| (General Awareness) |
|--|
| Q.1 TV remote controls work on the principle of |
| 1. Bluetooth technology |
| 2. Infrared waves |
| 3. Ultrasonic waves |
| 4. Laser technology |
| Correct Answer: Infrared waves |
| Q.2 A sustained rise in the general price level in an economy is called |
| 1. Stagflation |
| 2. Disinflation |
| 3. Deflation |
| 4. Inflation |
| 2. Disinflation 3. Deflation 4. Inflation Correct Answer: Inflation |
| Q.3 Who founded the Indian Statistical Institute on 17 December 1931? |
| M.H. Hansen R.A. Fischer F. Yates |
| 4. P.C. Mahalanobis |
| Correct Answer: P.C. Mahalanobis |
| Q.4 Kala Bhavana, founded in 1919, is a noted institution of education and research in visual arts. It is located in |
| 1. Uttar Pradesh |
| 2. Bihar |
| 3. Sikkim |
| 4. West Bengal |
| Correct Answer: Sikkim |

| Q.5 In March 2019, who among the followings was appointed as India's first Lokpal? |
|--|
| 1. Justice S A Bobde |
| 2. Justice Pinaki Chandra Ghose |
| 3. Justice N V Ramana |
| 4. Justice A K Sikri |
| Correct Answer: Justice Pinaki Chandra Ghose |
| |
| Q.6 Pramod Sawant became Chief Minister of which Indian state in March, 2019? |
| 1. Tamil Nadu |
| 2. Kerala |
| 3. Goa |
| 4. Maharashtra |
| Correct Answer: Goa |
| 3. Goa 4. Maharashtra Correct Answer: Goa Q.7 is the study of the microanatomy of cells, tissues and orgas seen through a microscope. |
| 1. Entomology |
| 2. Delevery local |
| 2. Paleontology 3. Ichthyology |
| 4. Histology |
| Correct Answer: Histology |
| |
| Q.8 Who was appointed as the director of Bhabha Atomic Research Centre (BARC) for a period of three years in March 2019? |
| 1. Vishvapavan Pati |
| 2. Satyajeet Rajan |
| 3. Ajit Kumar Mohanty |
| 4. Kamlesh Nilkanth Vyas |
| Correct Answer: Ajit Kumar Mohanty |
| |

| Q.9 Government of India nominated member of NITI Aayog, to head the Food and Agricultural Organisation (FAO) in March 2019. |
|--|
| 1. Binay Ranjan Sen |
| 2. Ramesh Chand |
| 3. V K Paul |
| 4. Amitabh Kant |
| Correct Answer: Ramesh Chand |
| |
| Q.10 In March 2019, the government of India appointedas the director-general of the National Archives of India. |
| 1. P V Ramesh |
| 2. V K Paul |
| 3. Binay Sen |
| 4. Kamlesh Vyas |
| P V Ramesh V K Paul Binay Sen Kamlesh Vyas Correct Answer: P V Ramesh Q.11 In March 2019, India won five silver medals at the Makran Cup Boxing Tournament in Iran. Who |
| among the following is NOT one of the silver medallists? |
| 1. Manish Kaushik |
| 2. Duryodhan Singh Negi |
| 3. P Lalitha Prasad |
| 4. Deepak Singh |
| Correct Answer: Deepak Singh |
| |
| Q.12 Rust needs three components to occur, i.e., |
| 1. Steel, iron and oxygen |
| 2. Helium, hydrogen and nitrogen |
| 3. Iron, nitrogen and moisture |
| 4. Iron, oxygen and moisture |
| |

| Correct Answer: Iron, oxygen and moisture | | | | |
|---|--|--|--|--|
| | | | | |
| Q.13 Who founded the Sayyid dynasty? | | | | |
| 1. Bahlul Khan | | | | |
| 2. Nizam Shah | | | | |
| 3. Khizr Khan | | | | |
| 4. Muhammad-bin-Farid | | | | |
| Correct Answer: Khizr Khan | | | | |
| | | | | |
| Q.14 was observed nationwide from 24th to 30th April, 2019. | | | | |
| 1. World Tourism Week | | | | |
| 2. World Immunization Week | | | | |
| 3. World Environment Week | | | | |
| 4. World Postal Week | | | | |
| World Tourism Week World Immunization Week World Environment Week World Postal Week Correct Answer: World Immunization Week | | | | |
| Q.15 Which of the following articles promotes equal justice and free legal aid for all the citizens? | | | | |
| 1. 39A 2. 43A | | | | |
| 3. 32A | | | | |
| 4. 48A | | | | |
| Correct Answer: 39A | | | | |
| | | | | |
| Q.16 Which of the following passes connects Tawang with Lhasa? | | | | |
| 1. Bum La Pass | | | | |
| 2. Chankan Pass | | | | |
| 3. Hpungan Pass | | | | |
| 4. Kumjawng Pass | | | | |
| Correct Answer: Bum La Pass | | | | |

