RRB RPF

TEST SERIES

DATE- __/__/__

DAY- _____

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 05

QUESTION- 120   MARKS- 120   NEGATIVE MARK- 1/3   DURATION- 90 MIN.

1. USE ONLY BALL PENS WITH BLACK OR BLUE INK

2. AS SOON AS THE EXAMINATION STARTS, YOU MUST CHECK THIS QUESTION BOOKLET AND IF THERE IS ANY UNPRINTED, MUTILATED OR PARTIALLY PRINTED PAGE OR QUESTION IN IT, THEN REPLACE IT WITH THE CORRECT QUESTION BOOKLET THROUGH THE EXAMINER.

3. THERE ARE A TOTAL OF 120 QUESTIONS IN THIS QUESTION BOOKLET.

4. THIS IS AN OBJECTIVE TEST, IN WHICH FOUR OPTIONS ARE GIVEN FOR THE ANSWER TO EACH QUESTION, YOU HAVE TO CHOOSE ONLY ONE OPTION WITH THE CORRECT ANSWER OUT OF THESE FOUR OPTIONS.

5. ANSWERS TO ALL QUESTIONS ARE TO BE WRITTEN ON SEPARATE ANSWER SHEETS.

6. INSTRUCTIONS FOR FILLING THE ANSWER SHEET ARE WRITTEN ON THE BACK SIDE OF THE ANSWER SHEET, READ THEM CAREFULLY BEFORE FILLING THE ANSWER SHEET.

7. BLANK PAGES ARE AVAILABLE IN THIS QUESTION BOOKLET FOR ROUGH WORK.

8. CANDIDATES CANNOT LEAVE THE ROOM BEFORE THE END OF THE EXAMINATION.

9. AFTER THE EXAMINATION IS OVER, YOU CAN GO OUT ONLY WITH HIS PERMISSION AFTER SUBMITTING THE ORIGINAL COPY OF THE ANSWER SHEET TO THE INVIGILATOR.

10. AFTER THE COMPLETION OF THE EXAMINATION, THE CANDIDATE IS ALLOWED TO TAKE THE QUESTION BOOKLET AND ANSWER SHEET WITH HIM/HER.

11. 1 MARKS WILL BE GIVEN FOR EACH CORRECT ANSWER AND 1/3 MARKS WILL BE DEDUCTED FOR EACH WRONG ANSWER.

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Total: 120 Que.	RPF Set 05	Time: 90 Min.

General Awareness

1). With which of the following sports are the teams 'Chennai Superstarz', 'Awadhe Warriors' and 'Mumbai Rockets' associated?

(a) Kabaddi   **(b)** Badminton   **(c)** Football

(d) Hockey

2). At the 65th Filmfare Awards, the film 'Gully Boy' did NOT win the award for which of the following categories?

(a) Best Director   **(b)** Best Playback Singer (Male)

(c) Best Actor in a Leading Role   **(d)** Best Film

3). One of the main reasons for the defeat of Nawab Siraj-ud-daulah in the Battle of Plassey was that the forces led by _____, one of his commanders, never fought the battle.

(a) Mir Khalifa   **(b)** Mahabat Khan   **(c)** Mir Jafar

(d) Mir Jumla II

4). The phenomenon whereby the female gamete undergoes development to form new organisms without fertilisation in some organisms like rotifers, honey bees, some lizards and birds is called:

(a) Apomixis   **(b)** Parthenogenesis   **(c)** Budding

(d) Fragmentation

5). Lal Bahadur Shastri was born on _____.

(a) 12 October 1904   **(b)** 2 October 1869

(c) 2 October 1904   **(d)** 12 October 1869

6). The climate of Assam can be described as:

(a) Tropical monsoon rainfall climate

(b) Tropical dry climate

(c) Sub-tropical humid climate

(d) Mountain climate

7). Which of the following statements is NOT true about the game of Kho Kho?

(a) It is one of the oldest traditional tag games of India

(b) Ten players take the field in the beginning to start the match

(c) It is a team game

(d) Three defenders of opposite team try to avoid being touched by the chasers

8). According to a law postulated by _____, the amounts of different substances liberated by the same quantity of electricity passing through the electrolytic solution are proportional to their chemical equivalent weights.

