**Verbal**

**No. Of Questions: 20 Time: 20 minutes**

Patrick Henry is considered one of the great patriots of America’s early history. He was a leader in every protest against British tyranny and in every movement for colonial rights, openly speaking against the unfair taxation and overly burdensome regulations imposed upon the American colonists by the British Parliament. In March 1775, Patrick Henry urged his fellow Virginians to arm themselves in self-defence. He spoke boldly in Richmond, Virginia, during the meeting of the state legislature. He closed that famous speech with the immortal words, “I know not what course others may take; but as for me, give me liberty or give me death.”

* + - 1. **This passage best supports the statement that**
  1. Patrick Henry later became a governor of West Virginia.
  2. the Virginia legislature was not listening to Henry’s speech.
  3. Patrick Henry was willing to lay down his life for his country.
  4. People in Colonial times faced harsh living conditions.

1. **Which of the following would be the most appropriate title for this passage?**
   1. The Speeches of Patrick Henry
   2. Patrick Henry, American Patriot
   3. Early American Patriots
   4. History of the Virginia Legislature
2. **Patrick Henry was from which place?**

a. Canada b. America

c. Britain d. Virginia

Bamboo is a woody plant of the grass family. There are about 1000 species of bamboos. They grow throughout the tropical and semitropical regions of the world, especially in Southern Asia, at altitudes ranging from sea-level to 13000ft (4000m).The pygmy bamboo of japan is about the size of field grass, while in China, India, and the northern Andes Mountains of South America there are bamboos 12 inches (30 cm) in diameter and 120ft (37m) tall. The Culm, or stem, of most species of bamboo, like that of most grasses, is hollow and jointed. The culms grow rapidly, reaching their full height in two months or less. They do not grow thicker; the new shoots (sprouts) have their full diameter when they emerge. Delicate leaves growing from the upper nodes (joints) give the top of the Culm a feathery look. Bamboo grows in dense groves, new culms being produced by rhizomes (underground stems). Many species of Bamboo flower only at long intervals 30, 60 or 120 years. When flowering occurs, all plants of that species, all over the world, flower at about the same time. Then the culms die. The grove, however, does not die, because some rhizomes survive to send up new shoots and some seeds take root. But it takes about five years for a grove to become fully re-established, and the culms are not suitable for harvesting until they are three to five years old.

In some parts of Asia entire houses are made of bamboo. Bamboo, poles form the framework and bamboo splints are woven into latticework for walls and partitions. Split bamboos is used for floors, and roofs are mode of bamboo leaves laid on bamboo poles. Sections of culm with a node at one end, depending on their size, serve as cups, bottles, jars, and other containers. Bamboo shoots are used in Oriental (especially Chinese) dishes, and bamboo seeds can be roasted and eaten. Knives are made from the outer wall of the Culm, and paper from the inner wall. Many products are made of bamboo for export or tourist trade in Asian countries. Masts of boats are made from culms, and culms with the nodes bored out are used as water pipes. Bows and arrows are also made from bamboo. Large amounts of bamboo are imported into Western countries to make curtains, umbrella handles, walking sticks, fishing poles, baskets, chairs, cages and wicker work. Cellulose extracted from bamboo is used in the manufacture of rayon and other man-made textiles. Carbonized bamboos served as the filament in early electric light bulbs. Bamboos are members of the family Gramineae. There are more than 50 genera. Only two species are native to the United states. Arundinaria gigantean is the giant cane of the canebrakes of the South, it grows as far north as Virginia and as far west as Louisiana. it reached 25 feet (7.6m) in height. The switch cane, A. tecta, grows to 12 feet (3.7m), and may be found from Maryland and Indiana to Texas. bamboos that grow as tall as 100ft (30m) include Bambusa arundinaceous of India (which now also grows in Florida) and Dendrocalamus giganteus of Burma

