



# RJ VISION PVT. LTD.

Code  
**A**

## RJ – CET (2015 – 16)

(Entrance cum Scholarship Test)

### COURSE - SAMEEP (CLASS 7<sup>TH</sup>)

(Test Syllabus - Class 6<sup>th</sup>)

TIME : 1 HR MM : 160

This Booklet contains \_\_\_\_\_ pages

**Important Instructions :**

1. The test is of **1 hour** duration and Test Booklet contains **40** questions. Each question carries **4** marks. For each correct response, the candidate will get **4** marks. For each incorrect response, **one mark** will be deducted from the total scores. The maximum marks are **160**.
2. Use **Blue/Black Ball point pen only** for writing particulars on this page/markings responses.
3. Rough work is to be done on the space provided for this purpose in the Test Booklet only.
4. **On completion of the test, the candidate must handover the Answer Sheet to the invigilator in the Room/Hall.**
5. Use of white fluid for correction is **NOT** permissible on the Answer Sheet.
6. Each candidate, must show on demand his/her Admission Card to the Invigilator.
7. No candidate, without special permission of the Superintendent or Invigilator, would leave his/her seat.
8. Use of Electronic/Manual Calculator is prohibited.
9. No part of the Booklet and Answer Sheet shall be detached under any circumstances.
10. The candidates will write the Correct Test Booklet Code as given in the Test Booklet/Answer Sheet Attendance Sheet.

Do not open this Test Booklet until you are asked to do so.

Name of the Candidate (in Capitals) : \_\_\_\_\_

Roll Number : \_\_\_\_\_

School : \_\_\_\_\_

Centre of Examination (in Capitals) (Vasna / Niz / Anand / Others) \_\_\_\_\_

Candidate's Signature : \_\_\_\_\_ Invigilator Signature : \_\_\_\_\_

1. Which of the following modes of transport is different from others:
  - (1) Bus
  - (2) Car
  - (3) Truck
  - (4) Bullock cart
2. Select the one that records the distance travelled by a vehicle.
  - (1) Manometer
  - (2) Speedometer
  - (3) Odometer
  - (4) None of these
3. Which of the following should be used to record the time most accurately?
  - (1) Pendulum clock
  - (2) Quartz watch
  - (3) Watch with balance wheel
  - (4) All of these are equally accurate
4. An electric cell is used as a source of electricity in :
  - (1) wrist watches
  - (2) alarm clocks
  - (3) transistor radios
  - (4) All of these
5. Choose the best conductor of electricity
  - (1) Silver
  - (2) Copper
  - (3) Iron
  - (4) Lead
6. Electric wires are made of
  - (1) a conducting material
  - (2) aluminium
  - (3) copper
  - (4) All the above
7. Electric wires are covered with
  - (1) a conducting material
  - (2) insulators
  - (3) Both the above
  - (4) None of these
8. Select the fibre that is obtained from a plant source.
  - (1) wool
  - (2) silk
  - (3) cotton
  - (4) both silk and cotton
9. Cotton bolls are
  - (1) plants of cotton plant
  - (2) seeds of cotton plant
  - (3) stem of cotton plant
  - (4) fruits of cotton plant
10. Which one of the following well known persons was a weaver?
  - (1) Raheem
  - (2) Kareem
  - (3) Kabir
  - (4) Tulsi Das
11. Which method will be used to remove tea leaves from brew ?
  - (1) Hand picking
  - (2) Filtration
  - (3) Threshing
  - (4) Any of these
12. Which of the following is not used in filtration?
  - (1) Filter
  - (2) Filter funnel
  - (3) Thresher
  - (4) All of these
13. The process that is reverse of boiling is
  - (1) condensation
  - (2) evaporation
  - (3) vaporization
  - (4) freezing
14. A change is called physical change because in it
  - (1) only change in physical properties takes place
  - (2) transfer of energy takes place
  - (3) can be easily reversed
  - (4) All of the above
15. Which of the following are ingredients of Dal?
  - (1) Dal
  - (2) Water
  - (3) Salt
  - (4) All of these

16. The process of taking in food and utilizing it for the growth and development is known as

- (1) nutrient
- (2) nutrition
- (3) ingredient
- (4) None of these

17. Brinjal is an important ingredient for preparation of brinjal curry. The part of brinjal plant that is source of this ingredient is

- (1) root
- (2) stem
- (3) flower
- (4) fruit

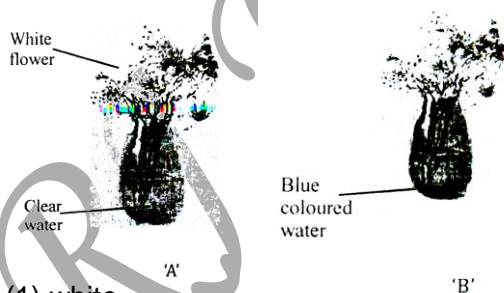
18. The source of honey (a food article) is

- (1) plant
- (2) animal
- (3) human beings
- (4) Both (1) and (2)

19. The stem of a mango tree is

- (1) thick
- (2) hard
- (3) thick and hard
- (4) None of these

20. Look at the figures below and try to guess the colour of flower in fig. 'B' after few hours ? The colour of flower will most likely be



- (1) white
- (2) blue
- (3) red
- (4) half blue and other half red

21. Smallest negative number

- (1) - 1
- (2) - 10
- (3) 0
- (4) does not exist

22. Solve  $\left[\frac{3}{8}\right] \div \left[-\frac{24}{27}\right]$

- (1)  $\frac{1}{3}$
- (2) 1.33
- (3)  $\frac{1}{9}$
- (4) None of these

23. Insert the correct number in the box :

$$\frac{28}{35} = \frac{\square}{30}$$

- (1) 24
- (2) 23
- (3) 20
- (4) 7

24.

$$\begin{array}{r} 267 \\ \times 54 \\ \hline 1068 \\ 1035 \\ \hline 11418 \end{array}$$

In the above calculation, the answer 11,418 is incorrect due to a mistake in one of the digits.

