### DAV POLICE PUBLIC SCHOOL, JHAJJAR

### HOLIDAY HOMEWORK (2025-26)

### CLASS XII (HUMANITIES)

### HISTORY

### Chapter 1: Bricks, Beads and Bones – 10 Questions

- 1. What were the key features of Harappan urban planning?
- 2. How did the Harappans manage drainage and sanitation in their cities?
- 3. What types of materials were used to make beads in the Harappan civilisation?
- 4. Describe the role of craft production in the Harappan economy.
- 5. What do the seals and sealings found at Harappan sites tell us about their society?
- 6. How was trade conducted in the Harappan civilisation?
- 7. Explain the significance of the Great Bath at Mohenjodaro.
- 8. How do archaeologists identify social differences in Harappan society?
- 9. What are the possible reasons for the decline of the Harappan civilisation?
- 10. How do archaeologists reconstruct the lives of Harappan people?

### Chapter 2: Kings, Farmers and Towns – 10 Questions

- 11. What changes occurred in political structure during the Mauryan period?
- 12. Describe the administrative system of the Mauryan Empire as mentioned in the Arthashastra.
- 13. What was the importance of Ashoka's Dhamma?
- 14. Explain the role of inscriptions in reconstructing early Indian history.
- 15. How did agriculture change during the early historic period?
- 16. What do the accounts of Chinese travelers like Fa-Hien and Xuan Zang tell us about ancient India?
- 17. Describe the features of early cities mentioned in ancient texts and archaeological records.
- 18. What was the importance of land grants in early India?
- 19. How did Buddhism and Jainism influence early Indian society?
- 20. Discuss the evidence for craft and trade in early historic towns.

### Chapter 3: Kinship, Caste and Class – 10 Questions

- 21. What role did kinship play in the early Vedic period?
- 22. How were women treated in early Indian society, as per the Dharmashastras?
- 23. Explain the concept of 'varna' and its role in the social order.
- 24. How did the system of gotras influence marriage practices?
- 25. What were the duties prescribed for different varnas in the Manusmriti?
- 26. Describe the changes in social structure during the post-Vedic period.
- 27. How do inscriptions and texts help us understand social hierarchies?
- 28. What was the role of Brahmanas in maintaining the caste system?
- 29. How were the Shudras and 'untouchables' treated in early Indian society?
- 30. What insights do Buddhist texts provide on caste and class?

### POLITICAL SCIENCE

### **Chapter 1: Challenges of Nation Building – 10 Questions**

- 1. What were the three major challenges faced by India after independence?
- 2. How did the partition of India affect the country socially and politically?
- 3. What was the role of Sardar Vallabhbhai Patel in the integration of princely states?
- 4. Explain the significance of the Instrument of Accession.
- 5. How was the Kashmir issue different from other princely state problems?
- 6. Describe the challenges and consequences of the partition on communal harmony.
- 7. What were the reasons for Hyderabad's delayed integration into India?
- 8. How did the reorganization of states help in nation-building?
- 9. What was the States Reorganisation Commission and what was its recommendation?
- 10. Why was there opposition to the linguistic reorganization of states?

### Chapter 2: Era of One-Party Dominance – 10 Questions

- 11. What is meant by 'one-party dominance' in the Indian context?
- 12. Why did the Indian National Congress dominate the first three general elections?
- 13. How did the Congress maintain dominance despite internal factionalism?
- 14. Explain the impact of the first general elections held in 1952.
- 15. What role did Jawaharlal Nehru play in shaping India's democratic political culture?
- 16. What were the main opposition parties during the era of Congress dominance?
- 17. How did the Socialist Party and the Bharatiya Jana Sangh differ in their ideologies?

- 18. How did Congress adapt to changing political circumstances in the 1960s?
- 19. Discuss the significance of the 1967 elections in Indian politics.
- 20. How did Congress's dominance affect the development of political competition?

### **Chapter 3: Politics of Planned Development – 10 Questions**

- 21. What was the main objective behind adopting planned development in India?
- 22. What was the role of the Planning Commission in post-independence India?
- 23. How did the Nehruvian model balance economic growth with social justice?
- 24. Explain the significance of the First Five-Year Plan.
- 25. What was the focus of the Second Five-Year Plan and who influenced it?
- 26. How did land reforms aim to address issues of economic inequality?
- 27. What challenges did Indian planners face during the implementation of development plans?
- 28. What was the Green Revolution and how did it impact Indian agriculture?
- 29. Why was there criticism of the planning process in the 1960s and 1970s?
- 30. How did the idea of mixed economy shape India's early development strategy?