1. **What is not true about the bamboos?**
2. Bamboo seeds can be used for eating
3. Bamboos were used as bulb filament in earlier bulbs
4. Bamboos Culms are not suitable for harvesting before five years
5. Some of the houses are completely constructed by bamboos
6. **What is the use of bamboo that is not mentioned in passage?**

a. knife b. floor c. paper d. pen

1. **All bamboos all over the world flower at same time when the flowering time comes** –

a. true b. may be true

c. false d. definitely false

1. **Large amount of bamboo are imported into western countries to make all of the following except:**

a. Fishing poles b. Chairs

c. Wicker work d. Plugs

1. **Which of the following is true as per the passage?**
2. Only three species of bamboos are native to the United States
3. Cellulose extracted from bamboos is used in the manufacture of the electric bulb
4. Bamboo shoots are used in many oriental dishes
5. Knives are made from, the inner wall of the Culm
6. **The Culms grow rapidly, reaching the full height in –**
   1. 5 months or more
   2. 8 months or less
   3. 1 month or less
   4. 2 months or less

Each question consist of two words which have a certain relationship to each other followed by four pairs of related words, Select the pair which has the same relationship.

1. **MUNDANE:SPIRITUAL**
2. common:ghostly
3. worldly:unworldly
4. routine:novel
5. secular:clerical

1. **ARMY:LOGISTICS**
2. business:strategy
3. soldier:students
4. war:logic
5. team:individual
6. **GRAVITY:PULL**
7. iron:metal
8. north pole:directions
9. magnetism:attraction
10. dust:desert
11. **FILTER:WATER**
12. curtail:activity b. expunge:book
13. edit:text d. censor:play
14. **HOPE:ASPIRES**
15. love:elevates b. film:flam
16. fib:lie d. fake:ordinary
17. **CORPOREAL:SPIRITUAL**
18. mesa:plateau
19. moron:savant
20. foreigner:immigrant
21. pedagogue:teacher
22. **SYMPHONY:COMPOSER**
23. Leonardo:music
24. Fresco:painter
25. colours:pallet
26. art:appreciation

It is bad to have food stuck between your teeth for long periods of time. This is because food attracts germs, germs produce acid, and acid hurts your teeth and gums. Flossing helps to remove the food that gets stuck between your teeth. This explains why flossing helps to keep your mouth healthy, but some doctors say that flossing can be also good for your heart.

It may seem strange that something you do for your teeth can have any effect on your heart. Doctors have come up with a few ideas about how flossing works to keep your heart healthy. One idea is that the germs that hurt your teeth can leave the mouth and travel into your blood. Germs that get into the blood can then attack your heart. Another idea is based on the fact that when there are too many germs in your mouth, the body tries to fight against these germs. For some reason, the way the body fights these mouth germs may end up weakening the heart over time.

Not every doctor agrees about these ideas. Some doctors think that the link between good flossing habits and good heart health is only a coincidence. A coincidence is the occurrence of two or more events at one time apparently by mere chance. The incidence of these events is completely random, as they do not admit of any reliable cause and effect relationship between them. For example, every time I wash my car, it rains. This does not mean that when I wash my car, I somehow change the weather. This is only a coincidence. Likewise, some doctors think that people who have bad flossing habits just happen to also have heart problems, and people who have good flossing habits just happen to have healthy hearts.

The idea that flossing your teeth helps to keep your heart healthy might not be true. But every doctor agrees that flossing is a great way to keep your teeth healthy. So even if flossing does not help your heart, it is sure to help your teeth. This is enough of a reason for everyone to floss their teeth every day.

* + - 1. **Which of the following would be the best title for this passage?**

1. Why Doctors Disagree about Flossing
2. How to Keep Your Teeth Healthy
3. Flossing Your Way to a Healthy Heart
4. Flossing by Coincidence

* + - 1. **In paragraph 3 the author writes, "Not every doctor agrees about these ideas." The author's purpose in writing this is to**

1. explain upcoming information
2. introduce a new topic
3. clarify a previous statement
4. develop an earlier idea

* + - 1. **Using information in paragraph 3 as a guide, which of the following is the best example of a coincidence?**

1. Jim wakes up with a sore throat. He eats a piece of bacon for breakfast. By noon, he feels much better.  Jim decides that the bacon has cured his sore throat.
2. Laura remembers to brush her teeth every day, but she only remembers to floss once a week. She writes a note to  herself, reminding herself to floss and sticks it to her bathroom mirror.
3. Mario is not very good at baseball. He practices playing every day. After a several months of practice, he is a much  better baseball player.
4. Jai has a bad  heart. Her doctor tells her to eat more vegetables and less junk food. After nearly a year of doing this, the doctor tells Jai that her heart is doing much better.