| Q.17 created history in its second Twenty20 International against Ireland by achieving the highest ever T20 total at the Rajiv Gandhi International Cricket Stadium in Dehradun, Uttarakhand. |
|---|
| 1. Pakistan |
| 2. Australia |
| 3. Afghanistan |
| 4. India |
| Correct Answer: Afghanistan |
| |
| Q.18 Majuli, the largest river island in the world is located in |
| 1. Uttar Pradesh |
| 2. Nagaland |
| 3. Arunachal Pradesh |
| 4. Assam |
| 1. Uttar Pradesh 2. Nagaland 3. Arunachal Pradesh 4. Assam Correct Answer: Assam Q.19 The invasion of Delhi by Timur in A.D marked the end of the Tughlaq empire. 1. 1452 |
| 2. 1645 |
| 3. 1215 |
| 4. 1398 |
| Correct Answer: 1398 |
| |
| Q.20 is a scientific discipline concerned with the study of plant pollen, spores, and certain microscopic planktonic organisms, in both, living and fossil form. |
| 1. Ethnobotany |
| 2. Dendrology |
| 3. Paleobotany |
| 4. Palynology |

| Correct Answer: Palynology |
|--|
| |
| |
| Q.21 Poush Mela displays local artisidisplaying folk dances, music, food and culture of |
| 1. Gujarat |
| 2. Uttarakhand |
| 3. Rajasthan |
| 4. West Bengal |
| Correct Answer: West Bengal |
| |
| Q.22 is the branch of zoology concerned with the study of amphibians. |
| 1. Ethology |
| 2. Morphology |
| 3. Mammology |
| 4. Herpetology |
| Q.22 is the branch of zoology concerned with the study of amphibians. 1. Ethology 2. Morphology 3. Mammology 4. Herpetology Correct Answer: Herpetology Q.23 in Himachal Pradesh is a famous tourist attraction. |
| |
| Q.23 in Himachal Pradesh is a famous tourist attraction. |
| 1. Rohtang Pass |
| 2. Chang-La Pass |
| 3. Aghil Pass |
| 4. Mintaka Pass |
| Correct Answer: Rohtang Pass |
| |
| Q.24 Who among the following was one of the Governors during the reign of Alauddin Khilji? |
| 1. Ghiyasuddin Tughlaq |
| 2. Shams-ud-din Iltutmish |
| 3. Jalal-ud-din Khilji |
| 4 Nasiruddin Mahmud |

| Correct Answer: Ghiyasuddin T | i ugniac | 1 |
|-------------------------------|----------|---|
|-------------------------------|----------|---|

Q.25 Which of the following passes is known as the gateway connecting Jammu and Srinagar?

- 1. Chang-La Pass
- 2. Banihal Pass
- 3. Aghil Pass
- 4. Lanak-La Pass

Correct Answer: Banihal Pass



(English Comprehension)

- Q.1 In the sentence identify the segment which contains the grammatical error. The street artist Satish Munjal has been painting this wall since the past one week.
- 1. since the past one week
- 2. has been painting
- 3. this wall
- 4. The street artist

Correct Answer: since the past one week

- Q.2 Select the wrongly spelt word.
- 1. measure
- 2. meadow
- 3. megre
- 4. matter

Correct Answer: megre

K.com Q.3 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

The Head has been so busy to go through these files and resolve the matter.