(a) John Dalton   **(b)** Joseph Fourier

(c) Michael Faraday   **(d)** Alfred Nobel

9). Netaji Subhash Chandra Bose wrote the book:

(a) Poverty and Un-British Rule in India

(b) The Indian Struggle   **(c)** Unhappy India

(d) Anandamath

10). Bhootada Kola is a spiritual folk dance in which some rituals involve walking on a bed of hot coal and is practised in coastal districts of _____.

(a) Kerala   **(b)** Tamil Nadu   **(c)** Karnataka

(d) Andhra Pradesh

11). The Ashok Chakra Class-III was renamed as the _____ in 1967.

(a) Vir Chakra   **(b)** Mahavir Chakra

(c) Shaurya Chakra   **(d)** Kirti Chakra

12). In India, tertiary coals occur in Assam, Arunachal Pradesh, Nagaland and _____.

(a) Mizoram   **(b)** Gujarat   **(c)** Tripura

(d) Meghalaya

13). Gandhiji's first major public appearance was at the opening of the Banaras Hindu University (BHU) in _____.

(a) January 1918   **(b)** September 1915

(c) December 1917   **(d)** February 1916

14). The picture shown here is the symbol of the _____.

(a) Samajwadi Party   **(b)** Janata Dal (United)

(c) All India Trinamool Congress

(d) Communist Party of India Marxist

15). In pre-independent India, Dadabhai Naoroji was the first to discuss the concept of a _____.

(a) Bread line   **(b)** Subsistence level

(c) Poverty line   **(d)** Living wage

16). Name the scheme launched by the Government of India in 2015–16 with an aim to ensure water security through per capita availability of water in the country.

(a) Jal Kranti Abhiyan   **(b)** Polavaram Project

(c) Atal Bhujal Yojana   **(d)** Namami Gange

17). ._____ is a festival of Zoroastrian origin which marks the day of vernal equinox in March every year and is celebrated by Parsis in India.

(a) Pateti   **(b)** Jamshedi Navroz   **(c)** Khordad Sal

(d) Frawardigan

18). Actor Kamal Haasan is the Founder President of the political party _____.

(a) Dravida Thelugar Munnetra Kalagam

(b) Marumalarchi Thamizhakam

(c) Makkal Needhi Maiam

(d) Thayaka Marumalarchi Kazhagam

19). _____ solids are formed by the three-dimensional arrangements of cations and anions bound by strong coulombic (electrostatic) forces.

(a) Metallic   **(b)** Covalent   **(c)** Ionic   **(d)** Molecular

20). With which of the following sports are the teams 'Bengal Warriors', 'Haryana Steelers' and 'Bengaluru Bulls' associated?

(a) Hockey   **(b)** Cricket   **(c)** Kabaddi   **(d)** Football

21). _____ is one of the important crafts of Uttar Pradesh which entails delicate traditional hand embroidery on fabrics like chiffon, muslin, organza, organdie and silk.

(a) Crochet   **(b)** Needle lace   **(c)** Chikankari

(d) Knitting

22). When is National Statistics Day celebrated?

(a) 22 June   **(b)** 23 June   **(c)** 21 June

(d) 29 June

23). What are the organisms like bacteria, viruses, fungi, protozoa, worms etthat cause diseases in humans?

(a) Predators   **(b)** Antigens   **(c)** Fruit eaters

(d) Germs

24). Maria Irudayam, who is a two-time world champion and a nine-time national champion, is associated with the game of _____.

(a) Table tennis   **(b)** Carrom   **(c)** Chess

(d) Badminton

25). Neeru-Meeru is a watershed management programme in the state of _____.

(a) Odisha   **(b)** Rajasthan   **(c)** Andhra Pradesh

(d) Maharashtra

26). _____ is a situation of very low rate of interest in the economy where every economic agent expects the interest rate to rise in future and consequently bond prices to fall, causing capital loss.

(a) Liquidity trap   **(b)** Revenue deficit

(c) Parametric shift   **(d)** Paradox of thrift

27). Who has recently become the new Director General of NTA?

(a) Akhil Gupta   **(b)** Pradeep Singh Kharola

(c) Chirag Srivastava   **(d)** Piyush Sharma

28). _____ waves include visible light waves, X-rays, gamma rays, radio waves, microwaves, ultraviolet and infrared waves.

(a) Electromagnetic   **(b)** Mechanical   **(c)** Magnetic

(d) Electric

29). A policy which involves fixing the maximum size of land which could be owned by an individual is called _____.

