

Class XII
English Core (301)
Sample Question Paper 2018-19

Time allowed: 3 hrs.

Max. Marks: 100

General Instructions:

1. This paper is divided into three sections: A, B and C.
2. All the sections are compulsory.
3. Read the instructions very carefully given with each section and question and follow them faithfully.
4. Do not exceed the prescribed word limit while answering the questions.

SECTION-A (READING)

Q1. Read the passage and on the basis of your understanding of the passage answer the questions given below: (20)

1. India has never subscribed to the doctrine of militarism and war in her history. Here war was never treated as an ideal. It was only tolerated as unavoidable and inevitable, and all attempts were made to check it and bring it under control. In spite of the frequency of wars in ancient India, in spite of highly developed military organization, techniques of war and imperialism, and in spite of the open justification of war as national policy, the heart of India loved pacifism as an ideal capable of realization. India's symbolic role was that of a peacemaker and it sincerely pinned its faith on the principle of 'Live and let live'. At least philosophically, India's intelligence supported the cause of peace not only in national affairs but in international affairs also. All the great seers of the yore visualized the unity of life, permeating all beings, animate or inanimate, which ruled out killing and suicidal wars.
2. This doctrine of philosophical pacifism was practiced by ancient *Aryans* is, no doubt, a question of controversial nature. Certainly, the great Indian teachers and *savants* stuck to this doctrine tenaciously and in their personal life they translated it into practice and preached it to masses and even to princes of military classes.
3. Another culture of those times, the existence of which has been proved by the excavations of *Mohenjo-Daro*, also enunciated the doctrine of pacifism and friendship to all. Strangely enough, the Indus Valley civilization has revealed no fortification and very few weapons.
4. Ahimsa or the doctrine of non-violence in thought, speech and action assumed a gigantic importance in the Buddhist and Jain period. By a constant practice of this virtue, man becomes unassailable by even wild beasts, who forgot their ferocity the moment they entered the circumference of his magnetic influence. The monks and nuns of these churches were apostles of peace, who reached every nook and corner of the world and delivered the message of love to war-weary humanity. The greatest votary was the royal monk *Ashoka*, who in reality was responsible for transforming Ahimsa as an act of personal virtue, to Ahimsa as an act of national virtue.

5. Many a historian recounting the causes of the downfall of the *Mauryas*, hold the pacific policy of *Ashoka* which had eschewed the aggressive militarism of his predecessors, responsible for an early decay of the military strength of the state and its consequent disintegration, leading to the rise of *Sungas*, *Kanvas* and *Andhras*. But, in reality the fault lies with the weak successors of *Ashoka*, who could not wield the weapon of non-violence with a skill and efficiency which required the strength of a spiritual giant like *Ashoka*. They failed due to their subjective weakness: Pacifism itself was no cause of their failure.
6. Besides the foregoing philosophical and religious school of thought, even many political authorities gave their unqualified support to the cause of pacifisms. They recognized the right of rivals to exist, not mainly as enemies, but as collaborators in the building of a civilization operation. Thus, for centuries, in the pre-*Mauryan* India, scores of small independent republics existed and flourished without coming in clash with each other.
7. With regard to *Kautilya*, the much maligned militarist and the so called Machiavelli of India, He thinks that the object of diplomacy is to avoid war.
8. The Mahabharata observes in the connection, “A wise man should be content with what can be obtained by the expedients of conciliation, gift and dissention.” It denounces the warring world of men by comparing it to a dog-kennel. “First there comes the wagging of tails, then turning of one round to other, then the show of teeth, then the roaring and then comes the commencement of the fights. It is the same with men; there is no difference whatever.” *Yajnavalkya* adds: ‘War is the last expedient to be used when all others have failed.’ Likewise, *Sri Krishna* who’s *Bhagwad-Gita* has been styled by some as ‘a song of the battle’, should not be considered out and out militarist. When all the three expedients were exhausted, then alone the fourth was resorted to.
9. All possible avenues of peace such as negotiation, conciliation through conference, meditation and so on, were explored before the war was resorted to. This proves that the heart of ancient India was sound and it longed for peace, although war also was not treated as an anathema, which was to be avoided as far as possible. (Words– 737)

(Extract from ‘Culture India-Pacifism has been the Ideal’ by Sri Indra)

1.1 Answer each of the questions given below by choosing the most appropriate option: (1X5=5)

- (i) The heart of India loved _____
 - a) a highly developed military organization
 - b) techniques of wars and imperialism
 - c) loans
 - d) pacifism
- (ii) Principle of ‘Live and let live’ means
 - a) imperialism
 - b) militarism
 - c) frequency of wars among nations
 - d) role of peace makers

- (iii) Aryans preached and practiced this to the masses
- non-violence
 - freedom of speech and action
 - philosophical pacifisms
 - practice of military organization
- (iv) Mahabharata compares the warring world with
- wise men
 - dog kennel
 - song of the battle
 - militarist
- (v) Unearthing *Mohan-jo-Daro* reinforced the following of Pacifism
- there was no fortification and very few weapons
 - they delivered the message of love
 - they were apostles of peace
 - thinks that the object of diplomacy is to avoid war

1.2 Answer the following questions briefly:

(1X6=6)

- How was war treated in India?
- Describe India's preparedness for war in spite of their belief in Pacifism.
- How did the Aryans practice the Doctrine of Pacifism?
- What is Ahimsa?
- What is the meaning of co-existence with rivals?
- Why should Bhagvad-Gita not be considered as "A song of the battle"?

1.3 Answer any three of the following questions in 25-30 words:

(2X3=6)

- What kind of unity did all the seers visualize?
- By some, Ashoka was considered as the cause of the downfall of the Mauryas. Do you agree? Give reasons for your answer.
- Which options were explored by Sri Krishna before resorting to war?
- Throw some light on the thinking of Kautilya regarding war.

1.4 Pick out the words/phrases from the passage which are similar in meaning to the following:

(1X3=3)

- express in definite and clear terms (para 3)
- defensive wall (para 3)
- the beginning (para 8)

Q 2. Read the passage and answer the questions given below:

(10)

1. There is a clear dichotomy between *Jayashankar Prasad's* daily life and the one that found expression in his literature. In his literary formulations, *Prasad* advocated an escape- from- personality ideal and categorically stated: "An artist's art, and not his person, is the touchstone to assess his work . . . it is only after losing his personality that he emerges in his art as an artist".
2. In *Prasad's* works – his poems, short stories, novels, dramas etc. – what emerges is life as shaped in the writer's inner self by his emotions, fancies, dreams, reveries . . . His writings are a record not of outer reality, but of the artist's inner world. As such, of a proper appreciation and understanding of his works more emphasis needs to be placed on the working of his mind, than the events of his day- to- day life.
3. Prasad was born in a renowned family of *Varansi*. His grand- father *Shiv Ratan Sahu*, a dealer in high quality perfumed tobacco (snuff). Besides being an astute businessman, he was endowed with a marked cultural taste. His home was the meeting place of the local poets, singers, artists, scholars and men of religion. Prasad's father *Devi Prasad Sahu* carried forward this high tradition of family. *Prasad*, therefore, had a chance to study the various phases of human nature in the light of the business traditions, artistic taste and religious background of his family.
4. When the business had somewhat recovered, *Prasad* planned the publication of a literary journal. Prasad started the "Indu". The inaugural number appeared in July 1909. By this time Prasad's notions of literature had crystalized into a credo. In the first issue of *Indu*, he proclaimed, 'Literature has no fixed aim; it is not slave to rules; it is free and all-embracing genius, gives birth to genuine literature which is subservient to none. Whatever in the world is true and beautiful is its subject matter. By the dealing with the True and Beautiful it establishes the one and affects the full flowering of the others. Its force can be measured by the degree of pleasure it gives to the reader's mind as also by criticism which is free of all prejudice". The words sound like the manifesto of romanticism in literature.
5. Even while recognizing the social relevance of literature, *Prasad* insisted, "The poet is a creator . . . he is not conditioned by his milieu; rather it is he who moulds it and gives it a new shape; he conjures up a new world of beauty where the reader for the time being, becomes oblivious of the outer world and passes his time in an eternal spring garden where golden lotuses blossom and the air is thick and pollen". Thus, the chief aim of literature according to Prasad is to give joy to the reader and to create a state of bliss in him. Later under the impact of *Shaivadvaitism*, this faith of *Prasad* got further strengthened.

(word length- 490)

(Extract from 'Jayashankar Prasad- His mind and Art' by Dr. Nagendra)

- 2.1 On the basis of your understanding of the above passage, make notes on it using headings and sub- headings. Use recognizable abbreviations (wherever necessary- minimum four) and a format you consider suitable. Also supply an appropriate title to it. **(5)**
- 2.2 Write a summary of the passage in about 100 words. **(5)**

SECTION: B (ADVANCED WRITING SKILLS)

Q.3 You are Simar / Smriti of Lotus International School, Jodhpur. Your school is organizing a workshop on 'Prevention of Drug Abuse' in the coming week. Prepare a poster with complete information for the students of class X-XII. (4)

OR

You are Simar / Smriti of Lotus International School, Jodhpur. Your school has decided to contribute in controlling traffic near your school and requires the names of volunteers from IX to XII. Write a notice to be displayed on the notice board. (50 words) (4)

Q.4 Public demonstration causes a lot of disturbance in daily routine of common man. You almost missed your important entrance examination as people blocked the highway. As Tarun / Taruna, a student aspiring to be a doctor, write a letter to the Editor of The Times of India highlighting the need to discourage such demonstrations and disturbance by public on highways which cause a great loss of time and opportunity for many. (100-125 words) (6)

OR

You are Tarun / Taruna who bought a new Luminous Inverter for your home from R.K. Electronics, Noida but found many functional problems as the charging is not done properly and battery water is getting leaked. Write a letter of complaint to the proprietor to take care of the same. (100-125 words) (6)

Q.5 You are Mukul / Mahima of Alps Public School. Your school has organized a debate on 'Social Media and It's Effects' and you will be participating from your school. Prepare your views against or in favour of the motion. (150-200 words) (10)

OR

As Mukul / Mahima of Alps Public School, write a speech to be delivered in school assembly highlighting the importance of cleanliness suggesting that the state of cleanliness reflects the character of its citizens. (150-200 words) (10)

Q.6 By 2050, India will be amongst the countries which will face acute water shortage. You are highly alarmed and terrified of the future world without water. So, write an article on 'Save water- are we doing enough?' for the local daily in 150-200 words. (10)

OR

You are Karan / Kirti of L.M. Memorial Public School, Dwarka. Your school has adopted a village as a social responsibility. Students are being taken to teach the children of that village on a regular basis. Write a report, for your school magazine, on the various other programmes organized there in 150-200 words. (10)

SECTION: C

(LITERATURE: TEXT BOOKS and LONG READING TEXT)

Q7. Read the following extract and answer the following questions briefly:

What I want should not be confused
with total inactivity.
Life is what it is about;
I want no truck with death.

- (i) Name the poem and the poet of the above stanza.
- (ii) What does the poet mean by 'inactivity'?
- (iii) Explain what life is all about, according to the poet?
- (iv) What is the ultimate expectation of the poet from all human beings? (1X4=4)

OR

When aunt is dead, her terrified hands will lie
Still ringed with ordeals she was mastered by.
The tigers in the panel that she made
Will go on prancing, proud and unafraid.

- (i) Name the poem and the poet of the above stanza.
- (ii) What lies in store for the Aunt?
- (iii) Explain 'ringed with ordeals'.
- (iv) Identify and name the poetic device used in the last line of the above stanza. (1X4=4)

Q8. Answer any four the following questions in 30-40 words: **(3X4=12)**

- (i) "We've all a great deal to reproach ourselves with" said M.Hamel. Refer to the context and explain what he wanted to convey to his students.
- (ii) Why was Edla happy to see the gift left by the peddler?
- (iii) When Gandhi got the whole hearted support of the lawyers, he said, 'The battle of Champaran is won'. What was the essence behind his statement?
- (iv) Did the prophecy of the astrologer come true at the end of the story? How?
- (v) What were the indignities that Zitkala-Sa had to suffer for being from a marginalized community?
- (vi) What story did Jo want to hear the next day and why? What was father's reaction to it?

Q 9. Answer any one of the following questions in 120-125 words: **(6)**

- (i) Mukesh is not like the others. His 'dreams loom like a mirage amidst the dust of streets that fill his town Firozabad'. Justify the statement in the light of contrast in the mindsets of Mukesh and the people of Firozabad.
- (ii) Unrealistic dreams often lead to a great deal of unhappiness. Justify the statement on the basis of the story 'Going Places'.
- (iii) The childhood experience of terror of Douglas made him stronger and more determined. Elucidate the above statement supporting it with evidences from the text.

Q10. Answer any one of the following questions in about 120-150 words: (6)

- (i) The servants of Sadao and Hana reflect a particular mindset of the general public in society towards the thinking and broad minded human beings. Elaborate with the help of the story ‘The Enemy’.
- (ii) Optimism in one’s attitude helps deal with all the challenges in life. Prove the statement by referring to the character Mr. Lamb from the chapter ‘On the Face of It’.
- (iii) Give a detailed account of the preparations made by the Governor for Evans James to write his examination.

Q11. Answer any one the following questions in about 120-150 words: (6)

- (i) ‘I do not agree to this. Why dream of playing a game against the race. How can you hope to gain happiness? Do not be a lone wolf. Publish your results, take the world-take the nation at least-into your confidence’, said Dr. Kemp. These words sum up, to a large extent, the downfall of a genius like Griffin. Elucidate from the novel ‘The Invisible Man’.
- (ii) Mr. Hall is a carefree man as he has a typical working life-partner in Mrs. Hall. Such persons are found in every society. Give a peep into both their characters. (The Invisible Man)
- (iii) How are the weavers treated differently from the farmers by the locals of Raveloe? (Silas Marner)
- (iv) Describe in your own words, the village of Raveloe. List some of the differences between Raveloe and Lanter Yard.