- 1. No improvement
- 2. too busy to go through
- 3. too so busy to go through
- 4. such busy to go through

Correct Answer: too busy to go through

- Q.4 Given below are four jumbled sentences. Select the option that gives their correct order.
- A. Canada accounts for nearly one-third of the world's production of news print.
- B. Forest products, therefore, have been important export items of Canada for more than a century.
- C. A large part of Canada is covered with coniferous trees.
- D. Pulp and paper are the two most important forest products.
- 1. ABCD
- 2. CBDA

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|---|
| 3. DCAB |
| 4. BACD |
| Correct Answer: CBDA |
| |
| Q.5 Select the antonym of the given word. |
| FINITE |
| 1. limited |
| 2. finished |
| 3. endless |
| 4. bound |
| Correct Answer : endless |
| Correct Answer : endless Q.6 Select the antonym of the given word. REPRIMAND 1. compliment 2. apprehend 3. blame 4. reproach Correct Answer : compliment |
| Q.7 Select the correct active form of the given sentence. |
| The wall of this park is being painted by children. |
| 1. The wall is painting children of this park. |
| 2. Children are painting the wall of this park. |

- 3. Children have been painting the wall of this park.
- 4. Children painted the wall of this park.

Correct Answer: Children are painting the wall of this park.

Q.8 Select the most appropriate meaning of the given idiom.

| Lead someone by the nose |
|---|
| 1. to quarrel with someone |
| 2. to dominate someone |
| 3. to do the right thing |
| 4. to force someone to take the blame |
| Correct Answer: to dominate someone |
| |
| Q.9 Select the word which methe same as the group of words given. Persons living at the same time |
| 1. contemporaries |
| 2. compatriots |
| 3. colleagues |
| 4. cosmopolitans |
| 4. cosmopolitans Correct Answer: contemporaries |
| |
| Q.10 Given below are four jumbled sentences. Select the option that gives their correct order. |
| A. In China, thousands of people celebrated it. |
| B. The Lunar New Year of the Pig began on 5th February. |
| C. Others burned the first joss sticks of the year to bring them good fortune. |
| D. Some performers re-enacted historical ceremonies. |
| 1. BDCA |
| 2. DABC |
| 3. BADC |
| 4. ABCD |
| Correct Answer : BADC |
| |
| Q.11 Select the most appropriate option to fill in the blank. |
| In many countries the in pay for men and women is quite common, for example, in Germany women are paid 21 per cent less as compared to men. |
| 1. equivalence |
| 2. disagreement |

| 3. unlikeliness |
|--|
| 4. disparity |
| Correct Answer : disparity |
| |
| Q.12 Select the synonym of the given word.DUBIOUS |
| 1. certain |
| 2. steady |
| 3. loyal |
| 4. fishy |
| Correct Answer: fishy |
| |
| Q.13 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement. You won't tell the secret, won't you? 1. isn't it 2. would you 3. No improvement 4. will you |
| You won't tell the secret, won't you? |
| 1. isn't it |
| 2. would you |
| 3. No improvement |
| 4. will you |
| Correct Answer: will you |
| |
| Q.14 Select the wrongly spelt word. |
| 1. remonstrate |
| 2. rendezvous |
| 3. remuneration |
| 4. renassaince |
| Correct Answer: renassaince |
| |
| Q.15 Select the synonym of the given word. |
| ENTICE |
| 1. enrage |

| 2. entrap | | | | |
|--|--|---|--|---|
| 3. ensue | | | | |
| 4. entail | | | | |
| Correct Answer: entrap | | | | |
| Q.16 Select the most appropr | iate option for blank | No. 1. | | |
| Comprehension: | | | | |
| In the following passage alternatives given. Select | | | | n the help of the |
| In 1914 a war began in this war has no precede (3) not involved war (5) began in were mobilized. | nt in history. (2)and the casualties v | the earlier war vere mostly (4) ar in which all the r | s, the civilian po to the warring resources of the | opulations were ng armies. The warring states |
| 1. generated | 2. made | 1 | K.C | Um, |
| 3. caused | 4. began | ~0 | N • | |
| Correct Answer: caused | | 300 | | |
| Q.17 Select the most appropr | iate option for blan | c No. 2. | | |
| Comprehension: | | | | |
| In the following passage alternatives given. Selec | | | | n the help of the |
| In 1914 a war began in this war has no precede (3) not involved war (5) began in were mobilized. | nt in history. (2)and the casualties v | the earlier war vere mostly (4) | s, the civilian po to the warri | pulations were ng armies. The |
| 1. Into | 2. At | | | |
| 3. In | 4. On | | | |
| Correct Answer: In | | | | |
| Q.18 Select the most appropr | iate option for blanl | k No. 3. | | |

