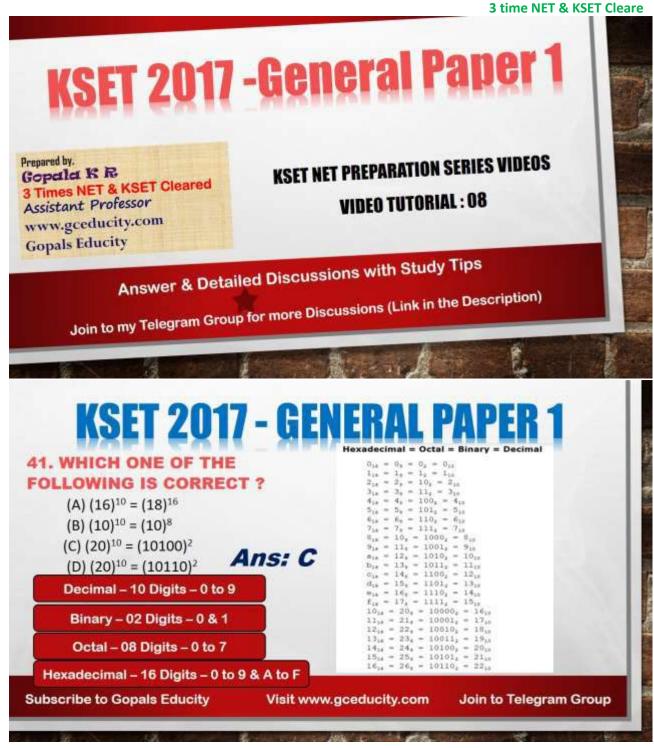
NTA-UGC JRF/NET/KSET

Paper 1: KSET 2017 General Paper 1 Solved

By
Gopala K R
Assistant Professor



42. FIREWALL MEANS

- (A) A SOFTWARE PROGRAM OR A PIECE OF HARDWARE BETWEEN COMPUTER AND INTERNET CONNECTION
- (B) A SOFTWARE PROGRAM BETWEEN PRINTER AND MEMORY CHIP
- (C) A DEVICE TO CREATE FIRE ON THE WALL
- (D) VIRUS

Ans: A

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KSET 2017 - GENERAL PAPER 1

49. IF 9 MEN AND 12 BOYS CAN DO A PIECE OF WORK IN 4 DAYS AND 4 MEN AND 16 BOYS CAN DO THE SAME PIECE OF WORK IN 6 DAYS, HOW LONG WILL 6 MEN AND 24 BOYS TAKE TO COMPLETE THE SAME WORK?

- (A) 3 DAYS
- (B) 4 DAYS
- (C) 5 DAYS
- (D) 6 DAYS

9M + 12B *4 = 4M+16B*6 36M + 48B = 24M + 96B

36M - 24M = 96B - 48B

12M = 48B

1M = 4B

Total Work = 36M + 48B

Total Work = (36M*4) + 48B Total Work B = 144 B + 48B = 192B

6M + 24B 24B +24B =48B 192B/48B = 4 Days

Ans: B

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50. FIND THE FIFTH TERM IN THE FOLLOWING SERIES: 2, 7, 27, 107, ?

- (A) 227
- (B) 327
- (C) 427
- (D) 527

 $2+(5*1^2)=7$

107+(5*82) = 427

2 7 27 107 427

Ans: C

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KSET 2017 - GENERAL PAPER

51. IN A CODE HOUSE IS WRITTEN AS INVRF, HOW IS CROWD WRITTEN IN THAT CODE?

- (A) DQPVE
- (B) DQPVK
- (C) DQVPE
- (D) DQEPV

HOUSE +1-1+1-1+1 I N V R F

CROWD +1 -1 +1 -1 +1 DQPVE

Ans: A

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52. AT WHAT TIME BETWEEN 4 AND 5 O'CLOCK WILL THE HANDS OF A CLOCK BE IN OPPOSITE DIRECTIONS?

- (A) 45 MINUTES PAST 4
- (B) 40 MINUTES PAST 4
- (C) 50 4/11 MINUTES PAST 4
- (D) 54 6/11 MINUTES PAST 4



4 o'clock, the hands of the watch are 20 min. spaces apart. They must be 30 min. spaces apart.