Q12. Answer any one of the following questions in about 120-150 words: (6)

- (i) The unveiling of the stranger was as unplanned and sudden for himself as for the people of Iping. Explain the reason, incident and consequence of his unveiling.
- (ii) Describe and analyse the contribution of rustic characters in the development of plot of the novel, ‘The Invisible Man’.
- (iii) What is the significance of Gold in the novel, ‘Silas Marner’.
- (iv) In the war between love and luxury, love has priority. Justify on the basis of Silas Marner.

Class – XII
Business Studies
Sample Question Paper 2018-19

MM: 80

Time Allowed: 3hours

| Section A | | Marks |
|------------------|--|--------------|
| 1 | “Successful organizations do not achieve their goals by chance but by following a deliberate process”. Identify the process highlighted here. | 1 |
| 2 | Distinguish between Delegation and Decentralization on the basis of freedom of action. | 1 |
| | Or | |
| | Distinguish between Authority and Responsibility on the basis of Origin. | |
| 3 | Name the process of stimulating and inspiring people at work to accomplish desired objectives. | 1 |
| | Or | |
| | Name the ‘on-the-job’ method of training that is used to give training to plumbers. | |
| 4 | Define Marketing Management. | 1 |
| | Or | |
| | Define ‘Grading’ as a function of marketing. | |
| 5 | Mohit purchased a smart phone for ₹30,000 from a mobile phone seller on his verbal commitment that the smart phone will be replaced in case of any defect, within a span of six months. The phone started creating technical issues in spite of proper maintenance and upkeep of the phone. The seller denied taking any action on the complaint made by Mohit. Name the redressal agency under the Consumer protection Act where Mohit can file his complaint. | 1 |
| 6 | ‘The size of assets, the profitability and competitiveness are affected by one of the financial decisions’. State the decision involved with reference to the given statement. | 1 |
| 7 | In an organization, employees always feel that they are under enormous unnecessary stress, as the manager does not provide any information about future plans but simply instructs them what to do. He also does not listen to any of the suggestions given by the subordinates. Identify the type of leadership style followed by the manager in the above situation. | 1 |
| 8 | Mr. Mohan, Financial manager of ABC Ltd., has prepared the annual Statement of proposed expenditure to be presented in the Annual General Meeting. Identify the type of plan formulated by the financial manager. | 1 |

| Section B | | |
|------------------|---|---|
| 9 | State any three points of importance of directing function of management. | 3 |
| | Or | |
| | State any three measures to overcome the communication barriers. | |
| 10 | <p>Rahul decided to start a desert cooler manufacturing business. He sets the target of earning 20% profit on sales in the first year. He was very much concerned about the future prospects of the business, which were uncertain.</p> <p>For this, he gathered information from the potential market and analyzed that the demand for wall mounted coolers is increasing day by day. He used this information as the base for future planning. On the basis of the gathered information, he called a meeting in the following week to find new methods to achieve the objective.</p> <p>a) Identify the function of management involved in the above case. b) Enumerate the next two steps, which have been followed by Rahul that are related to the process of one of the functions of management.</p> | 3 |
| 11 | “The overall objective of SEBI is to protect the interest of investors and to promote the development of, and regulate the securities market.” In light of the given statement, state any three objectives of SEBI. | 3 |
| | OR | |
| | “Financial markets play an important role in the allocation of scarce resources in an economy by performing important functions.” In light of the given statement, state any three functions performed by Financial Market. | |
| 12 | ‘Delegation is not a process of abdication.’ Comment | 3 |
| 13 | <p>Mr. Rohit is into transport business. His buses are hired by schools for transportation of students. He is willing to expand and diversify his business to inter-state transportation purposes.</p> <p>Enumerate any six factors that will affect his fixed capital requirements.</p> | 3 |
| Section C | | |
| 14 | <p>The Government of India has recently come up with an amendment to Section 6 of the Payment of Wages Act 1936, to allow employers of certain industries to make payment through various electronics modes of payments. The amendment will be applicable to all the public sector undertakings for wages disbursement using e-payment options. This is another milestone in the direction to further push to cashless economy.</p> <p>Identify and explain any two dimensions of business environment which relate to the above mentioned case.</p> | 4 |

| | | |
|---|---|---|
| 15 | State any four differences between Primary market and Secondary Market. | 4 |
| Or | | |
| Differentiate between Capital Market and Money Market on the basis of : (a) Liquidity (b) Duration (c) Expected Return (d) Safety | | |
| 16 | Aarushi buys a packet of dry cake from a cake shop without asking for the bill. The pack does not bear any information other than the name of shop. After reaching home she finds the cake to be stale. a) Identify the consumer right that has been violated. b) State any three responsibilities that a consumer must keep in mind while purchasing any good. | 4 |
| 17 | State any four characteristics of good brand name. | 4 |
| | Or | |
| State any four functions of Packaging. | | |
| 18 | Kavita recently joined as the human resource director of Arjun Vidyamandir School, a senior secondary educational institute. She observed that the school had an experienced medical team on its payroll. They regularly offered useful suggestions which were neither appreciated nor rewarded by the school authorities. Instead the school outsourced the task of maintenance of health records of the students and paid them a good compensation for their services. Because of this, the existing medical team felt disheartened and stopped giving useful suggestions. a) Identify the communication barrier discussed above. b) State the category of this communication barrier. c) Explain any other two communication barriers of the same category. | 4 |
| 19 | Sherya Ltd. is a large credit-worthy company manufacturing automobiles for the Indian market .It now wants to cater to the other market and decided to invest in new machines. For this, it requires long-term finance. It decides to raise funds by issuing equity shares. The issue of equity shares involves huge floatation cost. To meet the expenses of floatation cost the company decides to tap the money market. a) Name and discuss the money market instrument the company can use for the above purpose. b) What is the duration for which the company can get funds through this instrument? c) State any other purpose for which this instrument can be used. | 4 |
| Section D | | |
| 20 | Identify the technique of sales promotion used by the company in the following cases: (a) Purchase goods worth ₹ 90,000 and get a holiday package of ₹10,000 free. (b) A company offers 40% of extra glucose in a pack of 1 Kg. (c) A mobile company offers a discount of ₹2,000 to clear off excess inventory. | 5 |

| | | |
|----|---|---|
| | (d) A company offers a pack of 1 Kg of tea with a purchase of 5 kgs of sugar (e) On return of the wrapper, a customer gets ₹5 off on purchase of the same product. | |
| 21 | State any five functions performed by the manager who is working at the middle level management. | 5 |
| | Or | |
| | State any five characteristics of Coordination. | |
| 22 | Rudrakshi Ltd. is engaged in manufacturing high end luxury pens. The target production is 700 units daily. The company had been successfully attaining this target until three months ago. Over the last few month, it has been observed that daily productions varies between 600-650 units. I. Identify the function of management, which has been highlighted in the above context. II. Discuss the first four steps involved in the process of the function identified above. | 5 |
| | Section E | |
| 23 | Differentiate between Functional structure and Divisional structure. | 6 |
| | Or | |
| | Distinguish between Formal organization and Informal organization. | |
| 24 | A public transport corporation has hired 2000 buses for the different routes for the passengers of metropolitan city. In order to fill vacancies, it advertised in the newspaper and number of applicants applied for the same. The company has to now undertake the process of selection to identify and select the best. Explain the first six steps involved in the process. | 6 |
| 25 | Flavours Ltd. was engaged in the business of making handmade chocolates. Lately, the business was expanding due to good quality and reasonable prices. As the demand was increasing, Flavours Ltd. decided to explore bakery products as well. In order to make bakery products the company directed its workforce to work overtime but this resulted in multiple problems. Due to increased pressure the efficiency declined and the workers had to take orders from more than one superior. Workers were overburdened and their health was also affected. Gradually the quality of the products begins to decline and market share also went down. The company realized that they had implemented changes without waiting for the required infrastructure. Identify and explain the principles/technique of Taylor/Fayol referred to in the above para. | 6 |

Class XII
Economics (030)
Sample Question Paper 2018-19

MM: 80

Time Allowed: 3 hours

General Instructions:

- i. All questions in both sections are compulsory. However, there is internal choice in some questions.
- ii. Marks for questions are indicated against each question.
- iii. Question No.1-4 and 13-16 are very short answer questions carrying 1 mark each. They are required to be answered in one sentence.
- iv. Question No.5-6 and 17-18 are short answer questions carrying 3 marks each. Answers to them should not normally exceed 60 words each.
- v. Question No.7-9 and 19-21 are also short answer questions carrying 4 marks each. Answers to them should not normally exceed 70 words each.
- vi. Question No.10-12 and 22-24 are long answer questions carrying 6 marks each. Answers to them should not normally exceed 100 words each
- vii. Answers should be brief and to the point and the above word limit be adhered to as far as possible.

| SECTION A – MICROECONOMICS | | |
|-----------------------------------|--|---|
| 1 | State the reason why Total Variable Cost (TVC) curve and Total Cost (TC) curve are parallel to each other. | 1 |
| Or | | |
| | State the reason behind U-shape nature of Average Variable Cost curve. | |
| 2 | If the Total Revenue of a firm increases by ₹ 45,000 due to an increase in sale of Good X from 50 units to 65 units, then marginal revenue will be ₹.....? | 1 |
| 3 | A Production Possibility Curve would be..... curve if all the available resources in an economy are equally efficient to produce both the goods. (Choose the correct alternative) a) a straight line b) convex to origin c) concave to origin d) upward sloping | 1 |
| 4 | Which of the following is a variable cost? a) Salary of permanent staff c) licence fees b) rent of premises d) wages | 1 |
| Or | | |
| | If Total Variable Cost and Total Fixed Cost of producing 10 units are ₹500 & ₹200, the value of average cost would be? a) 50 b) 70 c) 20 d) 80 | |
| 5 | Distinguish between Normative Economics and Positive Economics, with suitable examples. | 3 |
| Or | | |
| | Why do central problems arise? Discuss briefly. | |
| 6 | Mr. Atal Singh is consuming two goods X and Y. If he is facing a situation of $\frac{MU_X}{P_X} > \frac{MU_Y}{P_Y}$, discuss how would he reach the level of equilibrium. | 3 |

| 7 | Calculate and comment on nature of price elasticity of demand, if, with a rise in price of Good X from ₹ 10 to ₹ 12, the quantity demanded falls by 40%. | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----|--------------------------------|----------------------------------|------------------------------------|------------------------------------|---|----|----|----|---|----|----|----|---|----|----|---|---|----|----|----|---|----|----|----|
| | Or | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 'As the price of a good falls, the resulting increased purchasing power may be a reason for increase in quantity demanded'. Do you agree with the given statement? Give reason for your answer. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Complete the following production schedule: | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Units of variable input</th> <th>Total Physical Product (units)</th> <th>Average Physical Product (units)</th> <th>Marginal Physical Products (units)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>10</td> <td>10</td> <td>--</td> </tr> <tr> <td>2</td> <td>--</td> <td>11</td> <td>12</td> </tr> <tr> <td>3</td> <td>--</td> <td>--</td> <td>8</td> </tr> <tr> <td>4</td> <td>35</td> <td>--</td> <td>--</td> </tr> <tr> <td>5</td> <td>--</td> <td>--</td> <td>-5</td> </tr> </tbody> </table> | | Units of variable input | Total Physical Product (units) | Average Physical Product (units) | Marginal Physical Products (units) | 1 | 10 | 10 | -- | 2 | -- | 11 | 12 | 3 | -- | -- | 8 | 4 | 35 | -- | -- | 5 | -- | -- | -5 |
| | Units of variable input | | Total Physical Product (units) | Average Physical Product (units) | Marginal Physical Products (units) | | | | | | | | | | | | | | | | | | | | | |
| | 1 | | 10 | 10 | -- | | | | | | | | | | | | | | | | | | | | | |
| | 2 | | -- | 11 | 12 | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | -- | -- | 8 | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | 35 | -- | -- | | | | | | | | | | | | | | | | | | | | | |
| 5 | -- | -- | -5 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Elaborate the price discrimination feature of monopoly. | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Or | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Why number of firms is limited in an oligopoly market? Explain. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | a) Explain with the help of a hypothetical numerical example the assumption of diminishing marginal rate of substitution under the ordinal approach of theory of consumer's behaviour. | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| | b) Why should marginal rate of substitution diminish for a stable consumer's equilibrium? | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Suppose the market for Good X is in equilibrium. Explain the chain effect, if: a) increase in market demand is less than the decrease in market supply. b) increase in market demand is more than the increase in market supply. | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Examine the effects of the following on the supply curve of a Good X, using suitable diagram: a) fall in own price of Good X. b) rise in price of factor input producing Good X. | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Or | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Define Producer's Equilibrium. Discuss briefly, the conditions of producer's equilibrium, assuming that the producer can sell more units of the good by lowering the price. | | | | | | | | | | | | | | | | | | | | | | | | | |
| SECTION B – MACROECONOMICS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Calculate the value of money multiplier if the legal reserve requirements are 20%. | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | What is money supply? | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Or | | | | | | | | | | | | | | | | | | | | | | | | | |
| | What is meant by Reverse Repo Rate? | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|----|--|---|
| 15 | <p>..... (choose the correct alternative) is a revenue receipt of the government.</p> <p>a) Funds raised by the government by issuing National Saving Certificates b) Sale of 40% shares of a public sector undertaking to a private enterprise c) Profits of LIC, a public enterprise d) Amount borrowed from Japan for construction of Bullet Train.</p> | 1 |
| 16 | <p>Identify which of the following statements is true?</p> <p>a) Fiscal deficit is difference between planned revenue expenditure and planned revenue receipts b) Fiscal deficit is difference between total planned expenditure and total planned receipts c) Primary deficit is the difference between total planned receipt and interest payments. d) Fiscal deficit is the sum of primary deficit and interest payment.</p> | 1 |
| 17 | <p>Estimate the value of Aggregate Demand in an economy if:</p> <p>a) Autonomous Investment (I) = ₹100 Crore. b) Marginal Propensity to Save = 0.2 c) Level of Income (Y) = ₹4,000 crores. d) Autonomous Consumption Expenditure (c) = ₹50 Crore</p> <p style="text-align: center;">Or</p> <p>In an economy $C = 200 + 0.5 Y$ is the consumption function where C is the consumption expenditure and Y is the national income. Investment expenditure is ₹ 400 crores. Is the economy in equilibrium at an income level ₹ 1500 crores? Justify your answer.</p> | 3 |
| 18 | <p>Explain how the level of effective demand is attained in an economy if, Aggregate Demand is more than the Aggregate Supply.</p> | 3 |
| 19 | <p>What is meant by problem of double counting? How this problem can be avoided?</p> <p style="text-align: center;">Or</p> <p>Discuss briefly, the circular flow of income in a two sector economy with the help of a suitable diagram.</p> | 4 |
| 20 | <p>Elaborate 'economic growth' as objective of government budget.</p> | 4 |
| 21 | <p>How the following tools can be used for credit control by the central bank in an economy:</p> <p>a) Open Market Operations b) Margin Requirements</p> | 4 |