| Comprehension: | |
|--|--|
| | words have been deleted. Fill in the blanks with the help of the lost appropriate option for each blank. |
| this war has no precedent in his (3) not involved and the | which engulfed the entire world. The damage (1) by story. (2) the earlier wars, the civilian populations were casualties were mostly (4) to the warring armies. The was a total war in which all the resources of the warring states |
| 1. broadly | 2. chiefly |
| 3. generally | 4. finally |
| Correct Answer: generally | |
| Q.19 Select the most appropriate opt | ion for blank No. 4. |
| Comprehension: | |
| [1] [1] [1] [1] [1] [1] [1] [1] [1] [1] | words have been deleted. Fill in the blanks with the help of the lost appropriate option for each blank. |
| this war has no precedent in his (3) not involved and the | which engulfed the entire world. The damage (1) by story. (2) the earlier wars, the civilian populations were casualties were mostly (4) to the warring armies. The was a total war in which all the resources of the warring states |
| 1. belonged | 2. bound |
| 3. confined | 4. reatrained |
| Correct Answer: confined | |
| Q.20 Select the most appropriate opt | ion for blank No. 5. |
| [전화기 12명 이번 경기 : 2 이번지 전에 화면지 전 경기를 다 가를 보고 있는 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | words have been deleted. Fill in the blanks with the help of the lost appropriate option for each blank. |
| this war has no precedent in his (3) not involved and the | which engulfed the entire world. The damage (1) by story. (2) the earlier wars, the civilian populations were casualties were mostly (4) to the warring armies. The was a total war in which all the resources of the warring states |
| 1. what | 2. whom |
| 3. who | 4. which |
| Correct Answer: which | |

| Q.21 Select the correct passi | ve form of the given sentence. Take this suitcase upstairs. |
|---|--|
| 1. This suitcase should be tal | ken upstairs. |
| 2. You are requested to take | this suitcase upstairs. |
| 3. Let this suitcase been take | n upstairs. |
| 4. You must be taking this su | nitcase upstairs. |
| Correct Answer: This suitca | se should be taken upstairs. |
| | |
| Q.22 Select the most appropri | riate meaning of the given idiom. Couch potato |
| 1. a person who watches too | much television |
| 2. a person who is simple in | nature |
| 3. a person who sleeps all da | у |
| 4. a person who remains rela | xed and calm |
| Correct Answer: a person w | ho watches too much television |
| Q.23 In the sentence identify mends the shoes outside the 1. I know the cobbler 2. which mends 3. the shoes | y exed and calm ho watches too much television the segment which contains the grammatical error. I know the cobbler which gate of our colony. |
| 4. outside the gate | |
| Correct Answer: which men | nds |
| | |
| Q.24 Select the most appropri | riate option to fill in the blank. |
| | ve a long history of in Northern Ireland but volunteers from both to build the monument of Peace. |
| 1. contest | 2. agreement |
| 3. truce | 4. conflict |
| Correct Answer: conflict | |
| Q.25 Select the word which | methe same as the group of words given. |
| | |

Someone who believes that people cannot change the way events will happen

1. seer 2. fanatic

3. fatalist 4. prophet

Correct Answer: fanatic



Reasoning

- Q 1. Arrange the following words in a logical and meaningful order.
 - 1. Writing
 - 2. Distributing
 - 3. Publishing
 - 4. Printing
 - 5. Editing
- (A) 1, 2, 3, 4, 5

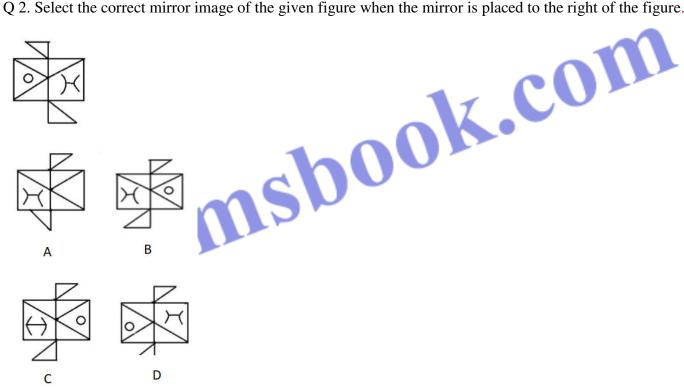
(B) 2, 4, 3, 1, 5

(C) 1, 5, 4, 3, 2

(D) 2, 3, 4, 5, 1

Ans.A

Q 2. Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.



