

**NIRMALA MATHA CENTRAL  
SCHOOL, THRISSUR**

**CLASS VIII**

**QUESTION BANK**

**PART III**

**2023-24**



## English

### I. Use the correct form of tenses.

1. If they \_\_\_\_\_ (be) rich, they would travel around the world.
2. The children \_\_\_\_\_ (go) skating if the lake were frozen.
3. What would you have done, if you \_\_\_\_\_ (lose) your handbag?
4. What will happen if you \_\_\_\_\_ (not know) the answer?
5. She \_\_\_\_\_ (go) on holiday, if she hadn't been ill.
6. If I \_\_\_\_\_ (notice) you, I would have said hello.
7. If I \_\_\_\_\_ (be) like you, I wouldn't watch such films.
8. If you opened your eyes, you \_\_\_\_\_ (see) a wonderful world.
9. People \_\_\_\_\_ (live) in peace if they stop fighting.
10. If Tom drinks so much, he \_\_\_\_\_ (cannot drive) home.
11. If we \_\_\_\_\_ (not hurry) we would miss the train.
12. He \_\_\_\_\_ (not spend) so much money if he weren't a happy person.
13. \_\_\_\_\_ (You, come), if you had had more time?
14. If Jim \_\_\_\_\_ (study) the new words he would have got a better mark.
15. If he were rich, he \_\_\_\_\_ (buy) the house.
16. If you don't hurry you \_\_\_\_\_ (be) late.
17. If it wasn't so hot, we \_\_\_\_\_ (play) football.
18. If I \_\_\_\_\_ (be) ill, would you visit me?
19. If Sean \_\_\_\_\_ (not be) driving so fast, the police would not have stopped him.
20. If I had sold my house, I \_\_\_\_\_ (get) 4 million pounds.
21. If I \_\_\_\_\_ (be) you I would I would do it.

## II. Complete the sentence in indirect speech.

1. **Mother to me:** Are you unwell today?

**I to mother:** No, Mummy, not at all.

**Mother:** Have you done any work today?

**I replied:** “Nothing”.

My mother asked me (a) \_\_\_\_\_. I replied to my mummy (b) \_\_\_\_\_. My mother again asked me (c) \_\_\_\_\_.

2. **Patient:** I want to see the doctor. I am very sick.

**Receptionist:** I am sorry. The doctor is very busy. You’ll have to wait for at least one hour.

A patient went to his doctor’s clinic and told the receptionist (a) \_\_\_\_\_. The receptionist (b) \_\_\_\_\_. She further added that (c) \_\_\_\_\_.

## III. Fill in the blanks using correct prepositions.

### Place or Position or Direction

1. He piled the books (above, on top of) the table.
2. He arrived (in, at) Switzerland last week.
3. You are ahead of me. Your name is (above, at the top of) the list.
4. Your score on the examination is well (above, over) average.

### Time

5. Did you meet Mr. Green (at, during) your stay in Savannah?
6. No, I did not see him because I was there (for, during) only two hours.
7. The train is (on, in) time. It will arrive (in, by) three hours.
8. Is your birthday (in, on) April? Mine is (in, on) April 7.
9. Come (by, on) 8:00 if you can; no one will be seated at the theater (after, since) 8:30.

### Miscellaneous

10. We accept your kind invitation (by, with) pleasure.
11. I should like to read that book (by, of) Ernest Hemingway.
12. There is no money (in, on) my purse.
13. The door (of, at) the house is painted red.
14. I prefer ice-cream (to, for) mojito.
15. He abstains (from, to) liquor.

### Answers.

- I.
1. If they were (be) rich, they would travel around the world.
2. The children would go (go) skating if the lake were frozen.
3. What would you have done, if you had lost (lose) your handbag?
4. What will happen if you don't know (not know) the answer?
5. She would have gone (go) on holiday, if she hadn't been ill.
6. If I had noticed (notice) you, I would have said hello.
7. If I were (be) like you, I wouldn't watch such films.
8. If you opened your eyes, you would see (see) a wonderful world.
9. People will live(live) in peace if they stop fighting.
10. If Tom drinks so much, he won't be able drive (cannot drive) home.
11. If we didn't hurry (not hurry) we would miss the train.
12. He wouldn't spend (not spend) so much money if he weren't a happy person.
13. Would you have come (You, come), if you had had more time?
14. If Jim had studied (study) the new words he would have got a better mark.

15. If he were rich, he would buy(buy) the house.
16. If you don't hurry you will be (be) late.
17. If it wasn't so hot, we would play (play) football.
18. If I was/were(be) ill, would you visit me?
19. If Sean had not driven (not be) driving so fast, the police would not have stopped him.
20. If I had sold my house, I would have got (get) 4 million pounds.
21. If I was/were (be) you I would I would do it.

## II. Indirect Speech.

1. My mother asked me if I was unwell that day. I replied to my mummy (b) that I was not at all well. My mother again asked me (c) if I had done any work that day.
2. A patient went to his doctor's clinic and told the receptionist (a) that he wanted to see the doctor as he was very sick. The receptionist (b) replied that she was sorry and the doctor was very busy. She further added that (c) he would have to wait for at least an hour.