| | | |
|--|--|--------|
| 22 | <p>a) State any two precautions that must be taken into consideration while estimating national income by value added method.</p> <p>b) In an economy, following transactions took place. Calculate value of output and value added by Firm B:</p> <ol style="list-style-type: none"> i. Firm A sold to firm B goods of ₹ 80 crore; to firm C ₹ 50 crore; to household ₹ 30 crore and goods of value ₹ 10 crore remains unsold ii. Firm B sold to firm C goods of ₹ 70 crore; to firm D ₹ 40 crore; goods of value ₹ 30 crore were exported and goods of value ₹ 5 crore was sold to government. | 2 4 |
| Or | | |
| Differentiate between National Income at Current Prices and National Income at Constant Prices. Which of the two presents a better view of the economic growth of economy and why? | | |
| 23 | How an initial increase in investment affects the level of final income of the economy? Show its working with a suitable numerical example. | 6 |
| 24 | <p>a) According to recent media reports: 'USA has accused China of currency devaluation to promote its exports'. In the light of the given media report comment, how exports can be promoted through the Currency devaluation?</p> <p>b) What is meant by Current Account Deficit (CAD) and Current Account Surplus (CAS)? State their significance.</p> | 3 3 |

Class XII
Accountancy
Sample Question Paper 2018-19

Time allowed : 3 Hours

Maximum Marks : 80

General Instructions:

- 1) This question paper contains two parts- A and B.
- 2) All parts of a question should be attempted at one place.

| Part – A Accounting for Not-for-Profit Organizations, Partnership Firms and Companies | | |
|--|---|-------|
| | Questions | Marks |
| 1 | Land and Building (book value) ₹ 1,60,000 sold for ₹ 3,00,000 through a broker who charged 2% commission on the deal. Journalise the transaction, at the time of dissolution of the firm. | 1 |
| 2 | Why is it necessary to revalue assets and liabilities of a firm in case of admission of a partner? | 1 |
| | Or | |
| | State any two reasons for the preparation of 'Revaluation Account' at time of admission of a partner. | |
| 3 | State the basis of accounting on which 'Receipt and Payment Account' is prepared in case of Not-for Profit Organisation. | 1 |
| | Or | |
| | What will be the treatment of 'Subscription received in advance' during the current year in the Balance Sheet of a Not-For-Profit Organisation? | |
| 4 | One of the partners in a partnership firm has withdrawn ₹ 9,000 at the end of each quarter, throughout the year. Calculate interest on drawings at the rate of 6% per annum. | 1 |
| 5 | A, B and C are partners in a firm sharing profit and losses in the ratio of 3:2:1. B died on 1 st April, 2018. C, son of B, is of the opinion that he is the rightful owner of his father's share of profits, and the profits of the firm should be now shared between A and C equally. A does not agree. Settle the dispute between A and C by giving reason. | 1 |
| 6 | Differentiate between 'Equity Share' and 'Debenture' on the basis of risk involved. | 1 |
| | Or | |
| | What is meant by 'Employee Stock Option Plan'? | |

10

Calculate the amount of sports material to be transferred to Income and Expenditure account of Raman Bhalla Sports Club, Ludhiana, for the year ended 31st March, 2018:-

3

| | Particulars | Amount (₹) |
|------|--|------------|
| i. | Sports Material sold during the year (Book Value ₹ 50,000) | 56,000 |
| ii. | Amount paid to creditors for sports material | 91,000 |
| iii. | Cash purchase of sports material | 40,000 |
| iv. | Sports material as on 31.3.17 | 50,000 |
| v. | Sports Material as on 31.3.18 | 55,000 |
| vi. | Creditors for sports material as on 31.3.17 | 37,000 |
| vii. | Creditors for sports material as on 31.3.18 | 45,000 |

11

Bhavya and Sakshi are partners in a firm, sharing profits and losses in the ratio of 3:2. On 31st March, 2018 their Balance Sheet was as under:

4

Balance Sheet of Bhavya and Sakshi
As at 31st March, 2018

| Liabilities | Amount (₹) | Assets | Amount (₹) |
|-----------------------------|-----------------|-------------------|-----------------|
| Sundry Creditors | 13,800 | Furniture | 16,000 |
| General Reserve | 23,400 | Land and Building | 56,000 |
| Investment Fluctuation Fund | 20,000 | Investments | 30,000 |
| Bhavya's Capital | 50,000 | Trade Receivables | 18,500 |
| Sakshi's Capital | 40,000 | Cash in Hand | 26,700 |
| | 1,47,200 | | 1,47,200 |

The partners have decided to change their profit sharing ratio to 1: 1 with immediate effect. For the purpose, they decided that:

- Investments to be valued at ₹ 20,000
- Goodwill of the firm valued at ₹ 24,000
- General Reserve not to be distributed between the partners.

You are required to pass necessary journal entries in the books of the firm. Show workings.

12

Dinesh, Alvin and Pramod are partners in a firm sharing profits and losses in the ratio of 5:3:2. Their Balance Sheet as at March 31, 2018 was as follows: -

4

Balance Sheet of Dinesh, Alvin and Pramod
As at 31st March, 2018

| Liabilities | Amount (₹) | Assets | Amount (₹) |
|------------------|-----------------|-----------------------|-----------------|
| Sundry Creditors | 50,000 | Debtors | 15,000 |
| General Reserve | 40,000 | Fixed Assets | 67,000 |
| Bills Payable | 10,000 | Investments | 40,000 |
| Dinesh's Capital | 30,000 | Stock | 25,500 |
| Alvin's Capital | 40,000 | Cash in Hand | 36,000 |
| Pramod's Capital | 30,000 | Deferred Revenue | |
| | | Expenditure | 14,000 |
| | | Dinesh's Loan Account | 2,500 |
| | 2,00,000 | | 2,00,000 |

Dinesh died on July 1, 2018, The executors of Dinesh are entitled to:-

- His share of goodwill. The total goodwill of the firm valued at ₹50,000.
- His share of profit up to his date of death on the basis of actual sales till date of death. Sales for the year ended March 31, 2018 was ₹ 12, 00,000 and profit for

the same year was ₹ 2,00,000. Sales shows a growth trend of 20% and percentage of profit earning remains the same.

iii. Investments were sold at par. Half of the amount due to Dinesh was paid to his executors and for the balance, they accepted a Bills Payable.

Prepare Dinesh's Capital account to be rendered to his executors.

13

Prepare Income and Expenditure Account from the following particulars of Youth Club for the year ended on 31st March, 2018: 6

**Receipts and Payments A/c
for the year ended on 31st March, 2018**

| Receipts | Amount (₹) | Payments | Amount (₹) |
|----------------------|-----------------|--------------------------|-----------------|
| To Balance b/d | 32,500 | By Salaries | 31,500 |
| To Subscription | | By Postage | 1,250 |
| 2016-17 1,500 | | By Rent | 9,000 |
| 2017-18 60,000 | | By Printing and | |
| 2018-19 <u>1,800</u> | 63,300 | Stationery | 14,000 |
| To Donations | | By Sports Material | 11,500 |
| (Billiards table) | 90,000 | By Miscellaneous | |
| | | Expenses | 3,100 |
| To Entrance Fees | 1,100 | By Furniture (1.10.2017) | 20,000 |
| To Sale of old | | By 10% investment | |
| magazines | 450 | (1.10.2017) | 70,000 |
| | | By Balance c/d (31.3.18) | 27,000 |
| | 1,87,350 | | 1,87,350 |

Additional Information:

- i. Subscription outstanding as at March 31st 2018 ₹ 16,200
- ii. ₹ 1200 is still in arrears for the year 2016-17 for subscription
- iii. Value of sports material at the beginning and at the end of the year was ₹ 3,000 and ₹ 4,500 respectively.
- iv. Depreciation to be provided @ 10% p.a. on furniture.

14

Pradeep and Rajesh were partners in a firm sharing profits and losses in the ratio of 3:2. They decided to dissolve their partnership firm on 31st March, 2018. Pradeep was deputed to realize the assets and to pay off the liabilities. He was paid ₹ 1,000 as commission for his services. The financial position of the firm on 31st March, 2018 was as follows: 6

**Balance Sheet
As at March 31, 2018**

| Liabilities | Amount (₹) | Assets | Amount (₹) |
|------------------------|-----------------|-----------------------------|-----------------|
| Creditors | 80,000 | Building | 1,20,000 |
| Mrs Pradeep's Loan | 40,000 | Investment | 30,600 |
| Rajesh's loan | 24,000 | Debtors 34,000 | |
| | | Less : Provision for | |
| | | Doubtful Debts <u>4,000</u> | 30,000 |
| Investment Fluctuation | 8,000 | Bills Receivable | 37,400 |
| Fund | | Bank | 6,000 |
| Capitals: | | Profit and Loss A/c | 8,000 |
| Pradeep 42,000 | | Goodwill | 4,000 |
| Rajesh <u>42,000</u> | 84,000 | | |
| | 2,36,000 | | 2,36,000 |

| | | |
|----|--|---|
| | <p>Following terms and conditions were agreed upon:</p> <ol style="list-style-type: none"> i. Pradeep agreed to pay off his wife's loan. ii. Half of the debtor's realized ₹ 12,000 and remaining debtors were used to pay off 25% of the creditors. iii. Investment sold to Rajesh for ₹ 27,000 iv. Building realized ₹ 1,52,000 v. Remaining creditors were to be paid after two months, they were paid immediately at 10% p.a. discount vi. Bill receivables were settled at a loss of ₹ 1,400 vii. Realization expenses amounted to ₹ 2,500 <p>Prepare Realization Account.</p> | |
| 15 | <p>Mudit, Sudhir and Uday are partners in a firm sharing profits in the ratio of 3:1:1. Their fixed capital balances are ₹ 4,00,000, ₹ 1,60,000 and ₹ 1,20,000 respectively. Net profit for the year ended 31st March, 2018 distributed amongst the partners was ₹ 1,00,000, without taking into account the following adjustments:</p> <ol style="list-style-type: none"> a) Interest on capitals @ 2.5% p.a.; b) Salary to Mudit ₹ 18,000 p.a. and commission to Uday ₹ 12,000 c) Mudit was allowed a commission of 6% of divisible profit after charging such commission. <p>Pass a rectifying journal entry in the books of the firm. Show workings clearly.</p> <p style="text-align: center;">Or</p> <p>The partners of a firm, Alia, Bhanu and Chand distributed the profits for the year ended 31st March, 2017, ₹ 80,000 in the ratio of 3:3:2 without providing for the following adjustments:</p> <ol style="list-style-type: none"> a) Alia and Chand were entitled to a salary of ₹ 1,500 each p.a. b) Bhanu was entitled for a commission of ₹ 4,000 c) Bhanu and Chand had guaranteed a minimum profit of ₹ 35,000 p.a. to Alia any deficiency to borne equally by Bhanu and Chand. <p>Pass the necessary Journal entry for the above adjustments in the books of the firm. Show workings clearly.</p> | 6 |
| 16 | <p>Anshika Ltd. issued applications for 2,00,000 equity shares of ₹10 each, at a premium of ₹4 per share. The amount was payable as follows:</p> <p style="padding-left: 40px;">On application ₹ 6 (including ₹2 premium)</p> <p style="padding-left: 40px;">On allotment ₹ 7 (including ₹2 premium)</p> <p style="padding-left: 40px;">Balance on first and final call</p> <p>Applications for 3,00,000 shares were received. Allotment was made to all the applicants on pro-rata basis. Mehak to whom 400 shares were allotted, failed to pay allotment and call money. Khushboo who had applied for 300 shares failed to pay call money. These shares were forfeited after Final call. 400 of the forfeited shares (including all shares of Khushboo) were reissued @ ₹8 per share as fully paid up. Pass necessary journal entries in the books of Anshika Ltd. for the above transactions by opening calls in arrears and calls in advance account wherever necessary.</p> <p style="text-align: center;">Or</p> | 8 |

Khyati Ltd. issued a prospectus inviting applications for 80,000 equity shares of ₹10 each payable as follows:

- ₹2 on application
- ₹3 on allotment
- ₹2 on first call
- ₹3 on final call

Applications were received for 1,20,000 equity shares. It was decided to adjust the excess amount received on account of over subscription till allotment only. Hence allotment was made as under:

- (i) To applicants for 20,000 shares – in full
- (ii) To applicants for 40,000 shares – 10,000 shares
- (iii) To applicants for 60,000 shares – 50,000 shares

Allotment was made and all shareholders except Tammana, who had applied for 2,400 shares out of the group (iii), could not pay allotment money. Her shares were forfeited immediately, after allotment. Another shareholder Chaya, who was allotted 500 shares out of group (ii), failed to pay first call. 50% of Tamanna's shares were reissued to Satnaam as ₹ 7 paid up for payment of ₹ 9 per share.