Ans.B

- Q 3. ml fodYi dk p;u djsa tks rhljs in ls mlh izdkj lacaf/kr gS tSls nwljk in igys in ls lacaf/kr gSA izlUu % vkuafnr %% mnkl %\
- (A) larq"V

(B) fouksniw.kZ

(C) fo"kkn&xzLr

(D) vkuaniw.kZ

Page 16

Ans.C

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Q 4. Two different positions of the same dice are shown. Which number will be at the top if 1 is at the botton?





(A) 6

(B) 5

(C)4

(D) 2

Ans.C

- Q 5. Select the set in which the numbers are related in the same way as are the numbers of the following set.
- (12, 16, 18)
- (A) (9, 15, 21)

(B) (20, 25, 35)

(C) (18, 24, 42)

(D) (36, 48, 77)

K.com

Ans.C

Q 6. Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

dc_abc_cb_bcd_ba_c

(A) bdacb

(B) cbadb

(C) bdcab

(D) dbacb

Ans.A

Q 7. Select the Venn diagram that best illustrates the relationship between the following classes.

Doctors, Salaried persons, parents









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|---|--|
| Ans.D | |
| Q 8. ftl izdkj ^xwaxkiu^ ^cksyus | ^ Is lacaf/kr gS mlh izdkj ^Le`fr Is lacaf/kr gSA |
| (A) Le`fr yksi | (B) igpku |
| (C) lksp&fopkj | (D) Hkez |
| Ans.A | |
| | |
| Q 9. Three of the following four letter one out. | er-clusters are alike in a certain way and one is different. Pick the odd |
| (A) BIRD | (B) DECK |
| (C) ZOOM | (D) PAST |
| Ans.C | |
| coded as? (A) 234971 | and Dark is coded is coded as 8647, then how will STAROKE be (B) 493287 (D) 234917 |
| (C) 329417 Ans. A Q 11. A square paper is folded and cu | |
| | |
| ▼ 。 | ٥ , ٥ |





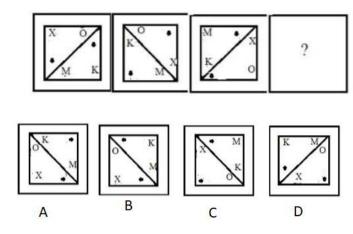




Ans.C

Q 12. Select the figure that will come next in the following figure series.

Page 18 www.examsbook.com



Ans.B

Q 13. Which two sings should be interchanged in the following equation to make it correct?

$$12 - 6 \div 12 \times 6 + 6 = 9$$
(B) ÷ and ×
(D) + and ÷

(A) – and +

 $(B) \div and \times$

 $(C) \times and +$

 $(D) + and \div$

Ans.A

Q 14. Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows(s) from the statements.

Statements:

Some students are players.

Some players are athletes.

Conclusion:

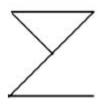
- I. Some students are athletes.
- II. Some players are students.
- III. No students is an athlete.
- (A) Only conclusion I follows
- (B) Only conclusions II and III follows
- (C) Only conclusion II and either conclusion I or III follow
- (D) None of the conclusions follows