(a) Land ceiling   **(b)** Land capping

(c) Land mapping   **(d)** Land jamming

30). _____ is a naturally occurring phenomenon that is responsible for the heating of the Earth's surface and atmosphere.

(a) Greenhouse effect   (b) Radiation

(c) Global warming   (d) Global heating

---

31). Solubility of gases in liquids _____ with decrease in temperature.

(a) Remains constant

(b) First decreases and then increases

(c) Increases   (d) Decreases

---

32). Where have the world's oldest termite mounds been found recently?

(a) Australia   (b) Indonesia   (c) South Africa

(d) Jordan

---

33). _____ are also known as heat waves.

(a) Infra-red waves   (b) Gamma rays

(c) Light waves   (d) X-rays

---

34). Which city has recently become India's first literary city in the UNESCO list?

(a) Gwalior   (b) Ahmedabad   (c) Kozhikode

(d) Chennai

---

35). In a galvanic cell, the half-cell in which oxidation takes place is called _____ and it has a negative potential with respect to the solution.

(a) cathode   (b) diode   (c) triode   (d) anode

---

36). Who has been suspended by NADA once again for violating anti-doping rules?

(a) Ravi Dahiya   (b) Bajrang Punia

(c) Yogeshwar Dutt   (d) Sushil Kumar

---

37). 'The Man-Eater of Malgudi' is written by:

(a) KR Narayan   (b) RK Narayan   (c) RK Laxman

(d) KR Laxman

---

38). An unexpected rise in sales of a product leads to _____.

(a) planned decumulation of inventory

(b) unplanned decumulation of inventory

(c) unplanned accumulation of inventory

(d) planned accumulation of inventory

---

39). Kadsa is a dance style performed by women in Jharkhand, carrying a _____.

(a) Kalasha   (b) Kamandalu   (c) Kumbha

(d) Kapala

---

40). 'An Enquiry into the Nature and Cause of the Wealth of Nations' is an influential work by economists _____.

(a) Alfred Marshall   (b) John Maynard Keynes

(c) Millicent Fawcett   (d) Adam Smith

---

41). Where has India's first pilot project for underground coal gasification been started recently?

(a) Bihar   (b) Chhattisgarh   (c) Jharkhand

(d) Kerala

---

42). Which of the following statements is NOT true about C Rajagopalachari?

(a) He was the founder of the Swatantra Party

(b) He was the first Indian to become the Governor General of India

(c) He was the first recipient of the Padma Shri Award

(d) He was a senior leader of the Congress

---

43). _____ Law of independent migration of ions states that limiting molar conductivity of an electrolyte can be represented as the sum of the individual contributions of the anion and action of the electrolyte.

(a) Schrödinger   (b) Feynman   (c) Kohlrausch

(d) Dirac

---

44). Gandhiji hoped that by coupling non-cooperation with _____, India's two major religious communities, Hindus and Muslims, could collectively bring an end to colonial rule.

(a) Swadeshi Movement   (b) Sepoy Mutiny

(c) Civil Disobedience Movement

(d) Khilafat Movement

---

45). Tumours that normally remain confined to their original location and do not spread to other parts of the body and cause little damage are called _____ tumours.

(a) Benign   (b) Malignant   (c) Active

(d) Premalignant

46). In order to overturn the British rule through arms, the Kakori Conspiracy was planned by the members of the _____ in 1925 .

(a) Hindustan Republican Association

(b) Indian National Congress

(c) Indian National Army   **(d)** Gadar Party

47). The _____ is a single string musical instrument made using bamboo and a gourd, mostly used by traditional folk singers in Maharashtra.

(a) Edakka   **(b)** Ektara   **(c)** Ekkalam   **(d)** Esraj

48). Which Indian state is bordered by Bhutan and Arunachal Pradesh to the north; Nagaland and Manipur to the east; Meghalaya, Tripura, Mizoram and Bangladesh to the south; and West Bengal to the west?

(a) Tripura   **(b)** Arunachal Pradesh   **(c)** Sikkim

(d) Assam

49). The Coinage Act, 2011, allows the issuing of coins up to the denomination of Rs. _____ in India.

(a) 5,000   **(b)** 100   **(c)** 500   **(d)** 1,000

50). The phenomenon of deviation of light rays from their original path, when they pass from one medium to another, is called _____.