Pass necessary journal entries in the books of Khyati Ltd. for the above transactions by opening calls in arrears and calls in advance account wherever necessary.

17

Divya, Yasmin and Fatima are partners in a firm, sharing profits and losses in 11:7:2 respectively. The balance sheet of the firm as on 31st March 2018 was as follows:

**Balance Sheet
As at 31.3.2018**

| Liabilities | Amount (₹) | Assets | Amount (₹) |
|----------------------|------------------|---------------------|------------------|
| Sundry Creditors | 70,000 | Factory Building | 7,35,000 |
| Public Deposits | 1,19,000 | Plant and Machinery | 1,80,000 |
| Reserve fund | 90,000 | Furniture | 2,60,000 |
| Outstanding Expenses | 10,000 | Stock | 1,45,000 |
| Capital accounts | | Debtors | 1,50,000 |
| Divya | 5,10,000 | Less: Provision | (30,000) |
| Yasmin | 3,00,000 | Cash at bank | 1,59,000 |
| Fatima | 5,00,000 | | |
| | 15,99,000 | | 15,99,000 |

On 1.4.2018, Aditya is admitted as a partner for one-fifth share in the profits with a capital of ₹4,50,000 and necessary amount for his share of goodwill on the following terms:

- i. Furniture of ₹2,40,000 were to be taken over Divya, Yasmin and Fatima equally.
- ii. A creditor of ₹ 7,000 not recorded in books to be taken into account.
- iii. Goodwill of the firm is to be valued at 2.5 years purchase of average profits of last two years. The profit of the last three years were:
2015-16 ₹6,00,000; 2016-17 ₹2,00,000; 2017-18 ₹6,00,000
- iv. At time of Aditya's admission Yasmin also brought in 50,000 as fresh capital
- v. Plant and Machinery is re-valued to ₹2,00,000 and expenses outstanding were brought down to ₹ 9,000. Prepare Revaluation Account, Partners Capital Account and the balance sheet of the reconstituted firm.

Or

8

The Balance Sheet of Adil, Bhavya and Cris as at 31st March 2018 was as under:

Balance Sheet

As at 31.3.18

| Liabilities | Amount(₹) | Assets | Amount (₹) |
|---------------------|-----------------|--------------|-----------------|
| Capital Accounts: | | Buildings | 1,20,000 |
| Adil | 40,000 | Motor car | 18,000 |
| Bhavya | 30,000 | Stock | 20,000 |
| Cris | 20,000 | Investments | 20,000 |
| General Reserve | 10,000 | Debtors | 40,000 |
| Investment | | Cash at Bank | 12,000 |
| Fluctuation Reserve | 7,000 | | |
| Sundry creditors | 1,23,000 | | |
| | 2,30,000 | | 2,30,000 |

The partners share profits in the ratio of 5:3:2. On 1-4-2018, Cris retires from the firm on the following terms and conditions:

- i. 20% of the General Reserve is to remain as a reserve for bad and doubtful debts
- ii. Motor car is to be reduced by 5%
- iii. Stock is to be revalued at ₹ 17,500 and investment to be re-valued at ₹ 18,000
- iv. Goodwill is to be valued at 3 years' purchase of the average profits of last 4 years. Profits of the last four years were:

2014-15 ₹13,000; 2015-16 ₹11,000; 2016-17 ₹16,000 and 2017-18 ₹24,000

Cris was paid in full. Adil and Bhavya borrowed the necessary amount from the Bank on the security of Building to pay off Cris.

Pass necessary journal entries.

Part B: Analysis of Financial Statements

Option-I

| | | | | | | | | | | | | |
|--|--|---------------------------------|---------|---------------------------------|------------|--------------------|-----|--|--|--|--|---|
| 18 | Under which type of activity will you classify 'Rent received' while preparing cash flow statement? | 1 | | | | | | | | | | |
| 19 | State any one advantage of preparing Cash Flow Statement. | 1 | | | | | | | | | | |
| 20 | Under which major heads and subheads of the Balance Sheet of a company, will the following items be shown:- i) Loose Tools ii) Retirement Benefits Payable to employees iii) Patents iv) Interest on Calls in Advance | 4 | | | | | | | | | | |
| 21 | Calculate amount of Opening Trade Receivables and Closing Trade Receivables from the following figures: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 70%;">Trade Receivable Turnover ratio</td> <td style="width: 30%;">5 times</td> </tr> <tr> <td>Cost of Revenue from Operations</td> <td>₹ 8,00,000</td> </tr> <tr> <td>Gross Profit ratio</td> <td>20%</td> </tr> <tr> <td>Closing Trade Receivables were ₹ 40,000 more than in the beginning</td> <td></td> </tr> <tr> <td>Cash sales being ¼ times of Credit sales</td> <td></td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 5px;">Or</p> | Trade Receivable Turnover ratio | 5 times | Cost of Revenue from Operations | ₹ 8,00,000 | Gross Profit ratio | 20% | Closing Trade Receivables were ₹ 40,000 more than in the beginning | | Cash sales being ¼ times of Credit sales | | 4 |
| Trade Receivable Turnover ratio | 5 times | | | | | | | | | | | |
| Cost of Revenue from Operations | ₹ 8,00,000 | | | | | | | | | | | |
| Gross Profit ratio | 20% | | | | | | | | | | | |
| Closing Trade Receivables were ₹ 40,000 more than in the beginning | | | | | | | | | | | | |
| Cash sales being ¼ times of Credit sales | | | | | | | | | | | | |

From the following data, calculate Current ratio and Liquid Ratio

| | |
|--|----------|
| Liquid Assets | ₹ 75,000 |
| Inventories(Includes Loose Tools of ₹20,000) | ₹ 35,000 |
| Prepaid expenses | ₹10,000 |
| Working Capital | ₹ 60,000 |

22

From the following Balance Sheet of R Ltd., Prepare a Common Size Statement
Balance Sheet As at 31st March, 2018.

4

| Particulars | Note no. | 31.3.2018 (₹) | 31.3.2017 (₹) |
|---------------------------------|----------|------------------|------------------|
| I EQUITY AND LIABILITIES | | | |
| 1. Shareholder's Funds: | | | |
| a. Share Capital | | 2,50,000 | 2,00,000 |
| b. Reserve and Surplus | | 80,000 | 60,000 |
| 2. Current Liabilities: | | | |
| a. Trade Payable | | 70,000 | 40,000 |
| Total | | 4,00,000 | 3,00,000 |
| II ASSETS | | | |
| 1. Non-Current Assets: | | | |
| a. Fixed Assets: | | | |
| i. Tangible Assets | | 1,60,000 | 1,20,000 |
| ii. Intangible Assets | | 20,000 | 30,000 |
| 2. Current Assets | | | |
| a. Inventories | | 80,000 | 30,000 |
| b. Trade Receivables | | 1,20,000 | 1,00,000 |
| c. Cash and Cash Equivalents | | 20,000 | 20,000 |
| Total | | 4,00,000 | 3,00,000 |

Or

From the following Statement of Profit and Loss of the Sakhi Ltd. for the year ended 31st March 2018, prepare Comparative Statement of Profit & Loss.

Statement of Profit & Loss for the year ended 31st March, 2018

| Particulars | 2016-17 (₹) | 2017-18(₹) |
|------------------------------|-------------|------------|
| Revenue from Operations | 25,00,000 | 40,00,000 |
| Expenses: | | |
| a) Employee benefit expenses | 7,00,000 | 10,00,000 |
| b) Other Expenses | 3,00,000 | 2,00,000 |
| Rate of Tax - 40% | | |

23

From the following Balance Sheets of Vishva Ltd., prepare Cash Flow Statement as per AS-3 (revised) for the year ending 31st March, 2018

6

| Particulars | Note No. | 31.3.2018 (₹) | 31.3.2017 (₹) |
|---------------------------------|----------|------------------|------------------|
| I EQUITY AND LIABILITIES | | | |
| 1. Shareholder's Funds: | | | |
| a. Share Capital | | 1,02,000 | 84,000 |
| b. Reserve and Surplus | 1 | 36,000 | 22,560 |
| 2. Non-Current Liabilities | | | |

| | | | |
|------------------------------|---|----------------|-----------------|
| a. Long Term Borrowings | 2 | 60,000 | 48,000 |
| 3. Current Liabilities: | | | |
| a. Short term Borrowings | 3 | 10,000 | 5,000 |
| b. Trade Payable | | 28,800 | 36,000 |
| c. Short Term provisions | 4 | 16,800 | 18,000 |
| Total | | 253,600 | 2,13,560 |
| II ASSETS | | | |
| 1. Non-Current Assets: | | | |
| a. Fixed Assets: | | | |
| i. Tangible Assets | 5 | 1,18,800 | 1,32,000 |
| 2. Current Assets | | | |
| a. Inventories | | 61,800 | 45,600 |
| b. Trade Receivables | 6 | 33,600 | 27,600 |
| c. Cash and Cash Equivalents | | 39,400 | 8,360 |
| Total | | 253,600 | 2,13,560 |

Notes to Accounts

| Note No. | Particulars | 31.3.2018(₹) | 31.3.2017(₹) |
|----------|---|-----------------|-----------------|
| 1 | Reserve and Surplus | | |
| | Balance in Statement of Profit and Loss | 15,600 | 5,760 |
| | General Reserve | 20,400 | 16,800 |
| | | 36,000 | 22,560 |
| 2 | Long Term Borrowings | | |
| | 10% Debentures | 60,000 | 48,000 |
| | | 60,000 | 48,000 |
| 3 | Short- term Borrowings | | |
| | Bank Overdraft | 10,000 | 5,000 |
| | | 10,000 | 5,000 |
| 4 | Short-term Provisions | | |
| | Provision for Income Tax | 16,800 | 18,000 |
| | | 16,800 | 18,000 |
| 5 | Tangible assets | | |
| | Land and Building | 96,000 | 97,200 |
| | Plant and Machinery | 22,800 | 34,800 |
| | | 1,18,800 | 1,32,000 |
| 6 | Trade Receivables | | |
| | Debtors | 19,200 | 24,000 |
| | Bills Receivables | 14,400 | 3,600 |
| | | 33,600 | 27,600 |

Additional Information:

- (a) Tax paid during the year 2017-18 ₹14,400
- (b) Depreciation on plant charged during the year 2017-18 was ₹14,400
- (c) Additional debentures were issued on March 31,2018

**Part B: Computerised Accounting
Option II**

| | | |
|----|--|---|
| 18 | Which function is used to compute loan repayment schedule? | 1 |
| 19 | What is data validation? | 1 |
| 20 | Differentiate between desktop database and server database. | 4 |
| 21 | Explain the steps in installation of computerised accounting system. | 4 |

| | | |
|----|---|---|
| 22 | Give any four features of computerized accounting system. | 4 |
| | Or | |
| | Give any four limitations of computerized accounting system | |
| 23 | Explain any six features of Tally 9.0 software. | 6 |

**SAMPLE QUESTION PAPER
PHYSICAL EDUCATION (048)
CLASS XII (2018-19)**

TIME ALLOWED: 3 HRS

MAXIMUM MARKS: 70

GENERAL INSTRUCTIONS:

- 1) The question paper consists of 26 questions.
- 2) All questions are compulsory.
- 3) Answer to question 1-11 carrying 1 mark should be in approximately 20- 30 words.
- 4) Answer to question 12-19 carrying 3 marks should be in approximately 80-100 words.
- 5) Answer to question 20-26 carrying 5 marks should be in approximately 150-200 words.

| SECTION – A | | |
|--------------------|--|---|
| 1 | Define Endurance. | 1 |
| 2 | What is food intolerance? | 1 |
| 3 | Define Asana. | 1 |
| 4 | Mention any one cause of ODD. | 1 |
| | Or | |
| | What is seeding? | |
| 5 | Briefly mention two advantages of Weight Training. | 1 |
| 6 | What is menstrual dysfunction? | 1 |
| | Or | |
| | What do you understand by Diabetes? | |
| 7 | Mention the two advantages of Harvard step test. | 1 |
| 8 | What is sarcolemma? | 1 |
| | Or | |
| | Explain the benefits of Pavanmuktasana | |
| 9 | Enlist the classification of sports injuries. | 1 |
| 10 | Define Projectile. | 1 |
| | Or | |
| | Differentiate between gross and fine motor skills | |
| 11 | Explain the Jung's classification of personality. | 1 |
| SECTION – B | | |
| 12 | Describe the advantages of league tournaments. | 3 |
| | Or | |
| | How composition of muscle fibers effect speed ? | |

| | | |
|----|---|---|
| 13 | Olympic Games draw attention of the world towards the importance of physical education. It develops health and better citizens. The development of loyalty, brotherhood and team spirit takes place through participation in games. The various diversities due to different castes, racial differences, languages, cultures, the difference between countries widens the outlook of sports person. (a) What values do the Olympic Games teaches the sports persons? (b) According to you how Olympics is helping to create global unity? (c) What Olympic games develops? | 3 |
| 14 | Mention the sources of carbohydrates. | 3 |
| | Or | |
| | Elaborate the effects of exercise on size of the heart. | |
| 15 | Explain cognitive disability. | 3 |
| 16 | How dislocation can be managed? | 3 |
| 17 | Define Trajectory. | 3 |
| 18 | Explain the meaning of external motivation. | 3 |
| | Or | |
| | Explain any six changes due to ageing. | |
| 19 | Describe Fartlek training method. | 3 |
| | SECTION – C | |
| 20 | Draw a fixture of twenty six teams participating in the knockout tournament. | 5 |
| 21 | Explain the methods to prevent asthma. | 5 |
| 22 | Explain the factors affecting motor development. | 5 |
| | Or | |
| | Define friction in sports. | |
| 23 | Explain in detail on female athletes 'triad. | 5 |
| 24 | Explain the Barrow motor ability test. | 5 |
| 25 | Explain the physiological factors determining Strength and Speed. | 5 |
| 26 | Explain the types of coordinative abilities. | 5 |
| | Or | |
| | Explain the coping strategies. | |