Minute hand will have to gain 50 min, spaces.

55 min, spaces are gained in 60 min

50 min. spaces are gained in 60/55*50

min. or 54 6/11

Required time = 54 6/11 min. past 4.

Ans: D

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KSET 2017 - GENERAL PAPER 1

53. A, B AND C INVESTED IN A COMMON BUSINESS. A INVESTED RS. 5,000 FOR 2 MONTHS, B INVESTED RS. 6,000 FOR 3 MONTHS AND C INVESTED RS. 4,000 FOR 5 MONTHS. OUT OF A PROFIT OF RS. 960, 'A'S SHARE IS

- (A) RS. 360
- (B) RS. 200
- (C) RS. 400
- (D) RS. 500

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A =5000*2 = 10000

B = 6000*3 = 18000

C = 4000*5 = 20000

Ratio = 10:18:20 = 5:9:10

960*5/24

=200

Ans: B

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54. THE SALARIES OF A, B, C ARE IN THE RATIO 2:3:5. IF THE INCREMENT OF 15%, 10% AND 20% ARE ALLOWED RESPECTIVELY IN THEIR SALARIES, THEN WHAT WILL BE THE NEW RATIO OF THEIR SALARIES?

(A) 3:3:10

(B) 10:11:20 (C) 23:33:60

D) 15:10:20

A:B:C = 2:3:5

NR = 2+(2*15/100) : 3+(3*10/100) : 5+(5*20/100)

NR = 2+0.30: 3+03.30: 5+1

NR = 2.3 : 3.3 : 6 NR = 23 : 33 : 60

Ans: C

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KSET 2017 - GENERAL PAPER 1

ANSWER QUESTIONS 55 - 60 BASED ON THE FOLLOWING INFORMATION:

GIVEN BELOW IS A TABLE SHOWING THE PERCENTAGE OF A TOTAL OF 800 STUDENTS WHO GAVE RANKING TO FIVE EXTRA CURRICULAR ACTIVITIES BASED ON THEIR PREFERENCE. RANK I IS THE HIGHEST.

NOTE: RANK I IS GIVEN 5 POINTS, RANK II IS GIVEN 4 Poetry
POINTS, RANK III IS GIVEN 3 POINTS, RANK IV IS GIVEN 2 Dancing

POINTS RANK VIS GIVEN 1 POINT. 55. Which activity has received the highest

number of points?

- (A) Debating
- (B) Dancing
- (C) Poetry
- (D) Singing

Activity Percentage of students who gave ranking

III IV Debating 14 24 22 23 17 Sports 18 15 25 20 22 Poetry 22 18 15 21 24 26 18 17 20 19 Singing 24 20 17

Ans: B

Debating =(5*14%) + (4*24%) + (3*22%) + (2*23%) + (1*17%) = 0.7+.96+0.66+0.46+0.17 = 2.95 Sports = (5*18%)+(4*15%)+(3*25%)+(2*20%)+(1*22%) = 0.9+0.6+0.75+0.4+0.22= 2.87 Poetry = (5*22%)+(4*18%)+(3*15%)+(2*21%)+(1*24%) = 1.1+0.72+0.45+0.42+0.24 = 2.93 Dancing = (5*26%)+(4*19%)+(3*18%)+(2*17%)+(1*20%) = 1.3+0.76+0.54+0.34+0.2 = 3.14 Singing = (5*20%)+(4*24%)+(3*20%)+(2*19%)+(1*17%) = 1+0.96+0.6+0.38+0.17 = 3.11

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Percentage of students who ANSWER QUESTIONS 55 - 60 BASED ON gave ranking THE FOLLOWING INFORMATION: GIVEN BELOW IS A TABLE SHOWING THE PERCENTAGE OF A 11 III IV TOTAL OF 800 STUDENTS WHO GAVE RANKING TO FIVE Debating 14 24 22 23 17 EXTRA CURRICULAR ACTIVITIES BASED ON THEIR Sports 25 20 22 PREFERENCE. RANK I IS THE HIGHEST. 24 22 21 NOTE : RANK I IS GIVEN 5 POINTS, RANK II IS GIVEN 4 Poetry 18 15 POINTS, RANK III IS GIVEN 3 POINTS, RANK IV IS GIVEN 2 Dancing 26 19 18 17 20 POINTS, RANK V IS GIVEN 1 POINT. Singing 20 24 20 17 56. How many students gave rank IV to sports? (A) 160 (B) 320 800*20/100 = 160 (C) 140 Ans: A (D) 280 Subscribe to Gopals Educity Join to Telegram Group Visit www.gceducity.com