(a) Reflection   **(b)** Refraction   **(c)** Obstruction

(d) Diffraction

Arithmetic

1). Find the value of $\dfrac{0.216 + (1.7)^3}{0.36 - 1.02 + (1.7)^2}$

(a) 2.3   **(b)** 4.7   **(c)** 2.1   **(d)** 1.9

2). Ramesh lent out 40% of a certain sum at the annual rate of 15% at simple interest, he lent 50% of the remaining at the annual rate of 10% and the rest amount was lent out at 18% per annum. Find the annual interest rate on total sum.

(a) 13.4%   **(b)** 14.33%   **(c)** 14.4%   **(d)** 13.33%

3). The value of $\dfrac{137 \times 137 + 137 \times 133 + 133 \times 133}{137 \times 137 \times 137 - 133 \times 133 \times 133}$ is

(a) 4   **(b)** $\frac{1}{4}$ **(c)** 270   **(d)** $\frac{1}{270}$

4). $(0.1 \times 0.01 \times 0.001 \times 10^7)$ is equal to

(a) 100   **(b)** $\frac{1}{10}$ **(c)** $\frac{1}{100}$ **(d)** 10

5). The ratio of oil and kerosene in the container is 3 : 2. When 10 litres of the mixture is taken out and is replaced by the kerosene, then the ratio becomes 2:3. The total quantity of the mixture in the container is

(a) 25 litres   **(b)** 30 litres   **(c)** 45 litres

(d) cannot be determined

6). How many numbers divisible by 10 can be made by using digits 0, 2, 5, 6 and 8 if no digit is repeated?

(a) 120   **(b)** 24   **(c)** 12   **(d)** 6

7). A and B can complete the work in 15 days and 10 days respectively. They started doing a work together but after 2 days, B had to leave and A alone completed the remaining work. The whole work was completed in

(a) 8 days   **(b)** 10 days   **(c)** 12 days   **(d)** 16 days

8). If $(4)^{7.5} \times (4)^{2.5} \div (16)^{1.5} = 4^x$ then find the value of x.

(a) 7   **(b)** 11   **(c)** 5   **(d)** 9

9). The average of the marks of 30 boys is 88, and when the top two scores were excluded, the average marks reduced to 87.5. If the top two scores differ by 2, then the highest mark is:

(a) 94   **(b)** 96   **(c)** 92   **(d)** 90

10). X and Y are two stations which are 280 km apart. A train starts at a certain time from X and travels towards Y at 60 km/h. After 2 hours, another train starts from Y and travels towards X at 20 km/h. After how many hours does the train leaving from X meets the train which left from Y?

(a) 4 hours   **(b)** 3 hours   **(c)** 6 hours   **(d)** 2 hours

11). Which of the following pairs is co-prime?

(a) (13,221)   **(b)** (247,101)   **(c)** (31,217)

(d) (23, 207)

12). The average weight of 18 boys in a group is 35 kg. If four new boys of weights 20 kg, 22 kg, 26 kg and 28 kg are added to the group, then what is the average weight of the newly formed group?

(a) 34 years   (b) 32 years   (c) 35 years

(d) 33 years

---

13). In a mixture of 60 litres, the ratio (by volume) of milk and water is 2: 1. If X litres of water is added ¡n the mixture. The ratio of milk and water becomes 1: 2. then what is the value of X?

(a) 40   (b) 56   (c) 20   (d) 60

---

14). Average of 11 numbers is 32. If the average of first six numbers is 26 and the average of last six numbers is 36 then what is the value of the sixth number?

(a) 20   (b) 26   (c) 32   (d) 30

---

15). A train crosses a pole and 400 m long platform in 15 seconds and 25 seconds respectively. What will be the time taken by the train to cross a 200 m long platform?

(a) 20 s   (b) 15 s   (c) 17 s   (d) 25 s

---

16). Pipe A can completely fill an empty tank in 11 hours. Pipe B can empty the same completely filled tank in 15 hours. If they are opened together, in how much time the empty tank will get filled?

(a) 49 hours 45 minutes   (b) 41 hours 15 minutes

(c) 39 hours 15 minutes   (d) 47 hours 30 minutes

---

17). The LCM of two numbers is 114 times their HCF. If the sum of LCM and HCF is 2300 and one of the numbers is 380, find the other number.