Class XII
Computer Science (083)
Sample Question Paper 2018-19

Time allowed: 3 Hours

Max. Marks: 70

General Instructions:

- (a) All questions are compulsory.
- (b) Programming Language with C++
- (c) In Question 2(b, d), 3 and 4 has internal choices.

| Q. No. | Part | Question Description | Marks |
|--------|------|---|-------|
| 1 | (a) | Write the type of C++ Operators (Arithmetic, Logical, and Relational Operators) from the following: (i) !(ii) !=(iii) &&(iv) % | (2) |
| | (b) | Observe the following program very carefully and write the name of those header file(s), which are essentially needed to compile and execute the following program successfully: <pre>void main() { char text[20], newText[20]; gets(text); strcpy(newText,text); for(int i=0;i<strlen(text);i++) if(text[i] == 'A') text[i] = text[i]+2; puts(text); }</pre> | (1) |
| | (c) | Rewrite the following C++ code after removing any/all Syntactical Error(s) with each correction underlined. Note: Assume all required header files are already being included in the program. <pre>#define float PI 3.14 void main() { float R=4.5,H=1.5; A=2*PI*R*H + 2*PIpow(R,2); cout<<'Area='<<A<<endl; }</pre> | (2) |

| | | |
|-----|---|-----|
| (d) | <p>Find and write the output of the following C++ program code: Note: Assume all required header files are already being included in the program.</p> <pre> void main() { int Ar[] = { 6 , 3 , 8 , 10 , 4 , 6 , 7 } ; int *Ptr = Ar , I ; cout<<++*Ptr++ << '@' ; I = Ar[3] - Ar[2] ; cout<<++*(Ptr+I)<< '@' << "\n" ; cout<<++I + *Ptr++ << '@' ; cout<<*Ptr++ << '@' << '\n' ; for(; I >= 0 ; I -= 2) cout<<Ar[I] << '@' ; } </pre> | (3) |
| (e) | <p>Find and write the output of the following C++ program code:</p> <pre> typedef char STRING[80]; void MIXNOW(STRING S) { int Size=strlen(S); for(int I=0;I<Size;I+=2) { char WS=S[I]; S[I]=S[I+1]; S[I+1]=WS; } for (I=1;I<Size;I+=2) if (S[I]>='M' && S[I]<='U') S[I]='@'; } void main() { STRING Word="CBSEEXAM2019"; MIXNOW(Word); cout<<Word<<endl; } </pre> | (2) |
| (f) | <p>Observe the following program and find out, which output(s) out of (i) to (iv) will be expected from the program? What will be the minimum and the maximum value assigned to the variable Alter?</p> <p>Note: Assume all required header files are already being included in the program.</p> <pre> void main() { randomize(); int Ar[]={ 10,7}, N; </pre> | (2) |

| | | | |
|---|-----|---|------------------------------------|
| | | <pre> int Alter=random(2) + 10 ; for (int C=0;C<2;C++) { N=random(2) ; cout<<Ar[N] +Alter<<"#"; } } </pre> | |
| | | <p>(i) 21#20# (iii) 20#17#</p> | <p>(ii) 20#18# (iv) 21#17#</p> |
| 2 | (a) | What is a copy constructor? Illustrate with a suitable C++ example. | (2) |
| | (b) | <p>Write the output of the following C++ code. Also, write the name of feature of Object Oriented Programming used in the following program jointly illustrated by the Function 1 to Function 4.</p> <pre> void My_fun () // Function 1 { for (int I=1 ; I<=50 ; I++) cout<< "-" ; cout<<end1 ; } void My_fun (int N) // Function 2 { for (int I=1 ; I<=N ; I++) cout<<"*" ; cout<<end1 ; } void My_fun (int A, int B) // Function 3 { for (int I=1. ;I<=B ;I++) cout <<A*I ; cout<<end1 ; } void My_fun (char T, int N) // Function 4 { for (int I=1 ; I<=N ; I++) cout<<T ; cout<<end1; } void main () { int X=7, Y=4, Z=3; char C='#' ; My_fun (C,Y) ; My_fun (X,Z) ; } </pre> | (2) |
| | | OR | |
| | | (b) Write any four differences between Constructor and Destructor function with respect to object oriented programming. | |

| | | | | | | | | | | |
|-----------------|---|----------------|------|----------------|-------------|----------------|-------------|-----------------|-------------|-----|
| (c) | <p>Define a class Ele_Bill in C++ with the following descriptions:</p> <p><u>Private members:</u></p> <p>Cname of type character array Pnumber of type long No_of_units of type integer Amount of type float. Calc_Amount() This member function should calculate the amount as No_of_units*Cost .</p> <p>Amount can be calculated according to the following conditions:</p> <p><u>No of units Cost</u></p> <table border="0"> <tr> <td>First 50 units</td> <td>Free</td> </tr> <tr> <td>Next 100 units</td> <td>0.80 @ unit</td> </tr> <tr> <td>Next 200 units</td> <td>1.00 @ unit</td> </tr> <tr> <td>Remaining units</td> <td>1.20 @ unit</td> </tr> </table> <p><u>Public members:</u></p> <ul style="list-style-type: none"> * A function Accept() which allows user to enter Cname, Pnumber, No_of_units and invoke function Calc_Amount(). * A function Display() to display the values of all the data members on the screen. | First 50 units | Free | Next 100 units | 0.80 @ unit | Next 200 units | 1.00 @ unit | Remaining units | 1.20 @ unit | (4) |
| First 50 units | Free | | | | | | | | | |
| Next 100 units | 0.80 @ unit | | | | | | | | | |
| Next 200 units | 1.00 @ unit | | | | | | | | | |
| Remaining units | 1.20 @ unit | | | | | | | | | |
| (d) | <p>Answer the questions (i) to (iv) based on the following:</p> <pre> class Faculty { int FCode; protected: char FName[20]; public: Faculty(); void Enter(); void Show(); }; class Programme { int PID; protected: char Title[30]; public: Programme(); void Commence(); void View(); }; class Schedule: public Programme, Faculty { int DD,MM,YYYY; public: </pre> | (4) | | | | | | | | |

| | |
|-----------|--|
| | <pre> Schedule(); void Start(); void View(); }; void main() { Schedule S; //Statement 1 _____ //Statement 2 } </pre> |
| (i) | Write the names of all the member functions, which are directly accessible by the object S of class Schedule as declared in main() function. |
| (ii) | Write the names of all the members, which are directly accessible by the memberfunction Start() of class Schedule. |
| (iii) | Write Statement 2 to call function View() of class Programme from the object S of class Schedule. |
| (iv) | What will be the order of execution of the constructors, when the object S of class Schedule is declared inside main()? |
| OR | |
| (d) | <p>Consider the following class State :</p> <pre> class State { protected : int tp; public : State() { tp=0;} void inctp() { tp++;}; int gettp(); { return tp; } }; </pre> <p>Write a code in C++ to publically derive another class ‘District’ with the following additional members derived in the public visibility mode.</p> <p><u>Data Members :</u> Dname string Distance float Population long int</p> <p><u>Member functions :</u> DINPUT() : To enter Dname, Distance and population DOUTPUT() : To display the data members on the screen.</p> |

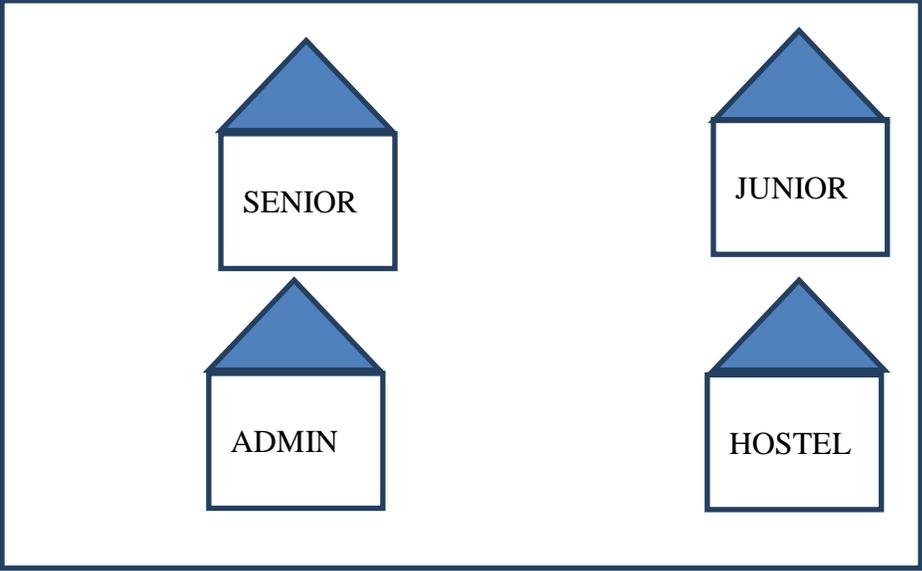
| | | | | | | | | | |
|-----------|---|--|----|----|----|----|---|---|-----|
| 3 | (a) | <p>Write a user-defined function <code>AddEnd4(int A[][4],int R,int C)</code> in C++ to find and display the sum of all the values, which are ending with 4 (i.e., unit place is 4). For example if the content of array is:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>24</td> <td>16</td> <td>14</td> </tr> <tr> <td>19</td> <td>5</td> <td>4</td> </tr> </table> <p>The output should be 42</p> | 24 | 16 | 14 | 19 | 5 | 4 | (2) |
| | 24 | 16 | 14 | | | | | | |
| | 19 | 5 | 4 | | | | | | |
| | OR | | | | | | | | |
| (a) | Write a user defined function in C++ to find the sum of both left and right diagonal elements from a two dimensional array. | | | | | | | | |
| (b) | <p>Write a user-defined function <code>EXTRA_ELE(int A[], int B[], int N)</code> in C++ to find and display the extra element in Array A. Array A contains all the elements of array B but one more element extra. (Restriction: array elements are not in order)</p> <p>Example If the elements of Array A is 14, 21, 5, 19, 8, 4, 23, 11 and the elements of Array B is 23, 8, 19, 4, 14, 11, 5 Then output will be 21</p> | (3) | | | | | | | |
| OR | | | | | | | | | |
| (b) | <p>Write a user defined function <code>Reverse(int A[],int n)</code> which accepts an integer array and its size as arguments(parameters) and reverse the array. Example : if the array is 10,20,30,40,50 then reversed array is 50,40,30,20,10</p> | | | | | | | | |
| (c) | An array <code>S[10][30]</code> is stored in the memory along the column with each of its element occupying 2 bytes. Find out the memory location of <code>S[5][10]</code> , if element <code>S[2][15]</code> is stored at the location 8200. | (3) | | | | | | | |
| OR | | | | | | | | | |
| (c) | An array <code>A[30][10]</code> is stored in the memory with each element requiring 4 bytes of storage ,if the base address of A is 4500 ,Find out memory locations of <code>A[12][8]</code> , if the content is stored along the row. | | | | | | | | |
| (d) | <p>Write the definition of a member function <code>Ins_Player()</code> for a class <code>CQUEUE</code> in C++, to add a Player in a statically allocated circular queue of <code>PLAYERS</code> considering the following code is already written as a part of the program:</p> <pre>struct Player { long Pid; char Pname[20];</pre> | (4) | | | | | | | |

| | | |
|---|---|-----|
| | <pre> }; const int size=10; class CQUEUE { Player Ar[size]; int Front, Rear; public: CQUEUE() { Front = -1; Rear = -1; } void Ins_Player(); // To add player in a static circular queue void Del_Player(); // To remove player from a static circular queue void Show_Player(); // To display static circular queue }; </pre> | |
| | OR | |
| | <p>(d) Write a function in C++ to delete a node containing Books information ,from a dynamically allocated stack of Books implemented with the help of the following structure:</p> <pre> struct Book { int BNo; char BName[20]; Book *Next; }; </pre> | |
| | <p>(e) Convert the following Infix expression to its equivalent Postfix expression, showing the stack contents for each step of conversion.</p> <p style="text-align: center;">A/B+C*(D-E)</p> | (2) |
| | OR | |
| | <p>Evaluate the following Postfix expression :</p> <p>4,10,5,+,* ,15,3,/,-</p> | |
| 4 | <p>(a) Write a function RevText() to read a text file “ Input.txt “ and Print only word starting with ‘I’ in reverse order .</p> <p>Example: If value in text file is: INDIA IS MY COUNTRY</p> <p>Output will be: AIDNI SI MY COUNTRY</p> | (2) |
| | OR | |
| | <p>(a) Write a function in C++ to count the number of lowercase alphabets present in a text file “BOOK..txt”.</p> | |