* + - 1. **Using the final paragraph as a guide, which of the following best states the main idea of the passage?**

1. Because doctors do not agree that flossing will help your heart, it is useless to floss.
2. It is a fact that flossing can help your heart as well as your teeth.
3. Even if flossing is only good for your teeth, you should still do it every day.
4. There is no good reason to believe that flossing will help your heart, but it is still a good idea to do it every day.

**Section B - Quant**

**No. Of Questions: 10 Time: 20 minutes**

**1.** A horse chases a dog 2 hours after the dog runs. Horse takes 3 hours to reach the dog. If the average speed of the horse is 81Kmph.Then what is the average speed of the dog?

a. 48.6 b. 50 c. 40.5 d. None

**2.** In a shopping mall with a staff of 5 members the average age is 45 years. After 5 years a person joined them and the average age is again 45 years. What’s the age of 6th person?

a.40 b. 30 c. 20 d. 25

**3.** There is 7 friends (A1, A2, A3....A7).If A1 has to shake hands with all without repetition. How many handshakes possible?  
a. 6  b. 21  c. 28  d. 7

**4.** There are 1000 pillars for a temple. 3 friends Linda, Chelsea, Juli visited that temple. Linda is taller than Chelsea and taller than 2 of 1000 pillars. Juli is shorter than Linda. Find the correct sentence?

  a) Linda is shorter among them

b) Chelsea is taller than Juli

c) Chelsea is shorter than Juli

d) Cannot determine who is taller among Chelsea and Juli

**5.** A women with dollar bills go to the shopping he spent half of the money she had for shopping as she was so kind she gave one dollar to the beggar. she went to the hotel and spent half of the remaining and she gave 2 dollars to the waiter, the she buy some goods with half of the remaining and she gave 3 dollars to the receptionist. how much money she had in the beginning if she left with 1 dollor?  
a. 42 b. 64 c. 22 d. 44

**6.** 45 men can complete a work in 18 days. Six days after they started working, 45 more men joined them. How many days will they now take to complete the remaining work? a) 9 days b) 6 days c) 24 days d) 12 days

**7.** A group of boys contributed as many rupees as they were in number for their picnic. How many boys were there if they collected Rs. 729?

1. 27 boys2. 28 boys 3. 30 boys. 4. None of these

**8.** Find the number, such that its five sixths exceeds its three fifths by 28 ?

1. 100 2. 1203. 140 4. 160

**9.** A man plants 3249 apple trees in his garden and arranges them so that there are as many rows as there are trees in a row. How many rows are there?

1. 55 rows 2. 56 rows 3. 57 rows 4. 58 rows

**10.** A certain two-digit number when reversed becomes one-tenth its original value. The digit in units place is 3 less than the digit in tens place in the original number. Find the number.

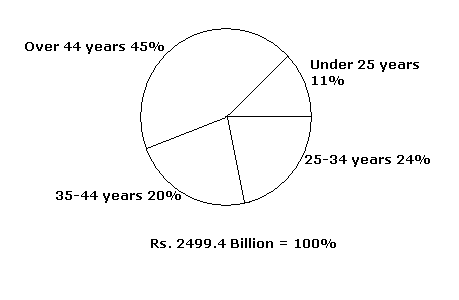
1. 26 2. 28 3. 29 4. 30

**Section C- REASONING**

**No. Of Questions: 15 Time: 20 minutes**

**Direction for questions 01 - 05:** Refer the following data and answer the questions

**Distribution of Personal Income of Citizens of a country in 2000**



**01.** The personal income of the citizens in the age group 35-44 years is (in Rs. Billion) approximately

1. 500 2. 600 3. 1125 4. 1375

**02.** The ratio of the personal income of the citizens in the 25-34 years age group to that of 35-44 years age group is

1. 9 : 4 2. 5 : 6 3. 8 : 15 4. 6 : 5

**03.** If the total personal income in 2000 is 20% more than that of 1997, the total personal income of 1997 was (in Billion Rupees)

1. 2200 2. 2100 3. 2000 4. 1900

**04.** The angle in the pie chart representing the income of citizens of the 35-44 years age group is

1. 200 2. 400 3. 720 4. 860

**05.** If the total personal income in 2005 is one and a half times that in 2000, what is the average annual growth rate during the period 2000 – 2005?