## III. Prepositions.

### Place or Position or Direction

1. He piled the books on top of the table.
2. He arrivedinSwitzerland last week.
3. You are ahead of me. Your name is at the top of the list.
4. Your score on the examination is well above average.

### Time

5. Did you meet Mr. Green during your stay in Savannah?
6. No, I did not see him because I was there for only two hours.
7. The train is on time. It will arrive inthree hours.

8. Is your birthday on April? Mine is onApril 7.
9. Come by8:00 if you can; no one will be seated at the theater after8:30.

Miscellaneous

10. We accept your kind invitation withpleasure.
11. I should like to read that book of Ernest Hemingway.
12. There is no money in my purse.
13. The door ofthe house is painted red.
14. I prefer ice-cream to mojito.
15. He abstains from liquor.

\*\*\*\*\*

**മലയാളം**

**പാഠം 12**

**പൊട്ടിപ്പുറത്ത്**

1. “ഇന്നാണ് ചേട്ടാഭഗവതിയെ വീട്ടിൽ നിന്ന് അടിച്ചു പുറത്താക്കുക.” എന്നാണ് ആ ദിവസം?
2. ‘എനിക്കവന്റെ ചികിന്ദു നിൽക്കാൻ വയ്യ’ ഇങ്ങനെ പറഞ്ഞതാര്?
3. പൊട്ടി’യെന്നു കേട്ടപ്പോൾ ഉണ്ണിക്കുട്ടന്റെ മനസ്സിൽ തെളിഞ്ഞുവന്ന രൂപം ആരുടെയാണ്?
4. ഉണ്ണിക്കുട്ടന്റെ വീട്ടിൽ ചേട്ടാഭഗവതിയെ അടിച്ചു പുറത്താക്കാൻ നിയോഗിക്കപ്പെട്ടതാരാണ്?
5. എവിടെ നിന്നാണ് ഉണ്ണിക്കുട്ടൻ കാളിയമ്മയുടെ ശബ്ദം കേട്ടത്?
6. മുറവും മുറത്തിലെ സാധനങ്ങളും കാളിയമ്മ എവിടെയാണ് കളഞ്ഞത്?
7. ഉണ്ണിക്കുട്ടന്റെ അമ്മ മുറികളിൽ എന്താണ് പുകച്ചത്?
8. പൊട്ടിയെ പുറത്താക്കുന്നത് കാണാൻ സാധിക്കാത്തത് ആർക്ക്?
9. ‘അട്യേൻ വെടൊള്ളട്ടെ’ ഇങ്ങനെ മുത്തശ്ശിയോട് സമ്മതം ചോദിച്ചതാര്?
10. നന്തനാർ എന്ന തൂലികാനാമത്തിൽ അറിയപ്പെടുന്ന നോവലിസ്റ്റ് ആര്?

**പാഠം 13**

**കാർട്ടൂൺ**

1. ഇന്ത്യയിലെ ഏറ്റവും മഹാനായ കാർട്ടൂണിസ്റ്റ് ആര്?
2. ആറു കുരുടന്മാർ ആനയെ കാണാൻ പോയകഥ അടിസ്ഥാനമാക്കി കാർട്ടൂൺ വരച്ചത് ആര്?
3. രാഷ്ട്രീയനേതാക്കളുടെ വാചകമടിയെകുറിച്ച് കാർട്ടൂൺ വരച്ചത് ആര്?
4. കാർട്ടൂണുകളിൽ പ്രകാശം പൊഴിക്കുന്നത് എന്ത്?
5. കാർട്ടൂണിസ്റ്റുകൾ കാലുതൊട്ടുവന്ദിക്കേണ്ടതാരെയാണ്?
6. ഓരോ കാർട്ടൂണുകളിലും കാർട്ടൂണിസ്റ്റുകളുടെ മുഖ്യപ്രമേയം എന്ത്?
7. “തിരസ്കാരത്തിന്റെയും ആവലാതിയുടെയും കലയാണ്” - ഏത്?
8. ആരോഗ്യകരമായ വിമർശനത്തിനു ഹാസ്യത്തിന്റെ മധുരപ്പാവിടുന്നത് ആര്?



9. എൻ.പി. മുഹമ്മദിന് കേന്ദ്രസാഹിത്യ അക്കാദമി അവാർഡ് നേടിക്കൊടുത്ത കൃതിയേത്?