### GEOGRAPHY

Chapter 1: Human Geography: Nature and Scope

- 1. Define human geography. How does it differ from physical geography?
- 2. Explain the scope of human geography. Discuss its interdisciplinary nature
- 3. What is the significance of studying human geography? How does it contribute to understanding human-environment interactions?
- 4. Discuss the relationship between human geography and other social sciences. Provide examples.
- 5. Explain the concept of 'spatial organization' in human geography. How does it help in analyzing human activities?

Chapter 2: The World Population: Distribution, Density, and Growth

- 6. What is population distribution? Discuss the factors influencing it.
- 7. Define population density. How is it calculated?
- 8. Explain the concept of population growth. What are its determinants?
- 9. Discuss the implications of high population density in urban areas. Provide examples.
- 10. Analyze the challenges posed by rapid population growth in developing countries. Suggest measures to address them.

### **Chapter 3: Human Development**

- 11. Define human development. How does it differ from economic development?
- 12. Explain the Human Development Index (HDI). What are its components?
- 13. Discuss the significance of literacy rate in human development. Provide examples
- 14. Analyze the role of healthcare in enhancing human development. How does it impact quality of life?
- 15. Evaluate the importance of gender equality in human development. Discuss its implications.

### **Chapter 4: Primary Activities**

- 16. What are primary activities? Explain with examples.
- 17. Discuss the significance of agriculture in primary activities. How does it contribute to the economy?
- 18. Explain the concept of subsistence farming. What are its characteristics?
- 19. Analyze the impact of industrialization on primary activities. Provide examples.
- 20. Discuss the challenges faced by primary sector workers. Suggest measures to improve their conditions.

### **Chapter 5: Secondary Activities**

- 21. Define secondary activities. How do they differ from primary activities?
- 22. Explain the concept of manufacturing industries. Discuss their types.
- 23. Analyze the factors influencing the location of industries. Provide examples.
- 24. Discuss the role of technology in secondary activities. How does it enhance productivity?
- 25. Evaluate the environmental impact of industrialization. Suggest measures to mitigate adverse effects.

### **Chapter 6: Land Resources and Agriculture**

- 26. Discuss the importance of land resources in agriculture. How do they affect crop production?
- 27. Explain the concept of land degradation. What are its causes and consequences?
- 28. Analyze the role of irrigation in enhancing agricultural productivity. Discuss its types.
- 29. Evaluate the impact of modern agricultural practices on the environment. Suggest sustainable alternatives.

- 30. Discuss the significance of crop diversification in agriculture. How does it contribute to food security?
- Prepare an assignment on any topic that are in your syllabus.

### ENGLISH

### Revise all the topics covered upto now.

### Write your responses to the questions listed below in your notebook, ensuring that your work is tidy.

1 In what ways does the imposition of German serve as a metaphor for cultural domination?

2 Explore the symbolism behind the classroom atmosphere on the day of the "last lesson".

3 How is the character of M. Hamel a reflection of a lost generation's guilt and remorse? 4 How does the author highlight the importance of language in shaping national identity?

5 What was the significance of the villagers sitting in the classroom on the last day? 6 Compare the attitudes of Franz at the beginning and end of the story. How does his character evolve?

7 How does Alphonse Daudet use irony in the story to emphasize the theme of linguistic identity?

8 How does Anees Jung subtly criticize systemic poverty and indifference through storytelling?

9 Analyze the use of contrast between the worlds of Seemapuri and Firozabad. What point is the author making?

10 Saheb loses both his freedom and dreams when he gets a job. Explain this paradox.

11 How does the author's narrative tone enhance the impact of social commentary in Lost Spring?

12 How is the theme of hope both present and absent in the stories of the ragpickers and bangle makers?

13 How does Kamala Das use imagery to convey the contrast between life and death?

14 Explain the significance of the simile "her face ashen like that of a corpse".

15 What is the effect of the natural images like "trees sprinting" and "children spilling out of their homes"?

16 "But all I said was, see you soon, Amma" – What does this line reveal about the poet's emotional state?

17 What is the deeper meaning behind the repetition of "smile and smile and smile..."?

18 Discuss how silence and restraint in expression act as a form of emotional coping in the poem.

19 Do you think the poem ends on a note of hope or despair? Justify your response with examples from the text.

20 Write a letter to the Editor of The Hindustan Times expressing concern about the lack of sports facilities in government schools and suggesting improvements.