Ans.C

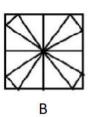
| Q 15. Select the option that is related to the third letter-cluster in the same way as the second letter –cluster is related to the first letter-cluster JKLM: HLKO:: PQRS:? (A) MRQV (B) NRQU (C) NQRU (D) ORQT Ans.B Q 16. How many triangles are there in the following figure? (A) 11 (B) 12 (C) 15 (D) 13 Ans.C Q 17. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | | |
|--|------------------------------------|---|
| (A) MRQV (B) NRQU (C) NQRU (D) ORQT Ans.B Q 16. How many triangles are there in the following figure? (A) 11 (B) 12 (C) 15 (D) 13 Ans.C Q 17. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair: 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | | d to the third letter-cluster in the same way as the second letter -cluster |
| (C) NQRU (D) ORQT Ans.B Q 16. How many triangles are there in the following figure? (A) 11 (B) 12 (C) 15 (D) 13 Ans.C Q 17. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | JKLM: HLKO:: PQRS:? | |
| Ans.B Q 16. How many triangles are there in the following figure? (A) 11 (B) 12 (C) 15 (D) 13 Ans.C Q 17. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | (A) MRQV | (B) NRQU |
| Q 16. How many triangles are there in the following figure? (A) 11 (B) 12 (C) 15 (D) 13 Ans.C Q 17. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | (C) NQRU | (D) ORQT |
| (A) 11 (B) 12 (C) 15 (D) 13 Ans.C Q 17. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | Ans.B | |
| that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | Q 16. How many triangles are there | in the following figure? |
| that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | | |
| that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | (A) 11 | (B) 12 |
| that is different from the rest. (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | (C) 15 | (D) 13 |
| (A) 341 (B) 132 (C) 166 (D) 209 Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | | mbers are alike in a certain way and one is different. Pick the number |
| Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | | |
| Ans.C Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | (A) 341 | (B) 132 |
| Q 18. Select the number- pair in which the two numbers are related in the same way as are the two numbers of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | (C) 166 | (D) 209 |
| of the following number-pair. 28:63 (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | Ans.C | |
| (A) 16:36 (B) 36:78 (C) 12: 28 (D) 48:98 | of the following number-pair. | ch the two numbers are related in the same way as are the two numbers |
| (C) 12: 28 (D) 48:98 | | (D) 24 70 |
| | | |
| | | (D) 48:98 |
| Ans.A | Ans.A | |

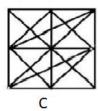
www.examsbook.com Page 20

Q 19. Select the option in which the given figure is embedded.











Ans.C

Q 20.Rs 820 divided among 6 men, 8 women and 12 boys in such a way that every woman gets an amount equal to that received by one man and one boy combined and that every man gets one and a half times the ook.com amount received by a boy. What is the total amount received by 8 women?

(A) Rs 300

(B) Rs 380

(C) Rs 400

(D) Rs 240

Ans.C

Q 21. Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

(A) Papaya

(B) Cucumber

(C) Pomegranate

(D) Guava

Ans.B

Q 22. In a family of eight persons, there are two couples, each having two children. C and D are cousin brothers. The father of E is married to G, who is the aunt of F. F's mother, H, is married to B, the brother of A. C is the nephew of H. How is A related to D?

(A) Nephew

(B) Father

(C) Uncle

(D) Brother

Ans.C

Q 23. Which number will replace the questions mark (?) in the following series?

2, 3, 6, 10, 17, 28, ?

Page 21 www.examsbook.com

| | Examsbook.com | |
|---|--|----------|
| (A) 45 | (B) 46 | |
| (C) 43 | (D) 39 | |
| Ans.B | | |
| Q 24. In a code language, TEAC that language? | CHING is written as SDBDGHOH. How will BOOKWORM be writt | en as in |
| (A) ANPLVNSN | (B) ANPLXPSL | |
| (C) CPNJXPSL | (D) ANPLXNNS | |
| Ans.A | | |
| | | |
| set. | numbers are related in the same way as are the numbers of the follow | |
| (15, 22, 31) | | |
| (A) (11, 18, 29) | (B) (7, 14, 23) | |
| (C) (5, 11, 20) | (D) (23, 30, 40) | |
| Ans.B | | |
| | (B) (7, 14, 23) (D) (23, 30, 40) | |
| | | |

Page 22 www.examsbook.com

Mathematics

Q 1. If $x^2 + y^2 + z^2 = 133$, xy + yz + zx = 114 and xyz = 216, then the value of $x^3 + y^3 + z^3$ is:

(A) 942

(B) 948

(C) 1009

(D) 999

Ans.C

Q 2. A trader marks his good at 40% above the cost price. He sells 70% of the goods at the marked price and the rest, he sells by allowing a 40% discount on the marked price. His percentage profit:

(A) 23.4

(B) 24.4

(C) 23.2

(D) 24.2

Ans.C

ook.com Q 3. The table shows the production of different types of cars (in thousands).

| Car | 2012 | 2013 | 2014 | 2015 | 2016 |
|------------------|------|------|------|------|------|
| | 54 | 58 | 60 | 63 | 55 |
| A B C D | 40 | 54 | 56 | 61 | 67 |
| c | 46 | 50 | 63 | 73 | 77 |
| D | 33 | 35 | 48 | 45 | 49 |
| E | 47 | 43 | 53 | 48 | 52 |

The total production of all types of cars, except type B, in 2012 is what percent less than the total production of all types of cars in 2016?