**പാഠം 14**

**കാറ്റേ കടലേ**

1. രാത്രിയിൽ എടുത്തുവെക്കാൻ മരുന്ന കിണ്ടി കളവുപോയതുപോലെ പുലർച്ചയ്ക്ക് കളവുപോയത് എന്ത്?
2. കവിയുടെ വീട് എവിടെയാണ്?
3. കുന്നുകളായ കുന്നുകളെല്ലാം ഇന്ന് എവിടെയ്ക്കാണ് പോകുന്നത്?
4. പേരുവിളിക്കുമ്പോൾ വരിവരിയായി ലോറിയിൽ കയറേണ്ട കുന്നുകൾ ഏതെല്ലാം?
5. നിരപ്പാക്കിയ കുന്ന് തലയിൽ ചുമന്ന് നിൽക്കുന്നത് എന്താണ്?
6. തലയ്ക്കുമീതെ പായുന്നത് എന്താണ്?
7. അപ്പുറത്തും ഇപ്പുറത്തും ആകാൻ പോകുന്നത് എന്ത്?
8. ബഷീറിന്റെ മതിലുകൾ എന്ന നോവലിൽ ചുള്ളികമ്പ് എറിയുന്ന കഥാപാത്രം ആര്?
9. പി.പി. രാമചന്ദ്രൻ പുനരാഖ്യാനം ചെയ്ത കവിത ഏത്?
10. 'കാറ്റേ കടലേ' എന്ന കവിത എഴുതിയത് ആര്?

**പാഠം 15**

**ദൈവം സത്യം കാണുന്നു. 'പക്ഷേ' വൈകിപ്പോകുന്നു**

1. ആക്സിയാനോവ് എന്ന യുവവ്യാപാരി ഏത് പട്ടണത്തിലായിരുന്നു താമസിച്ചിരുന്നത്?
2. സിനിമയിലെ വ്യാപാരമേളയ്ക്ക് പോകാൻ തയ്യാറായ ആക്സിയാനോവിനെ ഭാര്യ തടയാൻ കാരണമെന്ത്?
3. ആക്സിയാനോവിന്റെ ഭാര്യ കണ്ട ദുഃസ്വപ്നം എന്തായിരുന്നു?
4. ആക്സിയാനോവിനെ കൈകാലുകൾ കയറുകൊണ്ടു ബന്ധിച്ചപ്പോൾ ആക്സിയാനോവ് ചെയ്തത് എന്ത്?
5. ആക്സിയാനോവിന് സഹായം അഭ്യർത്ഥിക്കാൻ കഴിയുന്നത് ആരോടാണ്?

6. ഏത് കാരാഗൃഹത്തിലേയ്ക്കാണ് അക്സിയാനോവിനെ കൊണ്ടുപോയത്?
7. എത്ര വർഷമാണ് അക്സിയാനോവിന് ശിക്ഷ ലഭിച്ചത്?
8. ജയിലിൽ ബുട്ടുകൾ ഉണ്ടാക്കി കിട്ടിയ കുലികൊണ്ട് അക്സിയാനോവ് വാങ്ങിയത് എന്താണ്?
9. ജയിലിൽ കഴിഞ്ഞിരുന്ന കുറ്റവാളികൾ അക്സിയാനോവിനെ വിളിച്ചിരുന്നത് എങ്ങനെയാണ്?
10. വ്യാപാരിയെ കൊലപ്പെടുത്തിയ യഥാർത്ഥകുറ്റവാളി ആരായിരുന്നു?

## HINDI

### Lesson 12

#### सुदामा चरित

1. सुदामा की धोती कैसी थी?
2. द्वार पर कौन खड़ा था?
3. सुदामा की दीन दशा देखकर कृष्ण ने क्या किया?
4. सुदामा पोटली कहाँ छिपा रहे थे?
5. गुरुमाता ने खाने को क्या दिया?
6. भाभी ने कृष्ण को देने के लिए क्या भेजा?
7. कृष्ण का दूसरा नाम।
8. सुदामा की झोपड़ी कैसी थी?
9. सुदामा चरित किसने लिखी है?
10. द्वार पर खड़े ब्राह्मण ने अपना नाम क्या बताया?

### Lesson 18

#### टोपी

1. खोते से बाहर चिड़िया कब निकलती है?
2. खोते में वापस कब आते है?
3. खोते पर पहुँचने पर वे क्या करते है?
4. आदमी को क्या फबता है?
5. गवरा को क्या चुग गया है?
6. गवरैया को क्या चाहिए?
7. एक दिन गवरैया को क्या मिला?
8. फाहा लेकर गवरैया पहले किसके पास गई?

9. धुनिया के पास से वह कहाँ गई?
10. टोपी बनाने के लिए वह कहाँ कहाँ गई?
11. दर्जी ने टोपी पर कितने फुँदने लगाए
12. गवरइया राजा के महल जाकर कहाँ बैठी?
13. राजा क्या कर रहा था?
14. टोपी वापस मिलने पर राजा ने क्या कहा?
15. 'टोपी' पाठ का लेखक कौन है?

