWNER HAS TV . IF 25 FAMILIES HAVE THE RADIO ONLY, THE NO. OF FAMILIES HAVE ONLY TV ARE?

ANS: 30

APTITUDE: ( QUESTIONS 16 T019)

KYA KYA IS AN ISLAND IN THE SOUTH PACIFI . THE INHABITANTS OF KYA KYA ALWAYS ANSWER ANY QUESTION WITH TWO SENTENCES, ONE OR WHICH IS ALWAYS TRUE AND OTHER IS ALWAYS FALSE.

1. YOU ARE WALKING ON THE ROAD AND COME TO A FORK. YOU ASK ,THE INHABITANTS RAM.LAXMAN, AND LILA AS WHICH ROAD WILL TAKE ME TO THE VILAGE?

RAM SAYS: I NEVER SPEAK TO STRANGERS. IAM NEW TO THIS PLACE

LAXMAN SAYS: IAM MARRIED TO.LILA. TAKE THE LEFT ROAD

LILA SAYS: IAM MARRIED TO RAM. HE IS NOT NEW TO THIS PLACE

ANS: LEFT ROAD  
TAKE YU TO THE VILLAGE

2. YOU FIND THAT YOUR BOAT IS STOLLEN. U QUESTIONED THREE INHABITANTS OT ISLANDS AND THEIR REPLIES ARE

JOHN : I DIDNOT DO IT. MATHEW DIDNOT DO IT

MATHEW : KRISHNA DIDNOT DO IT

KRISHNA: I DID NOT DO IT; I DONOT KNOW WHO DID IT

ANS: MATHEW STOLEN THE BOAT

3. YOU WANT TO SPEAK TO THE CHIEF OF VILLAGE , U ASK THREE FELLOWS AMAR BOBBY, CHARLES AND BOBBY IS WEARING RED SHIRT

AMAR : IAM NOT BOBBY'S SON ; THE CHIEF WEARS RED SHIRT

BOBBY : IAM AMARS FATHER ; CHARLES IS THE CHIEF

CHARLES : THE CHIEF IS ONE AMONG US; IAM THE CHIEF

ANS: BOBBY IS THE CHIEF

4. THERE IS ONLY OPNE POLOT IN THE VILLAGE(ISLAND). YOU INTERVIEWED THREEEM MAN KOISK ,LORRY AND MISHRA

U ALSO NOTICE THAT KOISK IS WEARING CAP.

M SAYS : LARRY IS FATHER IN THE PILOT .LARRY IS NOT THE PRIESTS SON

KOISK : IAM THE PRIEST ON THEIS ISLAND ONLY PRISTS CAN WEAR THE CAPS

LARRY : IAM THE PRIEST SON . KOISK IS NOT THE PREST

ANS : KOISK IS THE PILOT

THIS PAPER HAS GIVEN IN IIT DELHI , SO GO THROUGH THIS IT WILL GIVE ROUGH IDEA;

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