The incorrect digit is

- (1) 0
- (2) 1
- (3) 3
- (4) 5

25. Which of the following fractions will be in middle if the given fractions are arranged in the descending order of their values ?

$$\frac{9}{17}, \frac{13}{26}, \frac{7}{15}, \frac{5}{8}, \frac{3}{7}$$

- (1)  $\frac{7}{15}$
- (2)  $\frac{9}{17}$
- (3)  $\frac{13}{26}$
- (4)  $\frac{5}{8}$

26. What is the reciprocal of  $\frac{1}{a-3b}$  when

$$b = \frac{a}{3}?$$

- (1)  $a - 3b$
- (2) 0
- (3) 1
- (4) 6

27. Which of the following equations has  $x = 2$  as a solution?

- (1)  $x + 2 = 5$
- (2)  $x - 2 = 0$
- (3)  $2x + 1 = 6$
- (4)  $x + 3 = 6$

28. The ratio of two numbers is  $a : b$ . If one of them is  $x$ , then other is :

- (1)  $\frac{ab}{x}$                       (2)  $\frac{b}{ax}$   
 (3)  $\frac{b}{a+b}x$                 (4)  $\frac{bx}{a}$

29. If two angles in a triangle are  $65^\circ$  and  $85^\circ$ , then the third angle is

- (1)  $30^\circ$                       (2)  $45^\circ$   
 (3)  $60^\circ$                       (4)  $90^\circ$

30. If ABCD is a parallelogram, then  $\angle A - \angle C =$  \_\_\_\_\_

- (1)  $180^\circ$                       (2)  $0^\circ$   
 (3)  $360^\circ$                       (4)  $90^\circ$

31. The sum of angles of a quadrilateral is

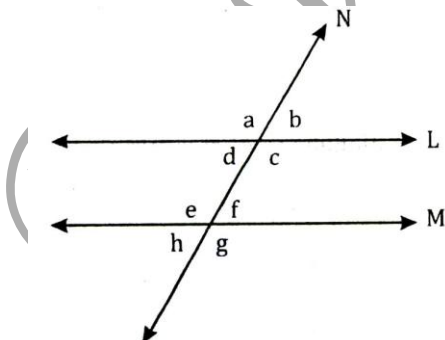
- (1)  $180^\circ$   
 (2)  $360^\circ$   
 (3)  $270^\circ$   
 (4) None of these

32. Number of line segments in figure is



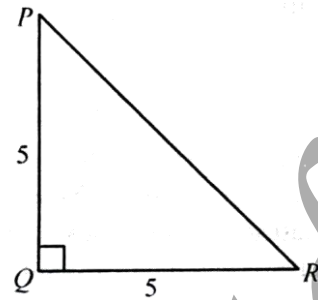
- (1) 5                              (2) 10  
 (3) 15                              (4) 20

33. In the adjoining figure line  $L \parallel$  line  $M$  and line  $N$  is the transversal. Which of the following line is one of the pairs of alternative angles ?



- (1)  $\angle a$  &  $\angle e$   
 (2)  $\angle d$  &  $\angle f$   
 (3)  $\angle b$  &  $\angle f$   
 (4)  $\angle d$  &  $\angle e$

34. In figure.  $PQ \perp RQ$ , and  $PQ = 5$  cm,  $QR = 5$  cm. Then  $\Delta PQR$  is



- (1) a right triangle but not isosceles  
 (2) an isosceles right triangle  
 (3) isosceles but not a right triangle  
 (4) neither isosceles nor right triangle

35. The interior angle of regular polygon exceeds its exterior angle by  $60^\circ$ . The name of this polygon is ?

- (1) pentagon                      (2) hexagon  
 (3) decagon                      (4) octagon

36. What number should replace the question mark ?

$2836 : 13 ; 9423 : 14 ; 7229 : ?$

- (1) 16                              (2) 18  
 (3) 20                              (4) 12

37. Complete the series : 13, 24, 46, 90, 178,.....

- (1) 354  
 (2) 266  
 (3) 364  
 (4) 344

38. If A to the south of B and C is to the east of B, in what direction is A with respect to C?

- (1) North-east  
 (2) North-west  
 (3) South-east  
 (4) South-west

39. Ramakant walks northwards. After a while, he turns to his right and a little further to his left. Finally, after walking a distance of one kilometre, he turns to his left again. In which direction is he moving now ?

- (1) North                          (2) South  
 (3) East                              (4) West

40. The number of odd days in leap year is...

- (1) 1                                  (2) 2  
 (3) 3                                  (4) 4

# ANSWERS SAMEEP (CLASS 7TH)

<b>Q</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Ans</b>	4	3	2	4	1	4	2	3	4	3	2	3	1	1	4
<b>Q</b>	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
<b>Ans</b>	2	4	2	3	2	4	4	3	1	1	2	2	4	1	2
<b>Q</b>	31	32	33	34	35	36	37	38	39	40					
<b>Ans</b>	2	2	2	2	4	1	1	4	4	2					