## Science- Physics

### Chapter 10

#### Sound

#### I. MCQ

1. The voice box is called as  
a) stomach          b) heart          c) larynx          d) mouth
2. The hearing range of human ear is  
a) 20 Hz to 20,000 Hz      b) Less than 20 Hz  
c) More than 20,000 Hz      d) 20 Hz to 25,000 Hz
3. Pitch of sound is determined by its  
a) frequency          b) speed          c) amplitude          d) loudness
4. Cochlea is a part of  
a) hearing organ          b) sound producing organ  
c) muscular organ          d) air pollution
5. 1 hertz is equal to  
a) 1 vibration per minute          b) 10 vibrations per minute  
c) 60 vibrations per minute          d) 600 vibrations per minute

#### II. Fill in the blanks.

6. In human beings sound is produced by .....
7. Sound of frequency lower than 20 Hz is called the .....
8. The ..... nerve is also present in the inner ear.
9. The speed of sound is maximum in .....
10. Above ..... the noise becomes physically painful.

#### III. Name the following

11. A musical instrument which produces sound by blowing air into it -
12. Two animals which can hear ultrasonic waves -
13. What name is given to the to and fro motion of a vibrating body about its mean position?

14. What is the range of ultra sonic waves?
15. What name is given to a circular membrane at the end if the innear ear?

**IV. Wrtie True or False and correct the false statement.**

16. Sound can travel through vacuum.
17. The more is the amplitude of a body, the less is its loudness.
18. Sound travels slower in water as compared to air.
19. A property which distinguishes a loud sound from a feeble sound of the same frequency is called loudness.
20. Material medium is necessary for the propagation of sound.

**V. Short Answer Questions**

21. Which part of the following musical instruments vibrates to produce sound?
22. Why is the lightning seen at once, but the clap of thunder heard after some time?
23. Why we are able to hear sound of a clock clearer at night than in day?
24. When we speak and hear, does any part of our body vibrate? Name them.
25. Suppose a bell is ringing in vacuum. Will you able to hear the sound?

**Chemistry**

**Chapter 14**

**Chemical Effects of Electric Current**

**I. MCQ**

1. Flow of electron is called
  - a) electrolyte
  - b) electroplating
  - c) electrodes
  - d) electric current
2. An electric lamp glows due to
  - a) heating efferct
  - b) magnetic effect
  - c) chemical effect
  - d) physical effect

3. Electroplating prevents
  - a) corrosion      b) passing of current
  - c) dissociation      d) shining
4. Which of the following does not conduct electricity?
  - a) Sugar Solution      b) Vinegar Solution
  - c) Lemon Juice Solution      d) Caustic Soda Solution
5. Electroplating is based on
  - a) heating effect of electricity
  - b) chemical effect of electricity
  - c) physical effect of electricity
  - d) magnetic effect of electricity

**II. Fill in the blanks.**

6. A cation has ..... charge.
7. Light emitting diodes (LED) glow even when a ..... electric current flows through it.
8. Chromium has a ..... appearance.
9. An electrolyte is a .....
10. The deflection in ..... shows that current is passing.

**III. Name the following**

11. Two metal objects which have a coating of another metal.
12. Metal which is plated on handle bars of cycles and rim of wheels -
13. Three effects of electric current -
14. Part of the bulb that glow -
15. Part of an atom which is responsible for flow of current -

**IV. Write True or False and correct the false statement.**

16. Most liquids that conduct electricity are solutions of acids, bases and salts.
17. Rubber is a good conductor of electricity.

18. Tap water conducts electricity.
19. Jewellery makers electroplate silver and gold on expensive metals.
20. In an LED bulb, the shorter lead is connected to the negative terminal of the battery.

**V. Short Answer Questions**

21. Why do most liquids conduct electricity?
22. What do we get on electrolysis of acidified water?
23. Why is a layer of zinc coated over iron?
24. What do we see when the compass needle is brought near a wire in which current is flowing?
25. Which metal is electroplated on iron for making cans?

**Biology**

**Chapter 10**

**Reaching the Age of Adolescence**

Multiple Choice Questions:-

1. The belief that the mother is completely responsible for the sex of the child is wrong because the child
  - (a) gets sex chromosome only from the mother.
  - (b) develops in the body of the mother.
  - (c) gets one sex chromosome from the mother and the other from the father.
  - (d) gets sex chromosome only from the father.
2. AIDS can spread from an infected person to another person through
  - (a) sharing food
  - (b) blood transfusion
  - (c) sharing comb
  - (d) a mosquito bite



3. Given below are events that lead to pregnancy and development of embryo.
- (i) Fertilization of egg
  - (ii) Maturation of egg
  - (iii) Release of egg
  - (iv) Embedding of embryo in thickened uterine wall.
- Which of the following options gives the correct order of sequence in which they occur?
- (a) i, ii, iii, iv,                      (b) ii, i, iii, iv
  - (c) i, iv, ii, iii                      (d) ii, iii, i, iv.
4. For the metamorphosis of tadpoles which of the following elements must be available in water?
- (a) chlorine              (b) carbon              (c) sulphur              (d) iodine
5. The reproductive phase of a woman lies between her \_\_\_\_\_ and menopause.
- a) menstrual cycle              b) menstruation
  - c) menarche                      d) ovulation
6. A female gamete carries \_\_\_\_\_ chromosome(s).
- a) one Y    b) one X and one Y    c) two X              d) one X
7. Deficiency of iodine in our diet leads to a condition called:
- a) Diabetes insipidus              b) Goitre
  - c) Gigantism                      d) Infertility
8. Read the following sentences carefully, and choose the incorrect one:
- a) Testosterone hormone produces male secondary sexual characteristics in boys at puberty (such as deeper voice, growth of facial hair etc.)
  - b) Testosterone hormone causes “growth spurt” in boys at puberty.