(a) 140   (b) 160   (c) 120   (d) 190

---

18). What is the fourth proportional to 136, 17, 296?

(a) 37   (b) 33   (c) 47   (d) 6

---

19). A train takes 3 hours less for a journey of 560 km, if its speed is increased by 24 km/h from its usual speed. How much time will it take to cover a distance of 308 km at its usual speed?

(a) 3.85 hours   (b) 5.5 hours   (c) 4.5 hours

(d) 5.25 hours

---

20). If the probability of Rohan winning a chess match is 0.83, what is the probability of his losing the match

(a) 0.17   (b) 0.23   (c) 0.56   (d) 0.54

---

21). If x = 43 × 19 − 21 ÷ 5 × 31 + 23.7; then which of the following is true?

(a) 250 < x < 650   (b) 130 < x < 580

(c) 370 < x < 720   (d) None of these

---

22). The marked price of an article is Rs.840. After two successive discounts of 20% and x%, it is sold for Rs.638.40. What is the value of x?

(a) 10   (b) 5   (c) 15   (d) 12

---

23). The marked price of a mobile phone is Rs. 6000 more than the cost price. If the mobile phone was sold at 15% discount on the marked price then the gain was Rs. 3000. By what percentage above the cost price the mobile phone should be sold to gain Rs. 4200?

(a) 20   (b) 15   (c) 30   (d) 10

Direction: Study the bar graph carefully and answer the following questions.

The bar graph shows the number of students who were selected for four different IITs in various graduate programs during the years 2018 and 2019.

---

24). The total number of students selected in IIT Mumbai and IIT Kanpur together in the year 2018 is how much less than the total number of students selected in IIT Roorkee and IIT Delhi together in the year 2019?

(a) 300   (b) 250   (c) 200   (d) 350

---

25). What is the ratio of the total number of students selected in 2018 in all four IITs to the total number of students selected in 2019 in all four IITs?

(a) 77:76   (b) 75:77   (c) 77:75   (d) 76:77

---

26). The total number of students selected for IIT Delhi in 2018 and 2019 together is what percent more than the total number of students selected for IIT Roorkee in 2018 and 2019 together?

(a) 25.45%   **(b)** 27.78%   **(c)** 29.78%   **(d)** 28.57%

---

27). The salaries of Ram, Balram and Shyam are in the ratio 3: 6 : 5. If the salaries are hiked by 33.33%, 16.66% and 20% respectively, then find the ratio of increased salaries.

(a) 6 : 7 : 4   **(b)** 4 : 7 : 6   **(c)** 7 : 9 : 6   **(d)** 6 : 9 : 7

---

28). The sum of the number of male and female students in an institute is 100. If the number of male students is x, then the number of female students becomes x% of the total number of students. Find the number of male students.

(a) 65   **(b)** 50   **(c)** 60   **(d)** 45

---

29). On selling 38 balls at Rs.2,240, there is a loss equal to the cost price of 6 balls. The cost price of a ball is equal to:

(a) Rs.60   **(b)** Rs.70   **(c)** Rs.50   **(d)** Rs.80

---

30). Rita's income is 15% less than Richa's income. By what percent is Richa's income more than Rita's income?

(a) $14\frac{11}{17}$%   **(b)** $15\frac{11}{17}$%   **(c)** $16\frac{11}{17}$%

(d) $17\frac{11}{17}$%

---

31). A solid metallic sphere of radius 15 cm is melted and recast into spherical balls of radius 3 cm each. What is the ratio of the surface area of the original sphere and the sum of the surface areas of all the balls?

(a) 1 : 5   **(b)** 5 : 27   **(c)** 1 : 10   **(d)** 3 : 40

---

32). A can do a piece of work in 15 days. B is 25% more efficient than A, and C is 40% more efficient than B, A and C work together for 3 days and then C leaves. A and B together will complete the remaining work in:

(a) 3 days   **(b)** $2\frac{1}{2}$ days   **(c)** 4 days

(d) $3\frac{1}{2}$ days

---

33). To a circle with centre at O, two tangents AP and AQ are drawn from an external point A. If the ∠PAQ = 80°, then the ∠POQ is:

(a) 70°   **(b)** 80°   **(c)** 100°   **(d)** 90°

---

34). A sum amounts to Rs.7,562 in 4 years and to Rs.8,469.44 in 5 years at a certain rate per annum when the interest is compounded yearly. If Rs.10,000 is borrowed for two years at the same rate of interest, then what will be the compound interest (in Rs.) ?

