

## **POLOTICAL SCIENCE**

1. What is meant by a Federation /Federal State?
2. Discuss any 6 features of a Federal State.
3. Discuss any 6 merits and 6 demerits of a Federal State.
4. What is a Confederation?
5. How will you differentiate between Federation and Confederation ?
6. Explain how the distribution of powers is actualized in a Federation?
7. The existence of a Supreme Court is a necessity in a Federation. Why?
8. Why is a written constitution important for a Federation?
9. With whom are the residuary powers vested in : a) USA b) India?
10. Give one reason why it is important for a Federal State to have a bicameral legislature.

## **ACCOUNTS**

MANAGEMENT ACCOUNTING- Do question 14,15,18,19,20,21,22,24,25 and 26 of chapter 4 in Accounts notebook.

## **CHEMISTRY**

### **d-f block elements (part II)**

Answer the following :

1. Define f block elements.
2. What is lanthanoid contraction?
3. What is the cause of lanthanoid contraction?
4. Why  $\text{La}(\text{OH})_3$  is more basic than  $\text{La}(\text{OH})_3$ ?
5. Why Zirconium and Hafnium have almost same chemistry?
6. How the magnetic behavior of lanthanoids is different from d block elements?
7. What is actinoid contraction?

8. What is the cause of actinoid contraction?
9. Enlist the points of similarity and difference between lanthanoids and actinoids.
10. Write equation of extraction of :
- (I) potassium permanganate from pyrolusite ore.
  - (II) potassium dichromate from chromite ore.
11. Draw the structure of:
- (i) manganate ion
  - (ii) permanganate ion
  - (iii) chromate ion
  - (iv) dichromate ion
12. Why potassium dichromate acts as a powerful oxidizing agent?
13. What happens when  $K_2Cr_2O_7$  reacts with alkali? Explain with chemical equation.
14. Complete the following equations and balance them:
- (i)  $KMnO_4 + H_2SO_4 + FeSO_4 \rightarrow$
  - (ii)  $KMnO_4 + H_2SO_4 + KI \rightarrow$
  - (iii)  $KMnO_4 + H_2SO_4 + H_2C_2O_4 \rightarrow$
  - (iv)  $KMnO_4 + H_2SO_4 + H_2S \rightarrow$
  - (v)  $KMnO_4 + H_2O + KI \rightarrow$
  - (vi)  $K_2Cr_2O_7 + H_2SO_4 + FeSO_4 \rightarrow$
  - (vii)  $K_2Cr_2O_7 + H_2SO_4 + H_2S \rightarrow$
  - (viii)  $K_2Cr_2O_7 + H_2SO_4 + H_2C_2O_4 \rightarrow$
  - (ix)  $K_2Cr_2O_7 + H_2SO_4 + KI \rightarrow$

## English Language

### Assignment

#### Topic – Comprehension

#### Class – XII

Date:- 23-04-2020

Date of Submission:- On/before 27-04-2020

**Read carefully the passage given below and answer the questions that follow:**

"Education is a never-ending journey". It is an essential human virtue, a necessity of society, basis of good life and sign of freedom. The importance of education is undeniable for every single person. It goes without saying that education has a positive effect on humans. Only with the advent of education **can** people gain knowledge. In today's society, education and learning play an indispensable role in shaping the lives of individuals and the society at large. The most effective way of boosting economic growth, reducing poverty and improving people's health is by investing in education.

The education sector in India is no longer bound to just classrooms. A lot has changed within a few decades. Today, if spoken about education, an entirely different thought comes to our mind which wasn't present a few years ago. Today, the main focus is on creativity and critical thinking along with a stable development. Thanks to new start-ups and use of Internet and smart phones, the online learning space in India is growing manifold. The rapid increase in Internet connectivity has been an important catalyst for the growth of e-learning.

The advancement in technology and easy accessibility of Internet has opened a brighter side of e-learning in India. With the introduction of Internet, learning has developed itself. It has advanced from human teaching to electronic medium — sharing of **content** online, which is called e-learning. Computers and laptops have now become a source of transferring educational content to far distant places with the help of World Wide Web.

The e-learning, though reached India late of course, but it is being fast accepted in a big way. This system promises to reach far off rural areas in India where education is still a looming darkness. The scope of e-learning is much wider in India with many e-learning companies stepping forward in providing the service. Some e-learning companies also have the facilities to award degrees and certificates to students after completion of courses, which are approved by the government. As students follow the trend of e-learning, there are ecommerce battles among the service providers. This probably is the great benefit of e-learning.

There are many e-learning portals in India, which are providing tutorials for school students also. Thus, the reach of e-learning in India has expanded from children to adults. The future of e-learning industry in India seems to be vibrant as number of Internet users is growing in the country, at quite a reasonable **rate** and more, and more reputed players are showing their interest in the e-learning business.

The global online education space has been steadily growing. Many may argue that e-learning is never a substitute for classroom learning. But interactive sessions and online classes ensure that you have contact with teachers. It has also enabled quality teachers from premier institutes to offer their knowledge to students from different parts of the country. The advantage of e-learning is that it is self-paced and learning is done at the learner's pace. The content can be repeated until the trainee understands it. One cannot deny the fact that e-learning is the most innovative application of the Internet and it has done wonders globally and currently is becoming popular in India as **well**.

(a) (i) Find the words which have a similar meaning in the passage.

1. behaviour showing high moral standards
2. many and various
3. absolutely necessary
4. a person undergoing training for a job

(ii) For the words given below, write a sentence of at least ten words using the same word unchanged in form but with a different meaning.

1. can

2. content
3. rate
4. well

(b) Answer the following questions in your own words.

- (i) What acts as a catalyst for rapid growth of e-learning?
- (ii) How different have Indian classrooms become today? What is the contributing factor to this?
- (iii) Online learning is better than classroom learning. Do you agree? Give reasons in support of your answer.
- (iv) How has online learning impacted today's education system?

(c) Online learning is the future of education in India. Express your thoughts and ideas on this in not more than 100 words.

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