| | | |
|-----------|---|-----|
| (b) | <p>Write a function in C++ to search and display details, whose destination is "Cochin" from binary file "Bus.Dat". Assuming the binary file is containing the objects of the following class:</p> <pre> class BUS { int Bno; // Bus Number char From[20]; // Bus Starting Point char To[20]; // Bus Destination public: char * StartFrom (); { return From; } char * EndTo(); { return To; } void input() { cin>>Bno>>; gets(From); get(To); } void show() { cout<<Bno<< ":"<<From << ":" <<To<<endl; } }; </pre> | (3) |
| OR | | |
| (b) | <p>Write a function in C++ to add more new objects at the bottom of a binary file "STUDENT.dat", assuming the binary file is containing the objects of the following class :</p> <pre> class STU { int Rno; char Sname[20]; public: void Enter() { cin>>Rno;gets(Sname); } void show() { count << Rno<<sname<<endl; } }; </pre> | |
| (c) | <p>Find the output of the following C++ code considering that the binary file PRODUCT.DAT exists on the hard disk with a list of data of 500 products.</p> <pre> class PRODUCT { int PCode;char PName[20]; public: void Entry();void Disp(); }; void main() { fstream In; In.open("PRODUCT.DAT",ios::binary ios::in); PRODUCT P; In.seekg(0,ios::end); cout<<"Total Count: "<<In.tellg()/sizeof(P)<<endl; } </pre> | (1) |

| | | <pre> In.seekg(70*sizeof(P)); In.read((char*)&P, sizeof(P)); In.read((char*)&P, sizeof(P)); cout<<"At Product:"<<In.tellg()/sizeof(P) + 1; In.close(); } </pre> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|------------|--|--------------|--------|------|--------------|--------|-----|---------|------------|------------|--------|-----|------------|-------|------------|-------|------------|--------|------------|------------|------------|-----|-----------|-------|------------|-------|-----|-------|--------|------------|-------|-----|------------|---------|------------|-------|-----|-------|------|-----------|-----|------|-------|-------|------------|-----|------|------|-------|------------|-----|------|-----|-------|------------|-----|------|------|------|------------|-----|------|-----|-------|------------|-----|------|---------|-------|------------|-----|-------|
| | | OR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) | Which file stream is required for seekg() ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | (a) | <p>Observe the following table and answer the parts(i) and(ii) accordingly</p> <p>Table:Product</p> <table border="1"> <thead> <tr> <th>Pno</th> <th>Name</th> <th>Qty</th> <th>PurchaseDate</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>Pen</td> <td>102</td> <td>12-12-2011</td> </tr> <tr> <td>102</td> <td>Pencil</td> <td>201</td> <td>21-02-2013</td> </tr> <tr> <td>103</td> <td>Eraser</td> <td>90</td> <td>09-08-2010</td> </tr> <tr> <td>109</td> <td>Sharpener</td> <td>90</td> <td>31-08-2012</td> </tr> <tr> <td>113</td> <td>Clips</td> <td>900</td> <td>12-12-2011</td> </tr> </tbody> </table> | Pno | Name | Qty | PurchaseDate | 101 | Pen | 102 | 12-12-2011 | 102 | Pencil | 201 | 21-02-2013 | 103 | Eraser | 90 | 09-08-2010 | 109 | Sharpener | 90 | 31-08-2012 | 113 | Clips | 900 | 12-12-2011 | (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pno | Name | Qty | PurchaseDate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | Pen | 102 | 12-12-2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | Pencil | 201 | 21-02-2013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | Eraser | 90 | 09-08-2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 109 | Sharpener | 90 | 31-08-2012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 113 | Clips | 900 | 12-12-2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (i) | Write the names of most appropriate columns, which can be considered as candidate keys. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (ii) | What is the degree and cardinality of the above table? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) | <p>Write SQL queries for (i) to (iv) and find outputs for SQL queries (v) to (viii), which are based on the tables.</p> <p style="text-align: center;">TRAINER</p> <table border="1"> <thead> <tr> <th>TID</th> <th>TNAME</th> <th>CITY</th> <th>HIREDATE</th> <th>SALARY</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>SUNAINA</td> <td>MUMBAI</td> <td>1998-10-15</td> <td>90000</td> </tr> <tr> <td>102</td> <td>ANAMIKA</td> <td>DELHI</td> <td>1994-12-24</td> <td>80000</td> </tr> <tr> <td>103</td> <td>DEEPTI</td> <td>CHANDIGARG</td> <td>2001-12-21</td> <td>82000</td> </tr> <tr> <td>104</td> <td>MEENAKSHI</td> <td>DELHI</td> <td>2002-12-25</td> <td>78000</td> </tr> <tr> <td>105</td> <td>RICHA</td> <td>MUMBAI</td> <td>1996-01-12</td> <td>95000</td> </tr> <tr> <td>106</td> <td>MANIPRABHA</td> <td>CHENNAI</td> <td>2001-12-12</td> <td>69000</td> </tr> </tbody> </table> <p style="text-align: center;">COURSE</p> <table border="1"> <thead> <tr> <th>CID</th> <th>CNAME</th> <th>FEES</th> <th>STARTDATE</th> <th>TID</th> </tr> </thead> <tbody> <tr> <td>C201</td> <td>AGDCA</td> <td>12000</td> <td>2018-07-02</td> <td>101</td> </tr> <tr> <td>C202</td> <td>ADCA</td> <td>15000</td> <td>2018-07-15</td> <td>103</td> </tr> <tr> <td>C203</td> <td>DCA</td> <td>10000</td> <td>2018-10-01</td> <td>102</td> </tr> <tr> <td>C204</td> <td>DDTP</td> <td>9000</td> <td>2018-09-15</td> <td>104</td> </tr> <tr> <td>C205</td> <td>DHN</td> <td>20000</td> <td>2018-08-01</td> <td>101</td> </tr> <tr> <td>C206</td> <td>O LEVEL</td> <td>18000</td> <td>2018-07-25</td> <td>105</td> </tr> </tbody> </table> | TID | TNAME | CITY | HIREDATE | SALARY | 101 | SUNAINA | MUMBAI | 1998-10-15 | 90000 | 102 | ANAMIKA | DELHI | 1994-12-24 | 80000 | 103 | DEEPTI | CHANDIGARG | 2001-12-21 | 82000 | 104 | MEENAKSHI | DELHI | 2002-12-25 | 78000 | 105 | RICHA | MUMBAI | 1996-01-12 | 95000 | 106 | MANIPRABHA | CHENNAI | 2001-12-12 | 69000 | CID | CNAME | FEES | STARTDATE | TID | C201 | AGDCA | 12000 | 2018-07-02 | 101 | C202 | ADCA | 15000 | 2018-07-15 | 103 | C203 | DCA | 10000 | 2018-10-01 | 102 | C204 | DDTP | 9000 | 2018-09-15 | 104 | C205 | DHN | 20000 | 2018-08-01 | 101 | C206 | O LEVEL | 18000 | 2018-07-25 | 105 | (4+2) |
| TID | TNAME | CITY | HIREDATE | SALARY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | SUNAINA | MUMBAI | 1998-10-15 | 90000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | ANAMIKA | DELHI | 1994-12-24 | 80000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | DEEPTI | CHANDIGARG | 2001-12-21 | 82000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | MEENAKSHI | DELHI | 2002-12-25 | 78000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | RICHA | MUMBAI | 1996-01-12 | 95000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 106 | MANIPRABHA | CHENNAI | 2001-12-12 | 69000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CID | CNAME | FEES | STARTDATE | TID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C201 | AGDCA | 12000 | 2018-07-02 | 101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C202 | ADCA | 15000 | 2018-07-15 | 103 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C203 | DCA | 10000 | 2018-10-01 | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C204 | DDTP | 9000 | 2018-09-15 | 104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C205 | DHN | 20000 | 2018-08-01 | 101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C206 | O LEVEL | 18000 | 2018-07-25 | 105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | (i) | Display the Trainer Name, City & Salary in descending order of their Hiredate. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|--|----------|---|---|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| | (ii) | To display the TNAME and CITY of Trainer who joined the Institute in the month of December 2001. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (iii) | To display TNAME, HIREDATE, CNAME, STARTDATE from tables TRAINER and COURSE of all those courses whose FEES is less than or equal to 10000. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (iv) | To display number of Trainers from each city. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (v) | SELECT TID, TNAME, FROM TRAINER WHERE CITY NOT IN('DELHI', 'MUMBAI'); | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (vi) | SELECT DISTINCT TID FROM COURSE; | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (vii) | SELECT TID, COUNT(*), MIN(FEES) FROM COURSE GROUP BY TID HAVING COUNT(*)>1; | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (viii) | SELECT COUNT(*), SUM(FEES) FROM COURSE WHERE STARTDATE< '2018-09-15'; | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | (a) | State any one Distributive Law of Boolean Algebra and Verify it using truth table. | (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (b) | Draw the Logic Circuit of the following Boolean Expression: $((U + V).(U + W)). (V + W')$ | (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (c) | Derive a Canonical SOP expression for a Boolean function F(X,Y,Z) represented by the following truth table: <table border="1" data-bbox="678 1339 980 1682"> <thead> <tr> <th>X</th> <th>Y</th> <th>Z</th> <th>F(X,Y,Z)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>1</td> </tr> <tr> <td>0</td> <td>0</td> <td>1</td> <td>1</td> </tr> <tr> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>0</td> <td>1</td> <td>1</td> <td>0</td> </tr> <tr> <td>1</td> <td>0</td> <td>0</td> <td>1</td> </tr> <tr> <td>1</td> <td>0</td> <td>1</td> <td>0</td> </tr> <tr> <td>1</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table> | X | Y | Z | F(X,Y,Z) | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | (1) |
| X | Y | Z | F(X,Y,Z) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (d) | Reduce the following Boolean Expression to its simplest form using K-Map: F(X,Y,Z,W)= Σ (0,1,2,3,4,5,8,10,11,14) | (3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|-----|--|-----|
| 7 | (a) | Arun opened his e-mail and found that his inbox was full of hundreds of unwanted mails. It took him around two hours to delete these unwanted mails and find the relevant ones in his inbox. What may be the cause of his receiving so many unsolicited mails? What can Arun do to prevent this happening in future? | (2) |
| | (b) | Assume that 50 employees are working in an organization. Each employee has been allotted a separate workstation to work. In this way, all computers are connected through the server and all these workstations are distributed over two floors. In each floor, all the computers are connected to a switch. Identify the type of network? | (1) |
| | (c) | Your friend wishes to install a wireless network in his office. Explain him the difference between guided and unguided media. | (1) |
| | (d) | Write the expanded names for the following abbreviated terms used in Networking and Communications: (i) CDMA (ii) HTTP (iii) XML (iv) URL | (2) |
| | (e) | <p>Multipurpose Public School, Bangluru is Setting up the network between its Different Wings of school campus. There are 4 wings named as SENIOR(S), JUNIOR(J), ADMIN(A) and HOSTEL(H).</p> <p>Multipurpose Public School, Bangluru</p>  | (4) |

Distance between various wings are given below:

| | |
|--------------|------|
| WingAtoWingS | 100m |
| WingAtoWingJ | 200m |
| WingAtoWingH | 400m |
| WingStoWingJ | 300m |
| WingStoWingH | 100m |
| WingJtoWingH | 450m |

Number of Computers installed at various wings are as follows:

| <u>Wings</u> | <u>NumberofComputers</u> |
|--------------|--------------------------|
| WingA | 20 |
| WingS | 150 |
| WingJ | 50 |
| WingH | 25 |

- (i) Suggest the best wired medium and draw the cable layout to efficiently connect various wings of Multipurpose Public School, Bangluru.
- (ii) Name the most suitable wing where the Servers should be installed. Justify your answer.
- (iii) Suggest a device/software and its placement that would provide data security for the entire network of the School.
- (iv) Suggest a device and the protocol that shall be needed to provide wireless Internet access to all smartphone/laptop users in the campus of Multipurpose Public School, Bangluru.

Class XII
History (027)
Sample Question Paper 2018-19

Time allowed-3hrs

Max. Marks -80

General Instructions:

- i. Answer all questions. Some questions have internal choice. Marks are indicated against each question.
- ii. Answer to questions carrying 2 marks (Part A, 1 to 3) should not exceed 30 words each.
- iii. Answer to questions carrying 4 marks (Part B, 4 to 9) should not exceed 100 words each.
- iv. Answer to questions carrying 8 marks (Part C, 10 to 12) should not exceed 350 words each.
- v. Question no 13 to 15 are source based questions.
- vi. Question 16 is map question with two parts - identification and location.

Part A (Very Short Answer Based Questions)

2x3=6

- 1 As per Sanskrit legal texts women did not have access to property. In reference to the norm how is the case of Prabhavati Gupta exceptional? Explain. 2
- 2 Why were the eighteenth and nineteenth century western theorists influenced by the Bernier's description of landownership? 2
- 3 State any two steps taken by Lord Wellesley to clean up the city of Calcutta. 2

OR

State any two features of Neo- Gothic style of architecture.

Part B (Short Answer Based Questions)

4x6=24

- 4 "The problems of archaeological interpretation are perhaps most evident in attempts to reconstruct the religious practices of Harappa". Give suitable arguments in support of your answer. 4
- 5 "There are limits to what epigraphy can reveal." Justify with suitable arguments. 4
- 6 Describe the accounts of foreign travellers about the city of Vijayanagara. 4
- 7 Analyse the diplomatic and political relationship of the Mughals with the neighbouring empires. 4

OR

Analyse the reasons for the frequent shifting of the capital cities of the Mughals during the sixteenth and seventeenth centuries.

- 8 "Through proclamations the rebels of 1857 completely rejected everything associated with British rule or firangi raj". Cite any four aspects to support this statement. 4

OR

"By the 1850s, the Santhals felt that the time had come to rebel against zamindars, moneylenders and the colonial state." Identify aspects related with the statement.