(a) 2,544   **(b)** 2,764   **(c)** 1,965   **(d)** 1,736

---

35). The value of

$$3\frac{1}{3} \div 2\frac{1}{2} \text{ of } 1\frac{3}{5} + \left(\frac{3}{8} + \frac{1}{7} \times 1\frac{3}{4}\right) \text{ is:}$$

(a) $\frac{55}{24}$ **(b)** $\frac{35}{24}$ **(c)** $\frac{25}{24}$ **(d)** $\frac{5}{24}$

General Intelligence & reasoning

1). Find out the wrong number in the given series:

62, 46, 34, 24, 16, 10

(a) 62   **(b)** 46   **(c)** 34   **(d)** 24

---

2). In each of the following number series is a wrong number, find out wrong number.

1, 4, 25, 256, 3125, 46656, 823543

(a) 3125   **(b)** 823543   **(c)** 46656   **(d)** 25

---

3). Consider the following statement:
The Third World War, if it ever starts, will end very quickly with the possible end of civilization. It is only the misuse of nuclear power that will trigger it.
Based on the above statement, which one of the following inferences is correct?

(a) Nuclear power will be used in the Third World War.

(b) There will be no civilization left after the Third World War.

(c) The growth of nuclear power will destroy civilization in the long run.

(d) The Third World War will not take place.

---

4). All good athletes want to win and all athletes who want to win eat a well-balanced diet; therefore all athletes who do not eat a well-balanced diet are bad athletes.
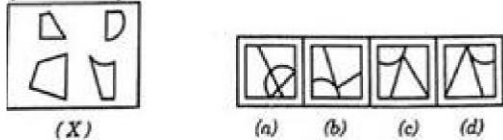The best conclusion from this statement is that-

(a) no bad athlete wants to win.

(b) no athlete who does not eat a well-balanced diet is a good athlete.

(c) every athlete who eats a well-balanced diet is a good athlete.

(d) all athletes who want to win are good athletes.

---

5). In the following question find out which of the answer figure can be formed from the pieces given in figure X.

(a) Figure (a)   (b) Figure (b)   (c) Figure (c)

(d) Figure (d)

6). In the following question, select the related letters from the given alternatives.

NPR : GHI :: TVX : ?

(a) JKL   (b) KLM   (c) IJK   (d) IKL

---

7). In the following question, select the related number from the given alternatives.
3 : 30 :: 7 : ?

(a) 310   (b) 320   (c) 340   (d) 350

---

8). Identify the diagram that best represents the relationship among the given classes.
Mensuration, Geometry, Trigonometry, Mathematics

(a)

(b)

(c)

(d)

---
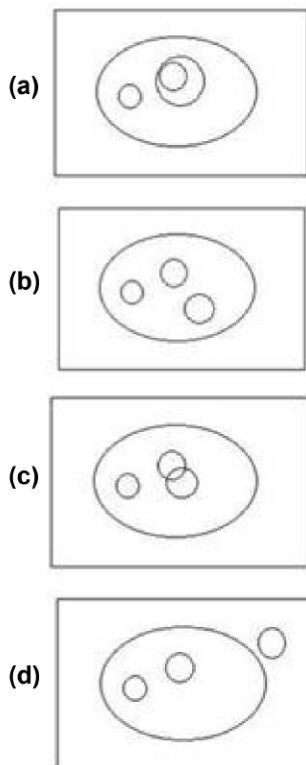
9). Bhargav is in the north of Bhairav at a distance of 7m who is 17m to the north-west of Manas. Manas moves 3m towards north direction and

reach at point P. Point P is in which direction with respect to Bhargav?

(a) South-West   (b) South-East   (c) North-East

(d) North-West

---

10). A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

MNO, TUV, BCD, KLM,?