21 Write a letter to the Editor of The Times of India highlighting the rising trend of

cyberbullying among teenagers and recommending awareness measures.

22 Draft a letter to the editor of a national daily expressing your views on increasing road rage incidents in metropolitan cities.

23 You are concerned about the high cost of education in private schools. Write a letter to the editor suggesting ways to make education inclusive.

24 You are the Head Boy/Head Girl. Draft a notice informing students about a blood donation camp organized by your school in association with the Red Cross Society.

25 Your school is organizing a Cleanliness Drive in a nearby locality. Draft a notice inviting volunteers.

26 Draft a notice for an inter-house quiz competition, including date, time, venue, and last date to register.

27 You are the Cultural Secretary. Write a notice informing about auditions for an Annual Day play.

28 As the Head Boy/Head Girl of your school, draft a notice informing students about a workshop on 'Cyber Safety and Security' being organized in the school auditorium. Include details like date, time, and registration procedure.

29 You are Ankit/Ankita, a student of Class XII. Write an article in 150–200 words on "The Role of Online Education in the Modern World" for your school magazine.30 Write an article titled "Fitness: A Lifestyle Necessity in the Modern World" for your school magazine.

### PSYCHOLOGY

1. Practical work.

Write Practical - 1 AISS

Practical - 2 Self concept

questionnaire Practical -3 Sinha

comprehensive Anxiety test

Practical -4 David's battery of differential

abilities. Practical - 5 Multiple Intelligence test.

1. Choose any one topic and prepare case study:-

1.Depression

2.ADHD

3. Anxiety

4.OCD

5.Stress management.

2. Make a model on any one intellectual approach.

3. Watch any documentry movie on your topic of case study.

### **COMPUTER SCIENCE**

### CHAPTER 1, 2 & 3

### <u>PYTHON REVISION TOUR I & II, WORKING WITH</u> <u>FUNCTIONS ERROR FINDING OUESTIONS</u>

## Q1.Find error in the following code(if any) and correct code by rewriting code and underline the correction;-

x= int("Enter value of x:") for in range [0,10]: if x=y print( x + y) else: print( x-y)

### Q2.Rewrite the following program after finding and correcting syntactical errors and underlining it.

a, b = 0 if (a = b) a +b = c print( z)

## Q3.Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
250 = Number
WHILE Number<=1000:
if Number=>750 print (Number)
Number=N
umber+100
else
print(
Number*2)
Number=N
umber+50
```

## Q4.Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

Val = int(rawinput("Value:")) Adder = 0 for C in range(1,Val,3 ) Adder+=C if C%2=0: Print (C\*10) Else: print (Adder)print (C\*)

Q5.Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

Q6.Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. STRING=""WELCOME NOTE"" for S in range[0,8]:print (STRING(S))

# Q7.Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

a=int{input("ENTER FIRST NUMBER")} b=int(input("ENTER SECOND NUMBER")) c=int(input("ENTER THIRD NUMBER")) if a>b and a>c print("A IS GREATER") if b>a and b>c: Print(" B IS GREATER") if c>a and c>b: print(C IS GREATER)

Q8.Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

i==1
a=int(input("ENTER FIRST NUMBER"))
FOR i in range[1, 11];
print(a,"\*=", i,"=",a \* i)

Q9.Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

a="1" while a>=10: print("Value of a=",a) a=+1

Q10.Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

Num=int(rawinput("Numbe r:")) sum=0 for i in range(10,Num,3) Sum+=1 if i%2=0: print(i\*2) Else: print(i\*3 print Sum)

### **OUTPUT FINDING QUESTIONS**

### Q1.Find output generated by the following code:

p=10 q=20 p\*=q//3 q+=p=q \*\*2 print(p, q) **Q2.Find output generated by the following code:** String Str="Computer" Str[-4:] Str\*2

### Q3.Find out the output of the Following -

x=20 x=x+5 x=x-10 print (x) x, y=x-1,50 print (x, y)

**Q4.Find out the output of the Following** – for a in range(3,10,3):

for b in range(1,a,2):
print(b, end=' ') print()

### **Q5.FIND OUTPUT OF FOLLOWING**

x=10 y=5 for i in range(x-y\*2): print("%",i)

### Q6.Find output generated by the following code:

x="one" y="two" c=0 while c<len(x): print(x[c],y[c]) c=c+1

### Q7.Find output generated by the following code:

for i in range(-1,7,2):
for j in range(3): print(i,j)

### Q8.Find output generated by the following code:

string="aabbc c" count=3 while True: if string [0] == 'a': string=string[2:] elif string[-1]=='b': string =strin g[:2] else: coun t+=1 brea k print (stri ng) print (cou nt)

### **Q9.** Find output generated by the following code: x="hello world" print(x[:2],x[:-2],x[-2:]) print(x[6],x[2:4]) print(x[2:-3],x[-4:-2]) **OUTPUT AND ERROR BASED OUESTIONS ON FUNCTIONS IN PYTHON**

### Q1.Find the output of the following numbers:

Num = 20 Sum = 0 for I in range (10, Num, 3) Sum+=i if i%2==0: print i\*3

### Q2.Find the output of the following

Text="gma il@com" L=len(Text ) ntext="" for i in range (0,L): if text[i].isupper(): ntext=ntext+text[i].lower() elif text[i].isalpha(): ntext=ntext+text[i].upper() else: ntext=ntext+'bb'

### Q3.Find the output of the following-

def power (b, p): r = b \*\* P return r

def calcSquare(a): a = power (a, 2) return a

n = 5 result = calcSquare(n) print (result)

### Q4.Find the output of the following-

import math
print (math. Floor(5.5))

### Q5.Find the output

def gfg(x,l=[]) : for I in range(x): l.append(i\*i) print(l) gfg(2) gfg(3,[3,2,1]) gfg(3)

### Q6.Find the output of the following-

count =1
def dothis():
global count for I in
(1,2,3) count+=1
dothis() print
count

#### Q7.Find the output of the following-

def addem(x,y,z): Print(x+y+z) def prod(x,y,z): return  $x^*y^*z$ A=addem(6,16,26) B=prod(2,3,6) Print(a,b)

Q8. def Func(message,num=1): print(message\*num) Func('python') Func('easy',3)

