

SEMESTER	III	QP CODE	3024
 P.R. GOVERNMENT COLLEGE (AUTONOMOUS), KAKINADA SEM III EXAMINATIONS JANUARY -2024 II B.A/B.COM/BBA /B.SC/B.VOC. SUBJECT: ANALYTICAL SKILLS			
DATE & SESSION	01.02.2024 AN	REG NO	MAX MARKS 50

SECTION-A

Answer ALL questions. Each question carries 1 mark.

30 x 1M=30 M

1. Simplify $2 - [3 - \{6 - (5 - 4 - 3)\}]$

a) 3

☒ b) 1

c) 5

d) 9

2. Which of the following series is in ascending order.

a) $3/5, 7/9, 6/7$

b) $7/9, 6/7, 3/5$

c) $7/9, 3/5, 6/7$

☒ d) $6/7, 7/9, 3/5$

3. How many numbers between 11 and 90 are divisible by 7?

☒ a) 11

b) 13

c) 15

d) 17

4. If HCF, LCM of two numbers are 16, 240. If one number is 48, find the other?

a) 58

☒ b) 80

c) 85

d) 72

5. Find the wrong number in the given series 1, 8, 27, 64, 125, 215

a) 27

b) 64

c) 125

☒ d) 215

6. NEAT : TAEN :: DRINK : ?

a) KNIDR

b) KNRID

☒ c) KNIRD

d) KNDIR

7. A women introduces a man as "the son of the brother of her mother". How is the man related to the women?

a) Uncle

b) Grandson

☒ c) Cousin

d) Son

8. How many times do the hands of a clock point towards each other in a day?

a) 12

☒ b) 22

c) 20

d) 24

9. What was the day of week on 1st March 2016?
 a) Wednesday b) Friday c) Monday ☒ d) Tuesday
10. In certain code 'ROAR' is written as 'URDU'. How is 'URDU' written in that code?
 a) VXDQ ☒ b) XUGX c) ROAR d) VSOV
11. Find the average of first 40 natural numbers.
☒ a) 20.5 b) 20.4 c) 20.6 d) 20.7
12. If $A : B = 5 : 9$ and $B : C = 4 : 7$, then find $A : B : C$
☒ a) $20 : 36 : 63$ b) $36 : 20 : 63$ c) $20 : 40 : 60$ d) $20 : 36 : 60$
13. Present age of Sandhya is 25 years. What is her age after 10 years and before 6 years?
 a) 35 years and 20 years c) 40 years and 19 years
☒ b) 35 years and 19 years d) 36 years and 19 years
14. 28% of 450 + 45% of 280 is ?
 a) 250 ☒ b) 252 c) 260 d) 262
15. A car moves at a speed of 80 km/hr, what is the speed of the car in meter per second (m/sec)
 a) 8 m/sec b) $20 \frac{1}{9}$ m/sec ☒ c) $22 \frac{2}{9}$ m/sec d) $22 \frac{1}{9}$ m/sec
16. Suresh purchased a car for Rs. 25000 and sold it for Rs. 34800. What is the profit percentage?
 a) 50% ☒ b) 39.2% c) 38.4% d) 38%
17. A, B and C started a shop by investing Rs. 27000, Rs. 81000 and Rs. 72000 respectively. At the end of 1 year, B's share in total profit was Rs. 36000. What was the total profit?
 a) Rs. 108000 b) Rs. 116000 ☒ c) Rs. 80000 d) Rs. 92000
18. If C.P = Rs. 56.25, Gain = 20% then find S.P =
☒ a) Rs. 67.50 b) Rs. 67 c) Rs. 67.25 d) Rs. 67.75