(a) UWV   (b) UVW   (c) WUV   (d) VUW

---

11). In the given figure below, the triangle represents Singer, the circle Dancer, the rectangle Actor and square engineer. Find out the engineer who are dancer and actor but not singer?
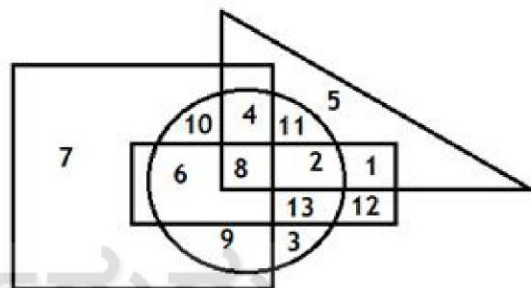
(a) 6   (b) 8   (c) 2   (d) 11

---

12). Three of the following four words are alike in a certain way and one is different. Find the odd one out.

(a) Lawyer   (b) Doctor   (c) Engineer

(d) Education

---

13). In the following question, select the odd word from the given alternatives.

(a) India   (b) North America   (c) Europe

(d) Australia

---

14). Pointing to a man, Ashok says, "he is my elder brother's wife's father-in-law", then how is the man related to Ashok?

(a) Cousin   (b) Father   (c) Uncle   (d) Son

---

15). A girl is facing west direction. She turns in the clockwise direction 45° and 180° respectively. She then turns 270° in the anticlockwise direction. Which direction is she facing now?

(a) South   (b) North-east   (c) West

(d) South-west

---

16). Direction: In each question below is given a statement followed by two assumptions

numbered I and II. An assumption is something supposed or taken for granted. You have to consider the following assumption and decide which of the assumption is implicit in the statement.

Statement: The Municipal Corporation has announced 60% reduction in the water supply till monsoon arrives in the city X.
Assumptions:
I. The Municipal Corporation may reduce its taxes from the residents as it failed to provide adequate water.
II. Against this unilateral decision of the Municipal Corporation, people may decide to conduct a protest.

(a) If only I implicit.   (b) If only II implicit.

(c) If both I and II are implicit.

(d) If neither I nor II implicit.

---

17). Select the correct mirror image of the given figure when the mirror is placed at line AB.


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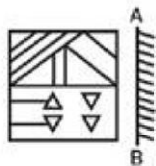
18). In a certain code language, 'REASON' is written as 'SDBRPM'. What is the code for 'NGLISH' in that code language?

(a) PGMIUH   (b) OFMHTG   (c) PGNIUH

(d) OEMHTG

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19). In a certain code language, 'PAPER' is written as 'UFUJW'. What will be the code for 'MOURN' in that code language?

(a) SUBXT   (b) RTAWS   (c) RTZWS   (d) SUAXT

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20). Study the given pattern carefully and select the figure that will complete the pattern given in the question figure.

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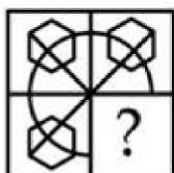
21). A person travels in North-East direction for 17 km, then he travels 8 km in the south direction. How far he is from his starting position?

(a) 10 km   (b) 8 km   (c) 15 km   (d) 12 km

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22). It was Sunday on 27 January 2002. What will be the day on 27 January 2022?

(a) Thursday   (b) Friday   (c) Tuesday

(d) Wednesday

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23). A + B means A is the uncle of B.
A - B means A is the sister of B.
A ÷ B means A is the mother of B.
A x B means A is the son of B.
In expression P - Q x R + S ÷ T, how is Q related to T?

(a) Maternal uncle   (b) Fraternal uncle

(c) Maternal aunt   (d) Fraternal aunt

---

24). A statement followed by some conclusions are given below.

Statement: Nowadays, life has become very difficult without a mobile phone.

Conclusions:

I. Total number of mobile subscribers is increasing.

II. Mobile has become an integral part of life.

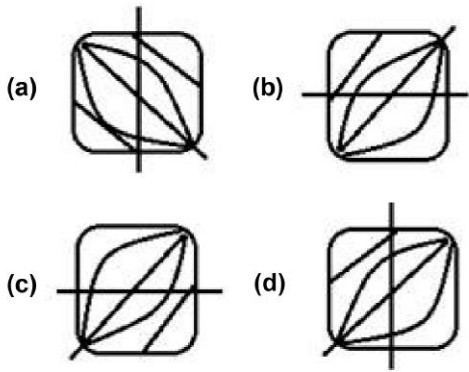Find which of the given conclusions logically follows from the given statement.

(a) Only conclusion I follows

(b) Neither I nor II follows   (c) Both I and II follow

(d) Only conclusion II follows

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25). What will be the next number in the series?