```
Q9. def
Check(n1=1,n2=2)
n1=n1+n2
n2+=1
print(n1,n2)
Check()
Check(2,1)
Check(3)
Q. 10. a=10
def call():
global a a=15
b=20
print(a)
call()
```

#### **GENERAL THEORY OUESTIONS**

- 1. Differentiate between the round() and floor() functions with the help of suitable example.
- 2. Which string method is used to implement the following:
  - a. To count the number of characters in the string
  - b. To change the first character of the string in capital letter
  - c. To change lowercase to uppercase letter
  - d. To check whether the given character is letter or a number
- 3. What are default arguments ?
- 4. What is the difference between actual and formal parameters ?
- 5. What is a recursive function ?
- 6. What is the difference between built-in functions and modules?
- 7. What is the difference between local variable and global variable?
- 8. What are the advantages of writing functions with keyword arguments ?
- 9. What do you mean by scope of variables ?
- 10. Which of the following is valid arithmetic operator in Python: (i)// (ii)? (iii)< (iv)and
- **11. Write the type of tokens from the following:** (i) if (ii) roll no
- 12. Which of the following are valid operators in Python:

(i) **	(ii) */	(iii) like	(iv)
(v) is	(vi) ^	(vii) between	(viii) in

13. Which of the following can be used as valid variable identifier(s) in Python?

(1) 4thSum	(11) Total
(iii) Number#	(iv) _Dat

### PHYSICAL EDUCATION

#### **Chapter 1: Planning in Sports**

1. Define "planning in sports." What are its objectives?

2. Explain the different types of tournaments (e.g., league, knockout).

What are the advantages and disadvantages of each?

3. Discuss the importance of fixtures in a sports competition. How are

fixtures prepared?

- 4. What are the objectives of intramural and extramural sports? What is a tournament? What are the different types of tournaments?
- 5. Briefly explain the functions of Directing and Controlling to organize sports event.
- 6. Explain the meaning of specific sports programme? Write its contribution for society.

### **Chapter 2: Sports and Nutrition**

7. Explain the importance of a balanced diet for athletes. What are the different types of nutrients and their roles?

different types of nutrents and then roles.

- 8. What is the role of protein in sports performance?
- 9. Discuss the importance of carbohydrates and fats for athletes.
- 10. What are the different types of eating disorders? How can they affect athletes' health?
- 11. What are the potential risks of extreme dieting?
  - Make an assignment on "Yoga as preventive measures for lifestyle disease.

- Find the range of the following functions given by : f(x) = |x 3|1
- Redefine the function  $f(x) = |x 2| + |2 + x|, -3 \le x \le 3$ . 2

<sup>3</sup> Solve: 
$$\frac{5-2x}{3} \le \frac{x}{6} - 5$$
.

Three consecutive vertices of a parallelogram ABCD are A (3, -1, 2), B (1, 2, -4) and 4 C(-1, 1, 2). Find the fourth vertex.

- Find the ratio in which the line segment joining the points (4, 8, 10) and (6, 10, -8) is 5 divided by the YZ- plane.
- Find the point on z-axis which is equidistant from (1, 5, 7) and (5, 1, -4). 6

7 Find the conjugate of : 
$$\frac{(3-2i)(2+3i)}{(1+2i)(2-i)}$$
. 2

8 Express 
$$i^{15} - 3i^7 + 2i^{109} + i^{100} - i^{17} + 5i^3$$
. in the form  $(a + ib)$ . 2

9 Express 
$$(\sqrt{5} - \sqrt{3}i)(\sqrt{5} + \sqrt{3}i)^2$$
 in the form  $(a + ib)$ .

<sup>10</sup> Find the magnitude and conjugate of the number 
$$\left(\frac{1}{1-4}\right)$$

$$\left(\frac{1}{1-4i}-\frac{2}{1+i}\right)\left(\frac{3-4i}{5+i}\right).$$