ANSWER QUESTIONS 55 – 60 BASED ON THE FOLLOWING INFORMATION: GIVEN BELOW IS A TABLE SHOWING THE PERCENTAGE OF A TOTAL OF ROOM TO FIVE TO STAND THE PERCENTAGE OF A TOTAL OF ROOM THE PERCENTAGE OF THE PER	Activity	Percentage of students who gave ranking				
		1	ш	III	IV	V
	Debating	14	24	22	23	17
XTRA CURRICULAR ACTIVITIES BASED ON THEIR PREFERENCE, RANK I IS THE HIGHEST.	Sports	18	15	25	20	22
NOTE : RANK I IS GIVEN 5 POINTS, RANK II IS GIVEN 4	Poetry	22	18	15	21	24
POINTS, RANK III IS GIVEN 3 POINTS, RANK IV IS GIVEN 2	Dancing	26	19	18	17	20
POINTS, RANK V IS GIVEN 1 POINT.	Singing	20	24	20	19	17
important (i.e. the activity which received the least number of th	ber of) + (2*23%) + (1*1 *20%)+(1*22%) = *21%)+(1*24%) =	0.9+0.6+0 1.1+0.72+	0.45+0.	.66+0,4 4+0,22).42+0,	= 2.87	2.95

ANSWER QUESTIONS 55 - 60 BASED ON THE FOLLOWING INFORMATION:

GIVEN BELOW IS A TABLE SHOWING THE PERCENTAGE OF A TOTAL OF 800 STUDENTS WHO GAVE RANKING TO FIVE EXTRA CURRICULAR ACTIVITIES BASED ON THEIR PREFERENCE, RANK I IS THE HIGHEST.

NOTE: RANK I IS GIVEN 5 POINTS, RANK II IS GIVEN 4 POINTS, RANK III IS GIVEN 3 POINTS, RANK IV IS GIVEN 2 Dancing POINTS, RANK V IS GIVEN 1 POINT.

58. What is the ratio of the number of students who gave poetry a rank of I, II and IV to the number of students who gave debating a rank of III, V and I ?

(A) 16:17

(B) 3:7

(C) 89:71

(D) 61:53

Ans: D

22+18+21:14+22+17

Debating

Sports

Poetry

Singing

61:53

Activity

Debating

Sports

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Percentage of students who

IV

23

20

21

17

17

22

24 20

17

III

22

25

15

18

20

gave ranking

24

15

18

19

24

14

18

22

26

20

Percentage of students who

IV

23

20

21

17

19

V

17

22

24

20

17

III

22

25

15

18

20

gave ranking

11

24

15

18

19

24

14

18

22

26

20

ANSWER QUESTIONS 55 - 60 BASED ON THE FOLLOWING INFORMATION:

GIVEN BELOW IS A TABLE SHOWING THE PERCENTAGE OF A TOTAL OF 800 STUDENTS WHO GAVE RANKING TO FIVE EXTRA CURRICULAR ACTIVITIES BASED ON THEIR PREFERENCE, RANK I IS THE HIGHEST.

NOTE : RANK I IS GIVEN 5 POINTS, RANK II IS GIVEN 4 Poetry POINTS, RANK III IS GIVEN 3 POINTS, RANK IV IS GIVEN 2 Dancing POINTS, RANK V IS GIVEN 1 POINT.

Singing 59. What is the difference between the number of students who gave rank II to debating plus dancing and the students who gave

rank III to singing plus dancing

(A) 40

Ans: A (B) 20

(C) 30 (D) 10

Debating II + Dancing II - Singing III + Dancing III (800*24/100) + (800*19/100) - (800*20/100) + (800*18/100) 192 + 152 - 160 + 144

344 - 304 = 40

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