- c) Testosterone hormone causes the growth and development of male sex organs at puberty.
  - d) None of the above.
9. Priya is writing some statements, choose the correct statement and help her:
- a) In a frog, metamorphosis is brought about by thyroxine hormone.
  - b) The production of thyroxine hormone requires the presence of iodine in water.
  - c) All the amphibians need thyroxine hormone to undergo metamorphosis and change from larva into adults.
  - d) All the above.
10. Which of the following is a mis-matched pair?
- a) Adrenaline : Pituitary gland
  - b) Estrogen : Ovary
  - c) Pancreas : Insulin
  - d) Testosterone : Testis

#### Assertion and Reason Questions

- a) Assertion and reason both are correct statement and reason is correct explanation for assertion.
  - b) Assertion and reason both are correct statement and reason is not correct explanation for assertion.
  - c) Assertion is correct statement but reason is wrong statement.
  - d) Assertion is wrong statement but reason is correct statement.
- 1.) **Assertion-** change in height , voice , in body shape are the sign of puberty.  
**Reason-** the several changes are observe during adolescence are called puberty.
- 2) **Assertion-** Girls have high pitched voice , whereas boys have a deep voice.

**Reason-** Because the voice is depend upon the growth of larynx.

- 3) **Assertion-** endocrine glands called ductless glands.

**Reason-** they don't release hormones directly into the blood streams.

- 4) **Assertion-** the growth of hairs on face that is moustaches and beard.

**Reason-** this is primary sexual characters in male.

- 5) **Assertion-** the changes which occurs at adolescence are controlled by hormones.

**Reason-** hormones are chemical substances secretion from endocrine glands.

- 6) **Assertion-** there are 23 pairs of chromosomes in human cell.

**Reason-** chromosomes is a thread like structure present in nuclei of the cell.

- 7) **Assertion-** balanced diet is very important at the age of adolescence.

**Reason-** the meal include proteins , carbohydrates, fats and vitamins are known as balanced diet.

**Answer the Questions:-**

1. Name the hormone
  - a. That is released by testes at the onset of puberty.
  - b. Produced by ovaries that helps in development of mammary glands.
2. Mention any two features each that are seen in boys and girls each to distinguish them from each other at puberty.
3. We should avoid taking medicines/drugs unless prescribed by a doctor. Give reasons.
4. In human females, each time during maturation and release of egg the inner wall of uterus thickens. Is this thickening permanent? Give reasons.
5. What is the role of pituitary gland .Name the hormone secreted by it.
6. Write short note on reproductive phase in human.

7. Define the terms:
  - a. Menstruation
  - b. Menarche
  - c. Menopause
8. Why are drugs harmful to body?
9. Write short note on AIDS.
10. How is sex of a child determined?
11. List some secondary sexual characters in females?
12. What happens when the egg is fertilised?
13. Which hormone is released by pancreas? What is its function?
14. John and Radha were classmates since childhood. When Radha became eleven years old, she developed a little swelling on her neck. She visited the doctor who started medication for her. After a few years, John also developed a slight protrusion on his throat. He got worried and went to the doctor. But, the doctor assured him that it was a normal feature in boys while they are growing up. Can you think of any reasons for the difference in diagnoses?
15. Why we should not take medicines or drugs unless prescribed by a doctor?

## **History**

### **Chapter 11**

#### **The National Movement : First Phase**

1. .... feeling was a major factor that contributed to the rise of nationalism.
2. The policies of the Viceroy ..... intensified discontent against British rule.
3. In which year a lavish Imperial Durbar was held in Delhi?
4. Name the act which forbade Indians from possessing arms.
5. Association formed by Surendranadh Banerjee in 1851?
6. When and who formed the INC?
7. The group of people who dominated the early years of INC.
8. Two methods of fighting adopted by radicals against British.
9. When and who was responsible for the partition of Bengal?
10. Which day was observed as a day of mourning?
11. Two methods of struggle adopted after the partition of Bengal.
12. In which session the two groups in Congress re-united?
13. Two active revolutionary Societies in India.
14. The Revolutionary association which was active in Europe and America.
15. Indian Councils Act was popularly known as .....
16. Write a short note on the formation of INC.

### **Chapter 12**

#### **The National Movement - Second Phase**

1. The first movement in which Gandhiji got involved.
2. What is Government of India Act of 1919 popularly known as
3. Which day is observed as National Humiliation Day?
4. Name the General who was responsible for Jallianwala Bagh Massacre.