2

2

2

2

4

4

4

4

4

<sup>11</sup> Find the multiplicative inverse of the following : 
$$\frac{(i+1)(i+2)}{(i-1)(i-2)}$$

<sup>12</sup> If 
$$z_1 = 2 + i$$
,  $z_2 = 2 - 3i$ ,  $z_3 = 4 + 5i$ , evaluate  $\operatorname{Re}\left(\frac{z_1 \cdot \overline{z}_2}{z_3}\right)$  4

13 Find the relation between x and y of a complex variable z = x + iy satisfying the

condition : 
$$\left|\frac{z-3}{z+3}\right| = 2$$
  
<sup>14</sup> If  $p + iq = \frac{(a-i)^2}{2a-i}$  show that  $p^2 + q^2 = \frac{(a^2+1)^2}{4a^2+1}$ .

15 Find the real numbers x and y, if 
$$(x - iy) (3 + 5i)$$
 is the conjugate of  $-6 - 24i$ .

<sup>16</sup> If 
$$z_1, z_2, z_3$$
 are complex numbers such that  $|z_1| = |z_2| = |z_3| = \left|\frac{1}{z_1} + \frac{1}{z_2} + \frac{1}{z_3}\right| = 1$ , then

find the value of  $|z_1 + z_2 + z_3|$ .

Find the value of  $|z_1 + z_2 + z_3|$ . Find domain and range of the real function f(x), defined by and  $f(x) = \begin{cases} 1-x, & x < 0 \\ 1, & x = 0 \\ x-1, & x > 0 \end{cases}$ 17

draw its graph.

18 Find domain and range of 
$$f(x) = \frac{x-2}{x-1}$$
.

<sup>19</sup> I.Q. of a person is given by formula I.Q. = $\frac{M.A.}{CA} \times 100$ , where M.A. stands for mental	4
age and C.A., stands for chronological age. If $75 \le I.Q. \le 135$ for a group of 9 year	
children. Find the range of their mental age.	
<sup>20</sup> Solve the inequality : $-3 < 4 - \frac{7x}{2} \le 18$ .	4
21 Solve the inequality : $2(x-1) < x+5$ , $3(x+2) > 2-x$	4
22 Find all pairs of consecutive odd natural numbers both of which are greater than 10, such that their sum is less than 40.	4
23In a class of 35 students, 17 have taken Mathematics, 10 have taken Mathematics but not Economics. Find the number of students who have taken both Mathematics and Economics and the number of students who have taken Economics but not Mathematics, if it is given that each student has taken either Mathematics or Economics or both.	4
<ul> <li>24Let U = {x ∈ N : x ≤ 8}, A = {x ∈ N : 5 &lt; x<sup>2</sup> &lt; 50} and B = {x ∈ N : x is prime number less than 10}. Draw a Venn diagram to show the relationship between the given sets. Hence list the elements of the following sets (i) A' (ii) B' (iii) A – B (iv) A ∩ B'</li> </ul>	4
<ul> <li>25In a class, 18 students took Physics, 23 students took Chemistry and 24 students took</li> <li>Mathematics. Of these 13 took both Chemistry and Mathematics, 12 took both Physics and Chemistry and 11 took both Physics and Mathematics. If 6 students offered all the three subjects, find : <ul> <li>(<i>i</i>) Total number of students in the class.</li> </ul> </li> </ul>	4
( <i>ii</i> ) How many took Mathematics but not Chemistry ?	
<ul> <li>(<i>iii</i>) How many took exactly one of the 3 subjects ?</li> <li>26 If L, M, N be the feet of the perpendicular segments drawn from a point P(3, 4, 6) on the XY, XZ, YZ planes respectively. What are the coordinates of L, M and N?</li> <li>(a) L(3, 0, 0), M(0, 0, 3), N(0, 6, 0)</li> <li>(b) L(3, 4, 0), M(3, 0, 6), N(0, 4, 6)</li> <li>(c) L(0, 0, 0), M(3, 0, 6), N(0, 4, 0)</li> <li>(d) L(3, 4, 6), M(3, 4, 6), N(3, 4, 6)</li> </ul>	1
27 The length of the longest piece of a string that can be stretched straight in a rectangular room whose dimensions are 10, 13 and 8 units is	1
Name the octant in which point $(4, -3, 5)$ lies.	1
Name the octant in which point $(4, -3, 5)$ lies.	1
Find the image of point $(-5, 4, -3)$ in the XOZ-plane.	1
31 Three vertices of a parallelogram ABCD are A (3, -1, 2), B (1, 2, -4) and C(-1, 1, 2). Find the coordinates of the fourth vertex.	1