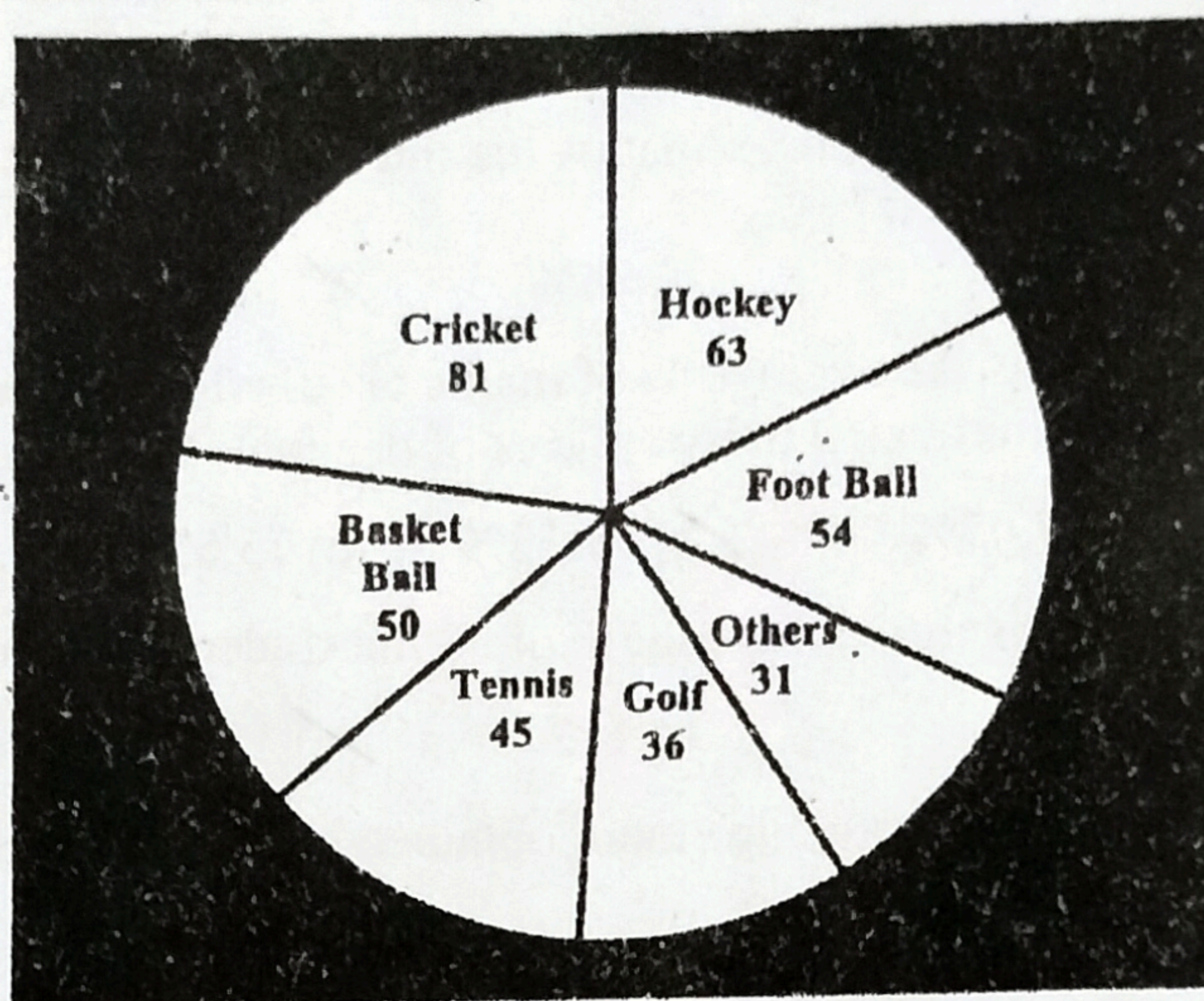
19. What amount a man would have received on a principal of Rs.4000 after 2 years at simple interest at the rate of 5% p.a ?

- a) Rs.4161 b) Rs.5200 ☒ c) Rs.4400 ~~d) Rs.4100~~

20. The compound interest accrued on an amount at the end of 2 yr at the rate of 12% p.a. is Rs.2862 . What is the amount ?

- ☒ a) Rs.11250 b) Rs.12200 c) Rs.13500 d) Rs. 10000

21. Study the following pie chart carefully to answer the questions.



1. How much percent of the total spending is spent on Tennis?

- ☒ a) 45% b) 22% c) $12\frac{1}{2}\%$ d) 25%

2. How much percent is spent more on Hockey than that of Golf?

- ☒ a) 27% b) 35% c) 37% d) 75%

3. How much percent is less spent on Foot Ball than that on Cricket?

- ☒ a) 28% b) $33\frac{1}{3}\%$ c) 36% d) 22%

4. If the total amount spent on sports during the year was Rs. 2 crores, the amount spent on Cricket and Hockey together was

- a) Rs. 800000 ☒ b) Rs. 8000000 c) Rs.160000 d) Rs. 1600000

5. If the total amount spent on sports during the year was Rs. 1,80,00,000, the amount as spent on Basketball exceeds that on Tennis by

- a) Rs.250000 b) Rs. 360000 c) Rs. 375000 d) Rs. 200000

22. Study the following table carefully and answer the questions. Percentage of marks obtained by 6 students in 6 different subjects is:

Subject/ Student	History (out of 50)	Geography (out of 50)	Maths (out of 150)	Science (out of 100)	English (out of 75)	Hindi (out of 75)
Amit	76	85	69	73	64	88
Bharat	84	80	85	78	73	92
Umesh	82	67	92	87	69	76
Nikhil	73	72	78	69	58	83
Pratiksha	68	79	64	91	66	65
Ritesh	79	87	88	93	82	72

- What is the approximately the integral % of marks obtained by Umesh in all the subjects?
a) 86% b) 84% ☒ c) 80% d) 78%
- What is the average % of marks obtained by all the students in Hindi (approximated to two places of decimal)
a) 77.45% ☒ b) 79.33% c) 75.52% d) 73.52%
- What is the average mark of all the students in Mathematics?
a) 128 b) 112 ☒ c) 118 d) 138
- What is the average mark obtained by all the students in Geography?
a) 38.26 b) 37.26 c) 37.16 ☒ d) 39.16
- What are the total marks obtained by Pratiksha in all the subjects taken together?
☒ a) 358.75 b) 410.75 c) 402.75 d) 420.75

SECTION-B

Answer any **FOUR** questions. Each question carries 5 marks.

4 x 5M=20 M

- Explain the BODMAS rule.
- Find the LCM of 16, 24, 36 and 54.
- Write the relation between Speed, Time and Distance.
- Explain about Profit and Loss.
- Explain about Bar Charts.
- Explain types of Venn diagrams.