**JECRC University, Jaipur**

**Sub: Life Skill-II**

**Assignment-3**

**Part-A**

1. What is the compound interest (in Rs.) accrued on an amount of Rs.15000 at the rate of 20 percent per annum in two years, if the interest is compounded half-yearly?

(a) 6196.5 (b) 6916.5 (c) 4641.5 (d) 6961.5

1. At what rate percent per annum will 2304 amount to 2500 in 2 years at compound interest?

(a) 4% (b) 4% (c) 4% (d) 4%

1. If a sum of money amounts to ₹12900 and ₹14250 at the end of 4th year and 5th year respectively at a certain rate of simple interest,then the rate of interest is:

(a) !0% (b) 12% (c) 18% (d) 20%

1. A sum of money at simple interest triples itself in 15 years. It will become 5 times of itself in:

(a) 40 years (b) 35 years (c) 30 years (d) 25 years

1. A student gets 33.33% marks in an examination if the total mark is 999, then find his marks?

(a) 333 (b) 300 (c) 330 (d) 352

1. In how many ways can 6 people be arranged in a row?

(a) 700(b) 620 (c) 720 (d) 820

1. In how many ways can the letters of the word ‘PARAGLIDING’ be arranged such that all the vowels occur together?

(a) 88322 ways (b) 120960 ways (c) 740 ways (d) 144868 ways

1. 8 members are to be selected from a group of 9 males and 7 females. In how many ways will the members with at most 3 females and at least 4 males be selected?

(a) 6472 ways (b) 6286 ways (c) 6435 ways (d) 6225 ways

1. In how many different ways can the letters of the word 'VENTURE' be arranged?

(a) 840 ways ( b) 5040 ways (c) 1260 ways (d) 2520 ways

1. Out of 7 consonants and 4 vowels, how many words of 3 consonants and 2 vowels can be formed?

(a) 210 ( b) 1050 (c) 25200 (d) 20400

**Part-B**

1. A certain sum, invested at 4% per annum compound interest, compounded half yearly, amounts to 7,803 at the end of one year.The sum is:

(a) Rs. 7000 (b) Rs. 7200 (c) Rs. 7500 (d) Rs. 7700

1. The income of a person has gone decrease from 1000 to 950. The percent value of income that has gone decreased is?

(a) 10% (b) 5% (c) 4% (d) 7%

1. In how many ways a committee consisting of 3 men and 2 women, can be chosen from 7 men and 5 women?

(a) 45 (b) 350 (c) 420 (d) 230

1. Ten different letters of alphabet are given. Words with five letters are formed from these given letters. Then the number of words which have at least one letter repeated is:

(a) 69760 (b) 30240 (c) 99748 (d) 99784

**Part-C**

1. If the compound interest on a sum of money for 3 years at the rate of 5% per annum is 252.20, the simple interest on the same sum at the same rate and for the same time is:

(a) Rs. 220. (b) Rs. 240 (c) Rs. 245 (d) Rs. 250

1. A student has to answer 10 questions, choosing atleast 4 from each of Parts A and B. If there are 6 questions in Part A and 7 in Part B, in how many ways can the student choose 10 questions?

(a) 266 (b) 260 (c) 250 (d) 255

**Part-D**

1. **If the difference between the compound interest and simple interest on a sum at 5% rate of interest per annum for three years is 36.60, then the sum is:**

(a) Rs. 8000 (b) Rs. 8400 (c) Rs. 4400 (d) Rs. 4800

1. In how many ways 3 mathematics books, 4 history books, 3 chemistry books and 2 biology books can be arranged on a shelf so that all books of the same subjects are together?

(a) 41472 (b) 40000 (c) 41500 (d) 42151

**Answer**

**1.(d), 2.(c), 3.(c), 4.(c), 5.(a), 6.(c), 7.(b), 8.(c), 9.(d), 10.(c), 11.(c), 12.(b), 13.(b), 14.(a), 15.(b), 16.(a), 17.(d), 18.(a)**