32Three friends were having get together. Suddenly they decided to play with their names using sets. Name of friends were AARTI, CHARVI and AYSHA. They asked	4

(i) How letters used for AARTI are written in roster form as a set?

each other the following questions.

- (ii) What is the difference of set of letters of CHARVI and AYSHA?
- (iii) Form a union of sets taking the letters of names of friends.

Or

(iii) Form a set of intersection of sets taking the letters of names of friends.

33 After explaning operation on sets, Mathematics teacher in class wrote there sets as A =  $\{2, 3, 4, 5\}, B = \{6, 7, 8\},$ 

 $C = \{x : x \text{ is prime number less than 10}\}$ . She asked the students that the following questions will judge how much you have understood. She asked the students to write down the answers and later they can check from the answers written by teacher and give marks.

(i) Find  $A \cup B$ .

(ii) Find  $(A \cup B) \cap C$ .

(iii) Find (C - B).

Or

(iii) Find  $(A \cap C) - B$ .

34After the annual examinations some friends went to a mall for some purchases and on timing. One of the friends were keen to buy shirt and trousers. For shirt his choice of colours were "red, black, white, dark blue" and for trousers choice of colour were "black, white, grey" based on above information answer the following.

(i) How many combination of shirt and trousers are possible, irrespective of colour combinations?

(ii) With white and black shirt, how many combinations are possible of black trousers?

(iii) If we consider relation from set of shirts to set of trousers how many relations are possible?

### Or

(iii) If dark blue shirt is combined with any of trouser. In mathematical term will it represent a function?

35In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Choose the correct answer out of the following choices.

Assertion (A):  $\{x : x \text{ contains } 28 \text{ or } 29 \text{ days in a month depending upon the year"} \}$  is a singleton set.

Reason (R): A set containing one element is known as a singleton set.

(a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)

(b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A)

- (c) Assertion (A) is true but Reason (R) is false
- (d) Assertion (A) is false but Reason (R) is true

36 In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Choose the correct answer out of the following choices.

Assertion (A): In a set of prime numbers, any two elements are coprime.

1

1

4

Reason (R): HCF of two coprime numbers is 1.

(a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)

(b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A)

- (c) Assertion (A) is true but Reason (R) is false
- (d) Assertion (A) is false but Reason (R) is true
- 37In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Choose the correct answer out of the following choices.

1

Assertion (A): Set of real numbers can be taken as universal set for the set of natural numbers, set of whole numbers, set of integers, set of rational numbers, set of irrational numbers.

Reason (R): The set of natural numbers, the set of whole numbers, the set of integers,

the set of rational numbers, the set of irrational numbers are all real numbers also.

- (a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)
- (b) Both Assertion (A) and Reason (R) are true and Reason (R) is not the correct explanation of Assertion (A)
- (c) Assertion (A) is true but Reason (R) is false
- (d) Assertion (A) is false but Reason (R) is true