(A) 42

(B) 25.8

(C) 26.7

(D) 40

Ans.D

Q 4. The length of a metallic pipes is 7.56 m. Its external and internal radii are 2.5 cm and 1.5 cm respectively. If 1 cm³ of the metal weigh 7.5 g, then the weight of the pipe is: Taken $\pi = \frac{22}{7}$

- (A) 70.14 kg
- (B) 71.28 kg
- (C) 72.82 kg
- (D) 69.68 kg

Ans.B

Q 5. In a circle with centre O, ACBO is a parallelogram where C is a point on the mirror are AB. What is the measure of $\angle AOB$?

(A) 150°

(B) 120°

(C) 110°

(D) 100°

Ans.B

Q.6 If $2x^2 + y^2 + 6x - 2xy + 9 = 0$, then the value of $(4x^3 - y^3 + x^2y^2)$ is:

(A) - 9

(B)9

(C) 0

(D) -3

Ans.C

Q 7. ABCD is a parallelogram in which diagonals AD and BC intersect at O. AE and DF are perpendiculars on BC at E and F, respectively. Which of the following is NOT true?

- (A) \triangle ABC \cong \triangle DCB
- (B) \triangle AEB \cong \triangle DFC
- (c) \triangle ADC \cong \triangle ABD
- (D) \triangle AOE \cong \triangle DOF

Ans.C

nsbook.com $\frac{\theta}{\cos^2 \theta} = 3.0^{\circ} < \theta < 90^{\circ}$, then the value of $\cot \theta + \csc \theta$ is:

(A) $2\sqrt{3}$

(B) $\sqrt{3}$

 $(C)\frac{\sqrt{3}}{2}$

(D) $\frac{3\sqrt{3}}{4}$

Ans.B

Q 9. The vertices of a $\triangle PQR$ lie on a circle with centre O. SR is a tangent to the circle at the Point R. IF QR bisects the $\angle ORS$, then what is the measure of $\angle RPQ$?

(A) 40°

(B) 30°

(C) 60°

(D) 45°

Ans.D

Q 10. The table shows the production of different types of cars (in thousands).

| Car | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----|------|------|------|------|------|
| A | 54 | 58 | 60 | 63 | 55 |
| В | 40 | 54 | 56 | 61 | 67 |
| C | 46 | 50 | 63 | 73 | 77 |
| D | 33 | 35 | 48 | 45 | 49 |
| E | 47 | 43 | 53 | 48 | 52 |

What is the ratio of the total production of type E cars in 2014 and type C cars in 2016 taken together to the total production of type B cars in 2014 and type D cars in 2013 taken together?

(A) 9:8

(B) 11:8

(C) 10:7

(D) 11:5

Ans.C

Q 11. The Value of $\frac{9}{15}$ of $(\frac{2}{3} \div \frac{2}{3} \circ f \frac{3}{2}) \div (\frac{3}{4} \times \frac{3}{4} \div \frac{3}{4} \circ f \frac{4}{3})$ of $(\frac{5}{4} \div \frac{5}{2} \times \frac{2}{5} \circ f \frac{4}{5})$ is: ook.com

 $(A) \frac{4}{25}$

 $(C)\frac{18}{125}$

(D) $\frac{40}{9}$

Ans.D

Q 12. The table shows the production of different types of cars (in thousands)

| Year Car | 2012 | 2013 | 2014 | 2015 | 2016 |
|-------------|------|------|------|------|------|
| A | 54 | 58 | 60 | 63 | 55 |
| В | 40 | 54 | 56 | 61 | 67 |
| С | 46 | 50 | 63 | 73 | 77 |
| D | 33 | 35 | 48 | 45 | 49 |
| E | 47 | 43 | 53 | 48 | 52 |

The total production of type E cars in 2012 and 2013 is approximately what percent more than the average production of type A cars during the years 2012 to 2016?