12 , 48 , 240 , _____

(a) 480   (b) 440   (c) 1200   (d) 1440

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26). In the following question, select the odd figure from the given alternatives.

(a)   **(b)**

(c)   **(d)**

27). If A is the brother of the son of B's son, how is A related to B?

(a) Grandson   **(b)** Brother   **(c)** Son   **(d)** Father

28). Below are given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements.

Statements:

Some Editors are Actors.

All the Actors are Writers.

Conclusions:

I. Some Editors and Writers.

II. No Actor is Editor.

(a) Neither Conclusion I nor II follow.

(b) Only Conclusion II follows.

(c) Only Conclusion I follows.

(d) Either Conclusion I or II follows.

29). A question and three statements labelled (I), (II) and (III) are given. You have to decide which statement(s) is/are sufficient to answer the question.
Question: What is Aman's rank in the class?
Statements:
I. Aman has scored more than 90% of students of the class.
II. Ajay has scored the maximum marks in the class of 20 students.
Select the correct answer:

(a) Only statement I is sufficient.

(b) Only statement II is sufficient.

(c) Data is not sufficient.

(d) Both I and II together are sufficient.

30). A question and two statements labeled (I), (II) are given. You have to decide which statement(s) is/are sufficient to answer the question.

What is Rashmi's rank in the class?
I. There are 25 students in the class.
II. There are 8 students who have scored less than Rashmi.

(a) Both the statements together are needed.

(b) Statement I alone is sufficient.

(c) Statement II alone is sufficient.

(d) Either I or II alone is sufficient.

31). The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figure. How would this paper look when unfolded?

(a)   **(b)**

(c)   **(d)**
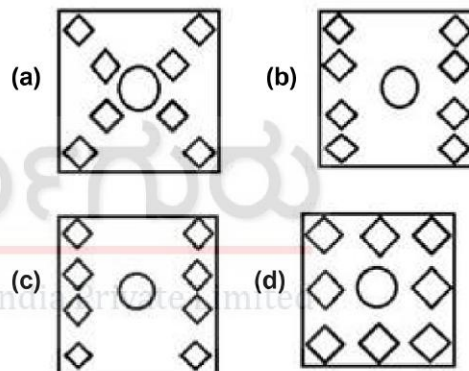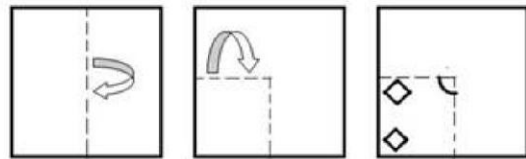
32). Select the correct box number from given alternatives which is similar to the box formed from the given sheet of paper X.
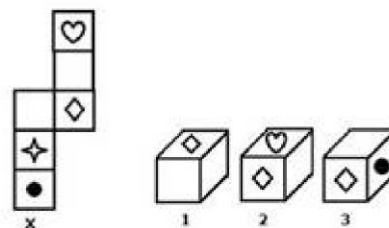
(a) 2 only   **(b)** 1 and 3 only   **(c)** 1 only

(d) 2 and 4 only

33). If March 27, 1999, is Saturday, then what is the day of the week on February 2, 2007?

(a) Sunday   **(b)** Friday   **(c)** Tuesday

(d) Wednesday

Direction: Study the data carefully and answer the questions accordingly.

Input: music 50 good listen 65 12 raft 28 track 45 70 casting
Step I: 12 music 50 good listen 65 raft 28 45 70 casting track
Step II: 28 12 music 50 good 65 raft 45 70 casting track listen
Step III: 50 28 12 music good 65 45 70 casting track listen raft
Step IV: 70 50 28 12 good 65 45 casting track listen raft music
Step V: 45 70 50 28 12 good 65 track listen raft music casting
Step VI: 65 45 70 50 28 12 track listen raft music casting good

Step VI is the last step of the above input. As per the rules followed in the given steps, find out the steps for the given input.

Input: yellow 14 67 green purple 87 38 college university 29 class 46

34). What is the step number of the following?

'46 38 14 yellow 67 87 university 29 class green college purple'

(a) Step VI   **(b)** Step V   **(c)** Step III   **(d)** Step IV

35). What is the position of '67' in step IV?

(a) Fifth from the right   **(b)** Seventh from the left

(c) Sixth from the right   **(d)** Fifth from the left