1. 15% 2. 12% 3. 10% 4. None of these

**Questions from 06 to 07:** In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement. Give answer

(A) If only assumption I is implicit (B) If only assumption II is implicit (C) If either I or II is implicit. (D) If neither I nor II is implicit (E) If both I and II are implicit.

**06. Statement:**"In order to bring punctuality in our office, we must provide conveyance allowance to our employees." - In charge of a company tells Personnel Manager.

**Assumptions:**

1. Conveyance allowance will not help in bringing punctuality.
2. Discipline and reward should always go hand in hand.

|  |
| --- |
| **07. Statement:**Unemployment allowance should be given to all unemployed Indian youth above 18 years of age.  **Assumptions:**   1. There are unemployed youth in India who needs monetary support. 2. The government has sufficient funds to provide allowance to all unemployed youth.   **Questions from 08 to 09:** Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.Give answer:  (A) If only argument I is strong. (B) If only argument II is strong. (C) If either I or II is strong (D) If neither I nor II is strong and. (E) If both I and II are strong.  **08. Statement:**Should the prestigious people who have committed crime unknowingly, be met with special treatment?  **Arguments:**   1. Yes. The prestigious people do not commit crime intentionally. 2. No. It is our policy that everybody is equal before the law. |
|  |

**09. Statement:** Should internal assessment in colleges be abolished?

**Arguments:**

1. Yes. This will help in reducing the possibility of favouritism.
2. No, teaching faculty will lose control over students.

**Directions for Questions 10 - 12:** Each question contains six statements followed by four sets of combinations of three. Choose the set in which the statements are logically related.

**10.** A. All crows are birds. B. All birds are black. C. All crows are black.

D. All crows have beaks. E. All crows lay eggs. F. All birds have claws.

1. ABC 2. BCD 3. ADE 4. DEF

**11.** A. All roses are red. B. Some roses have no thorns.

C. All red flowers are roses. D. This flower has thorns.

E. This flower is red in colour. F. This flower is a rose.

1. DBA 2. DEF 3. ACB 4. CEF

**12.** A. Some insects are multi-colored. B. Some insects are blind.

C. All multi-colored are insects. D. Some blind are not insects.

E. All insects are bees. F. Some multi-colored insects may be blind.

1. FCA 2. DCB 3. DEA 4. ABF

**Directions for questions 13 - 15:** Read the following data and answer the questions

A group of six players P, Q, R, S, T and U are participating in a challenge tournament. All matches played are challenge matches and are governed by the following rules:

A player may challenge another player if and only if that player is ranked either one or two places above her.

If a player successfully challenges the player ranked immediately above her, the two players exchange ranks.

If a player successfully challenges the player two ranks above her, she moves up two ranks, and both the loser of the match and the player ranked below the loser move down one rank.

If a player is unsuccessful in her challenge, she and the player immediately below her exchange ranks, unless the unsuccessful challenger was already ranked last, in which case the rankings remain unchanged.

The initial rankings from the highest (first) to the lowest (sixth) are P, Q, R, S, T, U. Only one match is played at a time.

**13.** Which of the following is possible as the first match of the tournament?

1. P challenges Q 2. Q challenges R 3. R challenges P 4. S challenges P

**14.** If S reaches first place after the first two matches of the tournament, which of the following must be ranked fourth at that point in play?

1. P 2. Q 3. R 4. T

**15.** All of the following are possible rankings, from highest to lowest, after exactly two matches EXCEPT

1. P, R, Q, T, S, U 2. P, R, Q, S, U, T 3. R, P, Q, U, S, T 4. Q, P, S, R, U, T