(A) 56.4

(B) 52.2

(C) 53.8

(D) 55.2

Ans.D

Q13. In \triangle ABC with sides 6 cm, 7 cm and 8 cm, the angle bisector of the largest angle divide the opposite side into two segments. What is the length of the shorter segment?

(A) $\frac{48}{14}$ cm

(B) $\frac{24}{5}$ cm

| | 21 | |
|-----|----|----|
| (C) | = | cm |

(D) $\frac{56}{13}$ cm

Ans.A

Q 14. The efficiencies of A, B and C are in the ratio 5:3:8. Working together they can complete a work in 30 days. A and B worked together for 20 days. The remaining work will be completed by C alone in:

(A) 36 days

(B) 32 days

(C) 30 days

(D) 40 days

Ans.D

Q.15 If x + y = 12 and xy = 27, x > y, then the value of $(x^3 - y^3)$ is:

(A) 702

(B) 710

(C)724

(D) 720

Ans.A

Q 16. The distance between two stations A and B is 800 km. A train X starts from A and moves towards B at 40 km/h and another Y starts from B and moves towards A at 60 km/h. How far from A will they cross each other?

(A) 320 km

(B) 300 km

(C) 380 km

(D) 360 km

Ans.A

Q 17. If a 9-digit number 32x4115y2 is divisible by 88, then the value of 4x - y for the smallest possible value of y, is:

(A) 11

(B) 31

(C) -1

(D) 20

Ans.C

Q 18. The average of twelve numbers is 46. The average of the first four numbers is 43 and that of the last five numbers is 49.4. The 5^{th} and 6^{th} numbers are respectively 4 and 6 more than the 7^{th} number. What is the average of the 5^{th} and the 7^{th} numbers?

(A) 43.5

(B) 44.5

K.com

(C)44

(D) 43

Ans.D

Q 19. The ratio of the present ages of A and B is 8:9. After 9 years, this ratio will become 19:21. C is 3 years younger to B. What is the present age (in years) of C?

(A) 52

(B) 48

(C)49

(D) 51

Ans.D

Q 20. What is the compound interest on a sum of Rs 10,000 at 14% p.a for $2\frac{5}{7}$ years where the interest is compound yearly?

(A) Rs 4,439

(B) Rs 4,296

(C) Rs 4,394

(D) Rs 4,259

Ans.B

JK.com Q 21. When the price of an item was reduced by 20%, then its sale increased by x%. If there is an increase of 60% in the receipt of the revenue, then the value of x is:

(A) 80

(B) 120

(C) 96

(D) 100

Ans.D

Q 22. The table shows the production of different types of cars (in thousands).

| Year Car | 2012 | 2013 | 2014 | 2015 | 2016 |
|-------------|------|------|------|------|------|
| A | 54 | 58 | 60 | 63 | 55 |
| В | 40 | 54 | 56 | 61 | 67 |
| С | 46 | 50 | 63 | 73 | 77 |
| D | 33 | 35 | 48 | 45 | 49 |
| E | 47 | 43 | 53 | 48 | 52 |

If the data related to the production of type D cars is represent by a pie chart, then the central angle of the sector representing the production of cars in 2013 will be:

(A) 84°

(B) 77°

(C) 75°

(D) 60°

Ans.D

Q 23. If $sin\theta = 4cos\theta$, then what is the value of $sin\theta cos\theta$?

 $(A) \frac{3}{10}$

(B) $\frac{3}{4}$

 $(C)\frac{4}{17}$

(D) $\frac{2}{9}$

Ans.C

Q 24. Abhi bought two articles for Rs 624. He sold one at a loss of 14% and the other at a profit of 14%. If the selling price of both the articles is equal, then the difference between their cost prices(in Rs) is:

(A) 89.64

(B) 88.84

(C) 89.68

(D) 87.36

Ans.D

Let $a = \frac{2 \sin x}{1 + \sin x + \cos x}$ and $b = \frac{c}{1 + \sin x}$. Then a = b, if c = ?Q.25

- $(A)1 + \sin x \cos x$
- $(B)1 \sin x \cos x$
- (C)1 + $\cos x \sin x$
- (D)1 + $\sin x \cos x$

Ans.A