5. Religious head of the muslim community.
6. Name the title that Gandhiji gave up as a part of Non Co-operation Movement.
7. Which incident forced Gandhiji to withdraw non co-operation movement?
8. Which movement is related to Dandi March?
9. Slogan gave by Gandhiji which inspired the entire nation during Quit India Movement.
10. Indian National Army is also known as .....
11. Who gave the slogan 'Delhi Chalo' and 'Jai Hind'?
12. Women's regiment in Indian National Army.
13. Who was the viceroy of India during the time of independence?
14. When was Gandhiji shot shed?
15. Mention the events related to the following years
  - a) August 1942    b) 1931            c) 1930            d) 1919
  - e) 1920            f) February 1922
16. Explain the role of INA under the leadership of Subash Chandra Bose.

### **Social and Political Life**

#### **Chapter 5**

#### **The Police and the Courts**

1. Who files the charge sheet?
2. Which article of our constitution guarantees rights regarding portection against arrest?
3. The ..... is the primary law enforcement agency.
4. Full form of FIR.
5. When was the right to information act was enforced?
6. Which is the largest prison complex in South Asia?

7. What is the interjail cultural events organised for the inmates of Tihar jail called
8. Who is the head of the police hierarchial set up at the District level?
9. The lawyer who presents the complainant's case.
10. The quantum of punishment depends upon the ..... and ..... of the crime committed.
11. The lawyer who is been hired by the accused to defend his case.
12. The police files a charge sheet in the .....
13. Why do you think the court cannot act on its own?

## **Geography**

### **Chapter 5**

#### **Agriculture**

1. What do you mean by Arable land?
2. Shifting cultivation is also known .....
3. Clayey soil has high ..... capacity.
4. Hot and ..... climate favour agriculture.
5. Which among the following is the cultivation of flower.  
a) floriculture      b) horticulture      c) pisciculture      d) sericulture
6. Which among the soil is more fertile?
7. What are estates?
8. The word transhumance is related to which type of farming?
9. Which among the following is tertiary activity?  
a) Industry      b) Fishing      c) Forestry      d) Education
10. Define Agriculture.
11. Choose the correct pair  
a) Subsistence farming - Crop rotation  
b) Shifting cultivation - slash and burn method

- c) Sedentary farming - nomadic herders
- d) Extensive farming - Thickly populated areas
- 12. Industrial revolution started in ..... century.
- 13. What is mixed farming?
- 14. Mention the economic factors that can affect agriculture.
- 15. Compare and contrast extensive and intensive farming.
- 16. Who are nomades? Give the features of nomadic herding.
- 17. How can you divide the economic activities in India. Give examples.
- 18. How soil and climate will affect the agriculture?
- 19. “Agriculture is the backbone of the economy” - Explain.

## **Chapter 7**

### **Manufacturing Industries**

- 1. .... in Maharashtra is the largest centre and is rightly called the ....
- 2. What do you meant by virtual learning?
- 3. Which among the following is classified on the basis of minerals?  
a) Paper    b) Iron and steel    c) Textile    d) Rayon
- 4. Give one example for private sector industries.
- 5. Find the odd one.  
Tata steel, Relience, Hindustan Motors, Amul
- 6. Which industry is also known as basic industry?
- 7. What is pigiron?
- 8. Name any one Iron and steel mill in India.
- 9. PNB is a ..... sector industry.
- 10. Complete the following  
ginning, spinning, ....., ....., printing
- 11. The first modern cotton textile mill in India was established in .....  
in 1854.
- 12. What is manufacturing?



13. How can you classify the industries on the basis of raw material?
14. Differentiate between large scale and small scale industries.
15. “Manufacturing helps to remove poverty and unemployment.” Give your views.
16. Explain the factors affecting the location of industries.
17. “It has brought phenomenal changes in all aspect of life” - Explain.
18. Describe the growth and development of cotton textile industries.
19. Explain the industrial system of Iron and steel industry.

## **Chapter 9**

### **Human Resources**

1. Which among the following is the greatest resource on earth?  
a) land    b) soil    c) human beings    d) technology
2. Define density of population.
3. Define annual growth rate of population.
4. What is population pyramid?
5. The age of the elderly depends should be ..... years and above.
6. Eastern and southern Asia are ..... populated.
7. Explain the factors affecting distribution of population.
8. Explain the population composition.
9. How population growth will affect the economic development of the country?
10. How migration of people will affect population distribution.

**Mathematics**  
**Chapter - 8**  
**Comparing Quantities**

**I. Fill in the blanks:-**

1. The ratio 4:25 converted to percentage is .....
2. The fraction  $\frac{1}{8}$  converted to percentage is .....
3. 40% of 50 students of a class are good at science. Number of students not good at science are .....
4. Reenu purchased a cycle for Rs. 1000 and sold it for Rs. 1200. Her gain % is .....
5. If M.P = 1300, Discount = 10%, then SP is .....