- 9 Why did N G Ranga feel that the minorities should be interpreted in economic terms? Give reasons. 4

Part C (Long Answer Questions)

8x3=24

10 “Brahmanical norms regarding marriage and occupation were not universally followed in ancient times.” Give arguments in support of your answer. 8

11 How did the village panchayat regulate the rural society in the Mughal period? Explain. 8

OR

How do we come to know about the rural society of the Mughal period? Which technologies were used by the peasants during this period? Explain. 4+4

12 Describe the role of Gandhiji as people’s leader from 1917-22? 8

Part D (Source based questions)

7x3=21

13 **Rules for monks and nuns** 7

These are some of the rules laid down in the VinayaPitaka: When a new felt (blanket/rug) has been made by a bhikkhu, it is to be kept for (at least) six years. If after less than six years he should have another new felt (blanket/rug) made, regardless of whether or not he has disposed of the first, then – unless he has been authorised by the bhikkhus – it is to be forfeited and confessed. In case a bhikkhu arriving at a family residence is presented with cakes or cooked grain-meal, he may accept two or three bowlfuls if he so desires. If he should accept more than that, it is to be confessed. Having accepted the two or three bowlfuls and having taken them from there, he is to share them among the bhikkhus. This is the proper course here. Should any bhikkhu, having set out bedding in a lodging belonging to the sangha – or having had it set out – and then on departing neither put it away nor have it put away, or should he go without taking leave, it is to be confessed.

a Explain any two rules governing the lives of the bhikkhus and bhikkhunis. 2

b Why were the bhikkhus and bhikkhunis expected to share their alms with other members of the sangha. 2

c How VinayaPitaka describes the teachings of Buddha. 3

14 **Declining a royal gift** 7

This excerpt from a sufi text describes the proceedings at Shaikh Nizamuddin Auliya’s hospice in 1313: I (the author, Amir Hasan Sijzi) had the good fortune of kissing his (Shaikh NizamuddinAuliya’s) feet ... At this time a local ruler had sent him the deed of ownership to two gardens and much land, along with the provisions and tools for their maintenance. The ruler had also made it clear that he was relinquishing all his rights to both the gardens and land. The master ... had not accepted that gift. Instead, he had lamented: “What have I to do with gardens and fields and lands? ... None of ... our spiritual masters had engaged in such activity.” Then he told an appropriate story: “... Sultan Ghiyasuddin, who at that time was still known as Ulugh Khan, came to visit Shaikh Fariduddin (and) offered some money and ownership deeds for four villages to the Shaikh, the money being for the benefit of the dervishes (sufis), and the land for his use. Smiling, Shaikh al Islam (Fariduddin) said: ‘Give me the money. I will dispense it to the dervishes. But as for those land deeds, keep them. There are many who long for them. Give them away to such persons.’”

- a Examine the suitability of the gifts given by Ulugh Khan to the Sufis? 2
- b Demonstrate the ways through which Sufis dispensed their donations. 2
- c Identify the relationship between the state and the Sufi saints. 3

15 **“Without a shot being fired”**

This is what Moon wrote: For over twenty-four hours riotous mobs were allowed to rage through this great commercial city unchallenged and unchecked. The finest bazaars were burnt to the ground without a shot being fired to disperse the incendiaries (i.e. those who stirred up conflict). The ... District Magistrate marched his (large police) force into the city and marched it out again without making any effective use of it at all ...

- a How did Amritsar become a scene of bloodshed in 1947? 2
- b Analyse the attitude of the soldiers and policemen towards the mob? 2
- c Interpret the reactions of the British administration to the law and order situation in Amritsar in March 1947. 3

OR

“A voice in the wilderness”

7

Mahatma Gandhi knew that his was “a voice in the wilderness” but he nevertheless continued to oppose the idea of Partition:

But what a tragic change we see today. I wish the day may come again when Hindus and Muslims will do nothing without mutual consultation. I am day and night tormented by the question what I can do to hasten the coming of that day. I appeal to the League not to regard any Indian as its enemy ... Hindus and Muslims are born of the same soil. They have the same blood, eat the same food, drink the same water and speak the same language.

SPEECH AT PRAYER MEETING, 7 SEPTEMBER 1946, CWMG, VOL. 92, P.13

- a. Highlight the concern of Mahatma Gandhi on the idea of partition. 2
- b. “Mahatma Gandhi knew that his was a voice in the wilderness”. Analyse the reasons behind it. 2
- c. How did Gandhiji try to restore communal harmony amongst the masses of India? 3

Part E (Map Question)

2+3=5

- 16a On the given political outline map of India, locate and label the following with appropriate symbols: 2
 - a) Banawali, the mature Harappan site **OR** Sanchi stupa
 - b) Chandragiri **OR** Vijayanagara

- 16 b On the same outline map of India, three places related to the Revolt of 1857 have been marked as A, B and C. Identify them and write their names on the lines drawn near them. 3

Note: The following questions are for the Visually Impaired Candidates only in lieu of Q. No. 16.

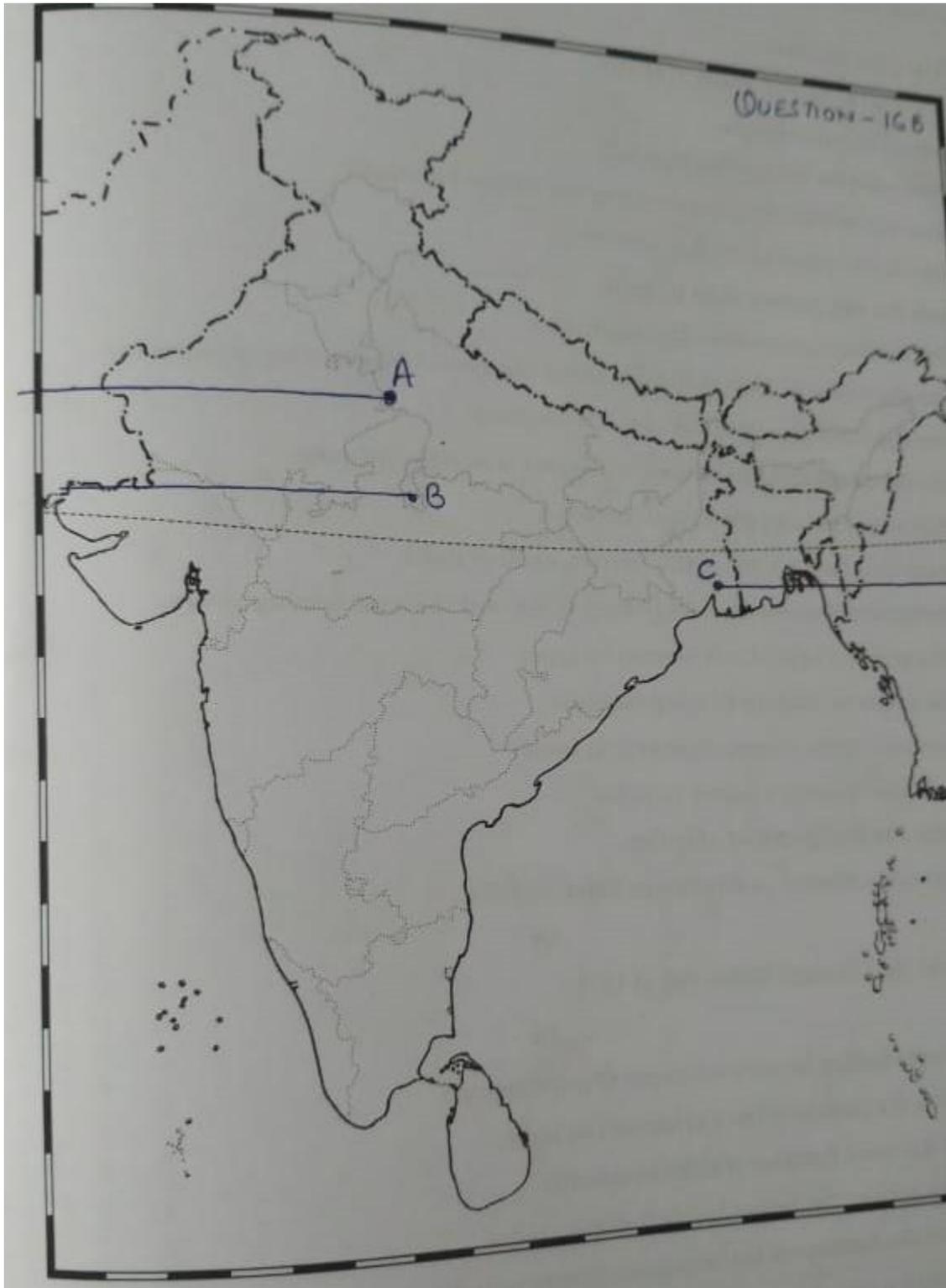
- 16a Name any two mature Harappan sites. 2

OR

Name any two Territories under Babur, Akbar and Aurangzeb.

16b Mention any three places related to the Revolt of 1857.

3



CLASS – XII
POLITICAL SCIENCE (Code - 028)
SAMPLE QUESTION PAPER 2018-19

Time allowed: 3:00 Hrs

M.M. 100

General Instructions

- a) The question paper is divided into A, B, C, D and E Sections.
- b) All Questions are compulsory.
- c) Question Nos. 1 to 5 carries 1 mark each. Answer should not exceed 20 words each.
- d) Question Nos. 6 to 10 carries 2 marks each. Answer should not exceed 40 words each.
- e) Question Nos. 11 to 16 carries 4 marks each. Answer should not exceed 100 words each.
- f) Question Nos. 17 to 21 carries 5 marks each. Answer should not exceed 150 words each.
- g) Question No. 21 is a map-based question. Write its answer in your answer book.
- h) Question Nos. 22 to 27 carries 6 marks each. Answer should not exceed 150 words each.

SECTION A: ONE MARK QUESTIONS

1. Which of the following statements are Incorrect about the contemporary world order?
 - a) There is an absence of world government which could regulate the state's behavior.
 - b) The US is the predominant player in the world affairs.
 - c) States are using force against one another.
 - d) States which violate international law are severely punished by the UN.

2. Suggest one argument in support of the establishment of NIEO in the World.

OR

Why the dropping of Atom bombs on Japan by US towards the end of Second World War widely criticized?

3. Which two countries of the South Asian region in your opinion have retained their democratic tradition since Independence?

OR

Suggest any one measure to improve Indo-Pak ties in the current scenario.

4. Indira Gandhi's imposition of National Emergency in 1975 cannot be justified. Give one argument.

5. Why the ongoing environmental movements are opposing the construction of mega dams?

SECTION B: TWO MARK QUESTIONS

6. Match the following:-

- | | | |
|---------------------|---|--|
| A. Anti Congressism | – | I. A group of powerful and influential leaders within the congress |
| B. Slogan | | II. Parties with different ideological position coming together to oppose congress and its policies. |
| C. Defection | | III. A catchy phrase that attracts public attention. |
| D. Syndicate | | IV. An elected representative leaving the party whose ticket she/he has been elected. |

7. How far is it correct to describe the ‘First Gulf War’ as the first act of US Hegemony in the post cold war period?

OR

The UN along with many other countries of the world refused to give their mandate to ‘Operation Iraqi Freedom’? Elucidate their stand.

8. Analyze the implication of partition on India.

OR

How the formation of linguistic states helped in strengthening the foundation of democracy and the process of national integration in India.

9. Why different arenas of cold war did not convert into a hot war between the two alliances.

OR

Identify any one occasion/ instance where cold war between the two super powers became a simple struggle for power by ignoring the ideological dimension.

10. In spite of communal partition, India was not declared a ‘Hindu State’. How the leaders of Indian National Congress defended the adoption of “secularism” in India?

SECTION C: FOUR MARKS QUESTIONS

11. Identify the factors that contributed to Pakistan’s failure in building a stable democracy?

OR

Briefly explain two positive and two negative developments in Indo-Bangladesh relations.

12. Examine four important components of traditional notion of security.

13. Assess the major consequences of disintegration of USSR on India.

14. "China followed its own path in introducing a market economy". Justify this statement with four suitable arguments?

OR

How far is it correct to describe ASEAN as an alternative Centre of power in the world?

15. State the political impact of globalization on the world?

16. What was the impact of Imposition of National Emergency (1975) on party system in India?

OR

What were the factors that led to the popularity of India Gandhi's government in the early 1970's?

SECTION D: FIVE MARKS QUESTIONS

17. Read the following passage and answer the following questions-

There is a growing significance of environmental as well as resource issues in the world politics. If the various governments take steps to check environmental degradation, these issues will have political consequences. Most of them are such that no single government can address them fully. At the Rio Summit, the first world countries were pursuing a different environmental agenda than the third world countries. The Indian government is already participating in global efforts through a number of programmes. India's International negotiating position relies heavily on the principles of UNFCCC.

- i. How the first World countries pursued a different environmental agenda from the third world countries? 2
- ii. The issue of global warming has deeply affected the world. Substantiate the statement with three examples. 3

OR

Read the following passage and answer the questions below-

Globalization as a concept fundamentally deals with flows. These flows could be of various kinds- Ideas moving from one part of the world to another, capital shunted between two or more places, commodities being traded across borders, and people moving in search of better livelihoods to different parts of the world. The crucial element is the worldwide 'interconnectedness' that is created and sustained as a consequence of these constant flows. Globalization is a multi-dimensional concept. It has political, economic and cultural manifestations and these must be adequately distinguished.

- i. “Globalization is a multi-dimensional concept”. Justify. 1
- ii. In Globalization, the crucial element is the ‘worldwide interconnectedness’. Substantiate the statement with two suitable examples. 2
- iii. How the disintegration of USSR helped in spreading globalization across the world? 2

18. Read the given passage and answer the following questions.

The Naxalite movement has used force to snatch land from the rich landowners and give it to the poor and the landless. Its supporters advocated the use of violent means to achieve their political goals. In spite of the use of preventive of detention and other strong measures adopted by the West Bengal government run by the Congress Party, the Naxalite movement did not come to an end. In later years, it spread to many other parts of the country. The Naxalite Movement has by now splintered into various parties and organizations. Some of these parties like the CPI-ML (Liberation) participate in open democratic politics. Nine states are affected by Naxalite violence. Most of these are very backward areas inhabited by Adivasis.