**II. Find the following.**

1. There are 24% boys in a school. If number of girls is 456 find total number of students in the school.
2. Find the compound interest on ₹2400 at 5% per annum for 2 years compounded annually.
3. A machinery worth ₹10,500 depreciated by 5%. Find its value after one year.
4. Compute the amount and the compound interest in each of the following by using the formula:
  - i) Principal = 12800, Rate =  $7\frac{1}{2}$ % p.a.  
Time = 3 years compounded annually.
  - ii) Principal = Rs. 31250, Rate = 8% p.a.  
Time = 2 years compounded annually.

5. Samir bought a shirt for Rs. 336 including 12% VAT and a neck tie for Rs. 110 including 10% VAT. Find the printed price (without VAT) of shirt and neck tie together.
6. Amit purchased a motorcycle having marked price Rs. 46000 at a discount of 5%. If VAT is charged at the rate of 10% find the amount Amit has paid to purchase the motorcycle.
7. A colour TV is available for Rs. 13,440 inclusive of VAT. If the original cost of TV is Rs. 12000, find the rate of VAT.

## Chapter - 13

### Direct and Inverse Proportions

#### I. Choose the correct answer.

1. A train is running at a speed of 75 km/hr. What distance will it cover in 20 minutes?  
a) 15 km                      b) 20 km                      c) 23 km                      d) 25 km
2. If 15 workers can build a wall in 48 hours, how many workers will be required to do the same work in 30 hours?  
a) 15                              b) 14                              c) 24                              d) 30
3. If  $\frac{x_1}{y_1} = \frac{x_2}{y_2}$  and  $x_2 = 7.2$ ,  $y_1 = 8.8$ ,  $y_2 = 3.6$  then  $x_1$  is equal to  
a) 17.6                              b) 14.4                              c) 9.9                              d) 4.4
4. Which of the following vary inversely with each other?  
a) Speed and distance covered  
b) Distance covered and taxi fare  
c) Distance travelled and time taken  
d) Speed and time taken

5. A machine produces 1800 tools in 6 hours. The number of tools produced by it in 9 hours is  
 a) 2700                      b) 5400                      c) 3600                      d)900

**II. Fill in the blanks**

- If  $x = 5y$ , then  $x$  and  $y$  vary ..... with each other. (inversely/directly)
- The perimeter of a circle and its diameter vary ..... with each other. (directly/inversely)
- If  $x$  varies inversely as  $y$ , and  $x_1 = 1.5$ ,  $y_1 = 60$ ,  $y_2 = 4.5$  then  $x_2 = \dots\dots$
- The rate of working power of two men are in the ratio 3 : 5. The number of days taken by them to finish a work will be in the ratio ....  
(5: 3 or 3 : 5)
- The distance travelled by a rickshaw in one hour is 10 km, then the distance travelled by the same rickshaw with the same speed in one minute is ..... m.

**III. Answer the following.**

- The cost of 27 kg of iron is ₹1080, what will be the cost of 120 kg of iron of the same quality?
- Find P and Q in the following table if  $x$  and  $y$  vary inversely.

x	p	200	300
y	60	30	q

- If 25 meters of cloth costs ₹337.50 then
  - what will be the cost of 40 metres of the same type of cloth?
  - what will be the length of the cloth bought for ₹810?
- 44 cows can graze a field in 9 days. How many less/more cows will graze the same field in 12 days?
- In a scout camp, there is food provision for 300 cadets for 42 days. If 50 more persons join the camp, for how many days will the provision last?

6. Complete the table (find a, b and c) if x and y vary directly.

x	3.5	4	7.5	c
y	a	8	b	21

7. A train travels 112 km in 1 hour 30 minutes with a certain speed. How many kilometers will it travel in 4 hours 45 minutes with the same speed?
8. Six pumps working together empty a tank in 28 minutes. How long will it take to empty the tank if 4 such pumps are working together?
9. There are 100 students in a hostel food provision for them is for 20 days. How long will these provisions last, if 25 more students join the group?
10. 36 men can complete a work in 20 days. Find the number of days in which the work will be done by 12 men.

## Chapter - 14

### Factorisation

#### I. Fill in the blanks.

1.  $4x^3yz^2 \div 2xyz = \dots\dots\dots$
2.  $x^2 + 16x + 64 = (x + 8) \times \dots\dots\dots$

3.  $\frac{x^2 - a^2}{x + a} = \dots\dots\dots$

4.  $\frac{6.25x^2 - 1.21y^2}{2.5x - 1.1y} = \dots\dots\dots$

5. The value of  $(3x^2 + 6) \div 3$  is  $\dots\dots\dots$

#### II. Write True or False.

1.  $(x - 2)$  is one of the factors of  $x^2 + 4$
2.  $x^2 - 9$  is completely divisible by  $x + 3$
3. The factors of  $x^2 - 1$  are  $(x - 1)$  and  $(x + 1)$
4. The factors of  $x^2 + x + 1$  are  $(x + 1)$  and  $(x + 1)$
5. The factors of  $6x^2 - 216$  are 6,  $(x - 6)$  and  $(x + 6)$

### III. Factorise the following expressions.

- $25x^2y^2 - 16$
- $k^2 + 6k + 8$
- $x^4 - y^4$
- $10xy + 4x + 5y + 2$
- $a^4 - (b + c)^4$
- $25x^2 - 4y^2 + 28yz - 49z^2$
- $2b^2 + 8ab + 4ac + bc$
- $15x^2y^3z + 25x^3y^3z + 35x^2y^2z^2$
- $(x^2 - 2xy + y^2) - z^2$
- $(a^2 - 5a)^2 - 36$
- $a^2 - 14a - 51$
- $40 + 3x - x^2$

### IV. Workout the following divisions

- $10y(6y + 21) \div 5(2y + 7)$
- $39x^3(50x^2 - 98) \div 26x^2(5x + 7)$
- $4x^2 + 16x + 16 \div 2x + 4$
- $(4x^2 - 100) \div 6(x + 5)$
- $(3b - 6a) \div (30a - 15b)$
- $(ax^2 - ay^2) \div ax + ay$
- $-72a^4b^5c^8 \div -9a^2b^2c^3$

V. Find  $\frac{121b^2 - 88bc + 16c^2}{11b - 4c}$

VI. Simplify:  $2a^2(b^2 - c^2) + b^2(2c^2 - 2a^2) + 2c^2(a^2 - b^2)$

## Chapter - 15

### Introduction to Graph

- The temperature of a patient, admitted in a hospital with typhoid fever, taken at different times of the day are given below. Draw the temperature-time graph to represent the data:

Time(in hours):	6:00	8:00	10:00	12:00	14:00	16:00	18:00
Temp. (in °F):	102	100	99	103	100	102	99

2. The sales of a shopkeeper in the first week of January 2002, are given below:

Date:	1	2	3	4	5	6	7
Sales(in Rs)	5000	5100	4900	5800	6000	5500	5200

Draw a graph representing the above data.

3. A certain amount of water was heated and the temperature at different intervals of time was observed as shown in the table given alongside:  
Draw a temperature-time graph from  $t = 0$  minute to  $t = 15$  minutes. Use this graph to answer the following questions:

Time (t) in minutes	0	2	4	8	9	10
Temperature(T) in $^{\circ}\text{C}$	10	30	50	90	100	100

- What is the temperature of water at  $t = 7$  minutes?
  - What is the temperature after 12 minutes?
  - After how many minutes is the temperature  $60^{\circ}\text{C}$ ?
  - After how many minutes of heating, does the temperature remain constant? Why is it so?
4. The sale of a shopkeeper in the first week of January 2008 is given below:

Date	1	2	3	4	5	6	7
Sale (in ₹)	4000	4200	4000	5000	5400	5800	5200

Represent the above table using a graph.

5. The temperature of a place measured from 6 a.m. to 6 p.m. at intervals of 2 hours is given below: Draw a graph to represent the above information. Using this graph, find the following

Time	6am	8am	10am	12noon	2pm	4pm	6pm
Temp. ( $^{\circ}\text{C}$ )	9	12	15	22	26	23	14

- a) Temperature at 7 a.m.
  - b) Temperature at 1 p.m.
  - c) Time before noon, when the temperature was  $20^{\circ}\text{C}$ .
  - d) Time, to nearest minute, when the temperature was  $25^{\circ}\text{C}$ .
6. Given below is a table of the stretch of a spring in a balance. Draw a graph on the basis of this table.

Stretch (in cm)	0.5	1	1.5	2
Weight (in g)	200	400	600	800

7. A car travelled for 14 hours, starting at 4:00 hours. The speed of the car at different hours is given below.

Time	4:00	6:00	8:00	10:00	12:00	14:00	16:00	18:00
Speed (in km/h)	35	50	60	70	80	60	55	40

Draw a graph to represent the above data.

8. A metal ball is heated and its temperature is noted at different intervals as shown in the following table:

Draw the corresponding temperature-time graph and answer the following questions:-

Time (t) in seconds	0	2	5	8	12	16
Temp. (T) in $^{\circ}\text{C}$	10	18	22	25	35	50

- a) What is the temperature of the ball when  $t = 4\text{s}$ ?
  - b) What is the temperature of the ball when  $t = 10\text{ s}$ ?
  - c) After how many seconds is the temperature of the ball  $40^{\circ}\text{C}$ ?
  - d) What is  $t$  when  $T = 55^{\circ}\text{C}$ ?
9. The table given alongside gives the temperature in  $^{\circ}\text{C}$  and its corresponding value in  $^{\circ}\text{F}$ .

Draw a graph by taking temperature in  $^{\circ}\text{C}$  on X- axis and  $^{\circ}\text{F}$  on Y-axis



Temp. (°C)	20	40	60	80	100
Temp. (°F)	60	100	140	180	210

10. The following table shows the displacement of a body at different times.

Draw a displacement-time graph to describe the motion of the body.

Time (in s)	0	1	2	3	4
Displacement (in m)	2	4	6	9	12

\*\*\*\*\*