- a) Why was Naxalite movement considered as a threat to the democracy? 2
- b) How the Naxalite movement came into existence? 2
- c) Why the role of Indian government has been criticized by various Human Rights Activist in dealing with Naxalities? 1

OR

Read the given passage and answer the following questions:

The year 1967 is considered as a landmark year in India’s political and electoral history. The Congress party remained a dominant force throughout the country from 1952 onwards. This trend was to undergo significant changes with the 1967 elections... It was in the context of heightened popular discontent and the polarization of popular forces that the fourth general elections of the Lok Sabha and State assemblies were held in February 1967. The results jolted the Congress at both the national and state levels. Many contemporary political observers described the elections as a political earthquake.

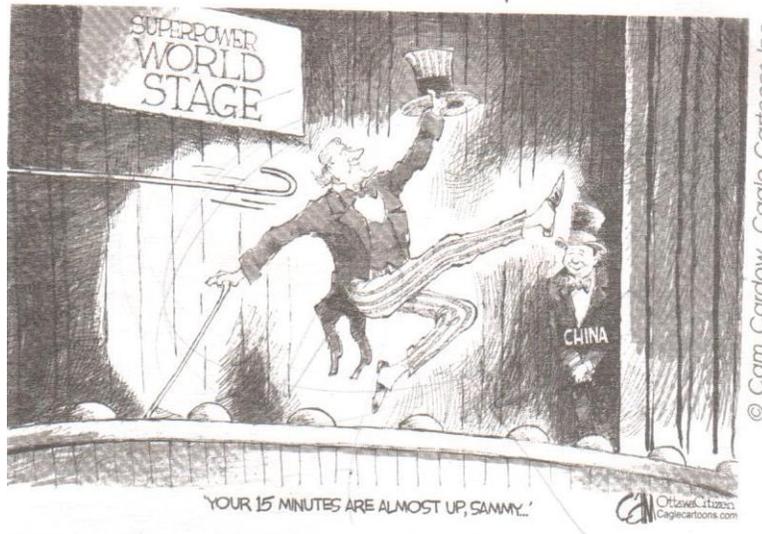
- a) Analyze the socio-economic and political context of fourth general elections in India. 3
- b) Why the 1967 general elections were described as a ‘political earthquake’ by many political observers? 2

19. Read the passage and answer the questions that follow.

Article 370 gives greater autonomy to Jammu and Kashmir as compared to other states of India. The state has its own constitution. All provisions of the Indian constitution are not applicable to the state. Laws passed by the Parliament apply to J&K only if the state agrees. This special status has provoked two opposite reactions. There is a section of people outside J&K that believe that the special status of the state conferred by article 370 does not allow full integration of the state with India. This section feels that Article 370 should therefore be revoked and J&K should be like any other state in India.

- a) The people of Kashmir have strongly resisted the question of repeal of article 370 from Indian Constitution. Analyze any three reasons for the same. 3
- b) Suggest any two steps that can be taken to improve the situation in Kashmir. 2

20. Interpret the given picture and answer the following questions:-

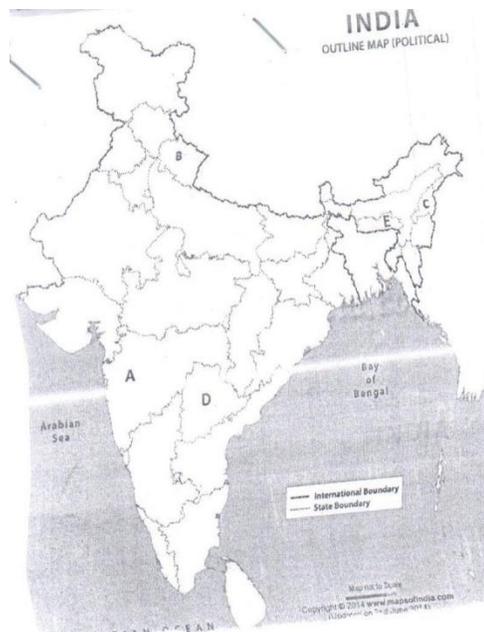


- a) The US hegemony is being constrained in the current scenario. Justify with two suitable examples. 2
- b) Assess the steps taken by India to deal with US hegemony in the current scenario. 3

Note: The following **questions are for the visually impaired students.**

- a) The present world order is different from the cold war period. Justify 2
- b) Assess the implications of the US Hegemony economic terms on the world. 3

21.



In the given political outline map of India, five states have been marked as (A), (B), (C), (D), and (E). Identify these states on the basis of the information given below and write their correct names in your answer book along with their respective serial number of the information used and the concerned alphabets as per the following format.

- i) A state where Chipko movement was carried out.
- ii) A state that was carved out of Assam in 1972.
- iii) A North eastern state that is suffering from separatist movement.
- iv) A latest state of Indian Union.
- v) A state where an organization of dalit panthers was formed.

Note: The following question is for the visually impaired children in lieu of Q 21.

- i) State which was the protectorate of India but became 22nd state of Indian Union.
- ii) In which year Goa became a state of Indian Union.
- iii) State where the Chipko Movement began.
- iv) State where the operation Blue Star was launched.
- v) A state associated with the formation of DK, DMK and AIADMK political parties.

SECTION E: SIX MARKS QUESTIONS

22. State the causes responsible for the rise of Congress system in India.

OR

Highlight the political ideology of the Communist Party of India.

23. Describe the crucial role played by India in the NAM during cold war period.

OR

Mention the limitations of USSR that led to its disintegration.

24. Assess any six outcomes of planning in India.

OR

The three challenges faced by India, at the time of Independence are yet to be resolved completely. Do you agree with the statement? Give three reasons in support of your answer.

25. How can we deal with various contemporary threats to security?

OR

Reforming the UN means restructuring of the Security Council. Suggest measures to reform UNSC.

26. The political leadership of a nation affects its foreign policy. Explain it with the help of examples from Indian Foreign Policy.

OR

In spite of strongly propagating for nuclear disarmament, India herself conducted a nuclear test in 1998. Analyze the possible reasons behind such a development. Also state any four important features of India's Nuclear Policy.

27. Trace the emergence of BJP as a significant force in Indian politics since late 1980s.

OR

Examine the emergence, demands and success of BKU as one of the leading popular movement of India.

MATHEMATICS

Time allowed : 3 hours

Maximum Marks: 100

General Instructions:

1. All questions are compulsory.
2. This question paper contains 29 questions.
3. Questions 1 – 4 in Section A are very short-answer type questions carrying 1 mark each.
4. Questions 5 – 12 in Section B are short-answer type questions carrying 2 marks each.
5. Questions 13 – 23 in Section C are long-answer I type questions carrying 4 marks each.
6. Questions 24 – 29 in Section D are long-answer II type questions carrying 6 marks each.

Section A

1. If A and B are invertible matrices of order 3, $|A| = 2$ and $|(AB)^{-1}| = -\frac{1}{6}$. Find $|B|$.
2. Differentiate $\sin^2(x^2)$ w.r.t x^2 .
3. Write the order of the differential equation:

$$\log\left(\frac{d^2y}{dx^2}\right) = \left(\frac{dy}{dx}\right)^3 + x$$

4. Find the acute angle which the line with direction cosines $\frac{1}{\sqrt{3}}, \frac{1}{\sqrt{6}}, n$ makes with positive direction of z-axis.

OR

Find the direction cosines of the line: $\frac{x-1}{2} = -y = \frac{z+1}{2}$

Section B

5. Let $A = Z \times Z$ and $*$ be a binary operation on A defined by $(a, b)*(c, d) = (ad + bc, bd)$.

Find the identity element for $*$ in the set A.

6. If $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$ and $I = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$, find k so that $A^2 = 5A + kI$.

7. Find : $\int \frac{(x^2 + \sin^2 x) \sec^2 x}{1 + x^2} dx$

8. Find: $\int \frac{e^x (x-3)}{(x-1)^3} dx$

OR

Find: $\int \frac{(x^4 - x)^{\frac{1}{4}}}{x^5} dx$

9. Form the differential equation of all circles which touch the x-axis at the origin.

10. Find the area of the parallelogram whose diagonals are represented by the vectors

$$\vec{a} = 2\hat{i} - 3\hat{j} + 4\hat{k} \text{ and } \vec{b} = 2\hat{i} - \hat{j} + 2\hat{k}$$

OR

Find the angle between the vectors

$$\vec{a} = \hat{i} + \hat{j} - \hat{k} \text{ and } \vec{b} = \hat{i} - \hat{j} + \hat{k}$$

11. If A and B are two independent events, prove that A' and B are also independent.

12. One bag contains 3 red and 5 black balls. Another bag contains 6 red and 4 black balls. A ball is transferred from first bag to the second bag and then a ball is drawn from the second bag. Find the probability that the ball drawn is red.

OR

If $P(A) = 0.6$, $P(B) = 0.5$ and $P(A|B) = 0.3$, then find $P(A \cup B)$.

Section C

13. Prove that the function $f: [0, \infty) \rightarrow \mathbf{R}$ given by $f(x) = 9x^2 + 6x - 5$ is not invertible. Modify the codomain of the function f to make it invertible, and hence find f^{-1} .

OR

Check whether the relation R in the set \mathbf{R} of real numbers, defined by

$R = \{(a, b) : 1 + ab > 0\}$, is reflexive, symmetric or transitive.

14. Find the value of : $\sin\left(2 \tan^{-1} \frac{1}{4}\right) + \cos(\tan^{-1} 2\sqrt{2})$

15. Using properties of determinants, prove that:

$$\begin{vmatrix} a & b-c & c+b \\ a+c & b & c-a \\ a-b & b+a & c \end{vmatrix} = (a+b+c)(a^2+b^2+c^2)$$

16. If $y = x^{\sin x} + \sin(x^x)$, find $\frac{dy}{dx}$

OR

If $y = \log(1+2t^2+t^4)$, $x = \tan^{-1}t$, find $\frac{d^2y}{dx^2}$

17. If $y = \cos(m \cos^{-1} x)$

Show that: $(1-x^2)\frac{d^2y}{dx^2} - x\frac{dy}{dx} + m^2y = 0$

18. Find the equations of the normal to the curve $y = 4x^3 - 3x + 5$ which are perpendicular to the line $9x - y + 5 = 0$.

19. Find: $\int \frac{x^4+1}{x(x^2+1)^2} dx$

20. Evaluate: $\int_{-1}^1 \frac{x+|x|+1}{x^2+2|x|+1} dx$

21. Find the particular solution of the following differential equation.

$$\cos y dx + (1 + 2e^{-x}) \sin y dy = 0; y(0) = \frac{\pi}{4}$$

OR

Find the general solution of the differential equation:

$$\frac{dx}{dy} = \frac{y \tan y - x \tan y - xy}{y \tan y}$$

22. If $\vec{p} = \hat{i} + \hat{j} + \hat{k}$ and $\vec{q} = \hat{i} - 2\hat{j} + \hat{k}$, find a vector of magnitude $5\sqrt{3}$ units perpendicular to the vector \vec{q} and coplanar with vectors \vec{p} and \vec{q} .

23. Find the vector equation of the line joining $(1, 2, 3)$ and $(-3, 4, 3)$ and show that it is perpendicular to the z-axis.

Section D

24. If $A = \begin{bmatrix} 3 & 1 & 2 \\ 3 & 2 & -3 \\ 2 & 0 & -1 \end{bmatrix}$, find A^{-1} .

Hence, solve the system of equations:

$$3x + 3y + 2z = 1$$

$$x + 2y = 4$$

$$2x - 3y - z = 5$$

OR

Find the inverse of the following matrix using elementary transformations.

$$\begin{bmatrix} 2 & -1 & 3 \\ -5 & 3 & 1 \\ -3 & 2 & 3 \end{bmatrix}$$

25. A cuboidal shaped godown with square base is to be constructed. Three times as much cost per square meter is incurred for constructing the roof as compared to the walls. Find the dimensions of the godown if it is to enclose a given volume and minimize the cost of constructing the roof and the walls.

26. Find the area bounded by the curves $y = \sqrt{x}$, $2y + 3 = x$ and x -axis.

OR

Find the area of the region.

$$\{(x, y) : x^2 + y^2 \leq 8, x^2 \leq 2y\}$$

27. Find the equation of the plane through the line $\frac{x-1}{3} = \frac{y-4}{2} = \frac{z-4}{-2}$ and parallel to the

line $\frac{x+1}{2} = \frac{1-y}{4} = \frac{z+2}{1}$. Hence, find the shortest distance between the lines.

OR

Show that the line of intersection of the planes $x + 2y + 3z = 8$ and $2x + 3y + 4z = 11$ is coplanar with the line $\frac{x+1}{1} = \frac{y+1}{2} = \frac{z+1}{3}$. Also find the equation of the plane containing

them.

28. A manufacturer makes two types of toys A and B. Three machines are needed for this purpose and the time (in minutes) required for each toy on the machines is given below:

| Types of Toys | Machines | | |
|---------------|----------|----|-----|
| | I | II | III |
| A | 20 | 10 | 10 |
| B | 10 | 20 | 30 |

The machines I, II and III are available for a maximum of 3 hours, 2 hours and 2 hours 30 minutes respectively. The profit on each toy of type A is ₹ 50 and that of type B is ₹ 60. Formulate the above problem as a L.P.P and solve it graphically to maximize profit.

29. The members of a consulting firm rent cars from three rental agencies: 50% from agency X, 30% from agency Y and 20% from agency Z. From past experience it is known that 9% of the cars from agency X need a service and tuning before renting, 12% of the cars from agency Y need a service and tuning before renting and 10% of the cars from agency Z need a service and tuning before renting. If the rental car delivered to the firm needs service and tuning, find the probability that agency Z is not to be blamed.