

**ANSWER KEY**  
**HSE Examination Sep 2021(Plus One)**  
**Subject: ECONOMICS Code: FY 235**

Qsn no	Answer	Marks	Total						
1( a)	(iii)International Bank for Reconstruction and Development	1	1						
(b)	(II)Secondary Data	1	1						
(c)	(i) Dadabhai Naoroji	1	1						
(d)	(iv)Electricity	1	1						
(e)	(iv)Class frequency	1	1						
(f)	(iv)Difference between highest number and lowest number in the class	1	1						
(g)	(iii)Land degradation	1	1						
(h)	(ii)Ogives	1	1						
(i)	(i)Self employed	1	1						
(j)	(iii) Wholesale Price Index	1	1						
(k)	(iv)Employment level	1	1						
(l)	(i)Totality of items under study	1	1						
2	To establish a rule based trading regime, To enlarge production and trade of services, To ensure optimum utilization of world resources, to protect the environment, To provide equal opportunities to all member countries in international market, To administer all multilateral trade agreements, etc. (Any 2 points)	2X1	2						
3	Total planetary inheritance and totality of all resources. It includes all biotic and abiotic factors.(Or any other valid points of environment)	2	2						
4	<table border="1" style="width: 100%;"> <tr> <td>Spatial classification</td> <td>chronological classification</td> </tr> <tr> <td>Population of India</td> <td>Rate of unemployment in 2018</td> </tr> <tr> <td>GDP of China</td> <td>Crude oil price in 2020</td> </tr> </table>	Spatial classification	chronological classification	Population of India	Rate of unemployment in 2018	GDP of China	Crude oil price in 2020	4 X1/2	2
Spatial classification	chronological classification								
Population of India	Rate of unemployment in 2018								
GDP of China	Crude oil price in 2020								
5	(ii)Number of students in a classroom (iii)Number of fishes in a tank	2X1	2						
6	Right diagram showing perfect positive correlation Right diagram showing negative correlation	1 1	2						
7	The value of r is a pure number and has no unit Positive value of r indicates direct relationship Negative value of r indicates inverse relationship The value of r lies in between -1 and +1, etc. (Any 2 correct answers)	2X1	2						
8	Equation $210/155 \times 100 = 135.48$	1 1	2						
9	All the three countries had started their development path at the same time All the three countries had started their planning their development strategies in similar way All the three countries had similar growth rates and PCI till 1980's, etc. (Any 2 correct value points)	2X1	2						
10	Deforestation Shifting cultivation Forest fires and over grazing Improper crop rotation, etc. (Any 2 correct answers)	2X1	2						

11	Quantitative data	Qualitative data	4X1/2	2												
	Marks of students in Economics	Intelligence of a student														
	Income of labourers	Health of labourers														
12	<p>Landless or very small land holding Possess fewer assets Chronic indebtedness Unstable employment Starvation and hunger, etc. (Any 2 correct answers)</p>		2X1	2												
13	<p>Use of environment supportive fuel Recycling and ban on plastic Controlling pollution Over exploitation of resources should be reduced, etc. (or any other 2 correct answers)</p>		2X1	2												
14	<p>Financial crisis/Increase in fiscal, revenue and current account deficit Rise in prices of essential goods Foreign exchange crisis Refusal of loan by IMF and IBRD Decline in Exports Political instability, etc. (Any three correct points)</p>		3X1	3												
15	<p>Substitute costlier agricultural inputs with locally produced organic inputs Generate income through exports Uses ecofriendly technology Provides healthy foods Restores and maintains ecological balance Pesticide free products Organically produced goods has more nutritional value, etc. (Any three correct points)</p>		3X1	3												
16	<p>Supplies resources Sustains life by providing genetic and bio diversity Assimilate wastes</p>		3X1	3												
17	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Class</th> <th style="text-align: left;">Frequency</th> </tr> </thead> <tbody> <tr> <td>-0.5 - 7.5</td> <td>15</td> </tr> <tr> <td>7.5 - 14.5</td> <td>15</td> </tr> <tr> <td>14.5 -21.5</td> <td>14</td> </tr> <tr> <td>21.5 -28.5</td> <td>11</td> </tr> <tr> <td>28.5 -35.5</td> <td>5</td> </tr> </tbody> </table> <p>(Any attempt give 3 marks)</p>		Class	Frequency	-0.5 - 7.5	15	7.5 - 14.5	15	14.5 -21.5	14	21.5 -28.5	11	28.5 -35.5	5	3	3
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18	<p>Pilot survey is a survey conducted on a small scale before launching actual survey.(Or Pilot survey helps in providing preliminary ideas about the survey. It is the pre-test of the questionnaire) Can assess the suitability of questions Can identify shortcomings and drawbacks of questionnaire Can assess the time needed for actual survey Can assess the cost needed for actual survey Can assess the performance of enumerators, etc. (Any 2 merits)</p>		1       2	3												

19	(i) Consumer (ii) Producer (iii) Employee/ Worker/ Labourer	1 1 1	3																								
20	Commercial energy is used for commercial purposes/ Generally exhaustible Noncommercial energy is used for noncommercial purposes/ Generally renewable Commercial : Coal, Petroleum, Electricity, Lignite (Any 2) Noncommercial: Firewood, Dried dung, Agricultural waste (Any2)	1 1 1/2 1/2	3																								
21	1. Identifying a problem/ area of study 3. Collection of data 4. Organization and presentation of data 5. Analysis and interpretation 6. Conclusion 7. Bibliography	6X1/2	3																								
22	Plotting values and drawing diagram	3	3																								
23	Agricultural stagnation and backwardness Slow rate of economic development Destruction of indigenous industries, etc. (Or any other correct answers)	3X1	3																								
24	Social, economic and political inequality Social exclusion Unemployment Indebtedness Low level of education and skill Discrimination Lack of social welfare nets Unequal distribution of wealth, etc. (Any 4 correct points)	4X1	4																								
25	Public investment in agricultural sector has fallen during the period Shift of production for the domestic market to export market Industrial growth declined Cheaper imports replaced the demand for domestic goods Reduction in import duties on agricultural products Did not generate sufficient employment opportunities Increase in FDI and FII Rapid increase in foreign exchange reserve, etc. (Any 4 correct points-positive or negative impacts)	4X1	4																								
26	<table border="1"> <thead> <tr> <th>Wages</th> <th>F</th> <th>CF</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>5</td> <td>5</td> </tr> <tr> <td>25</td> <td>7</td> <td>12</td> </tr> <tr> <td>30</td> <td>6</td> <td>18</td> </tr> <tr> <td>35</td> <td>10</td> <td>28</td> </tr> <tr> <td>40</td> <td>5</td> <td>33</td> </tr> <tr> <td>45</td> <td>4</td> <td>37</td> </tr> <tr> <td>50</td> <td>4</td> <td>41</td> </tr> </tbody> </table> <p> <math>Q1 = N+1/4</math> th item = 10.5 th item = 25  <math>Q3 = 3(N+1/4)</math> th item = 31.5 th item = 40  <math>QD = Q3 - Q1/2 = 40 - 25/2 = 7.5</math>  Coefficient of QD = <math>Q3 - Q1 / Q3 + Q1 = 15/65 = 0.23</math> </p>	Wages	F	CF	20	5	5	25	7	12	30	6	18	35	10	28	40	5	33	45	4	37	50	4	41	1 1 1 1	4
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27	<p>It enables to present economic facts in precise and definite form  Condensing mass of data in to a few numerical measures  Used to find out relationships  Used to predict changes in economic factors  Formulation of plans  Helps in the field of production, consumption, distribution, etc.  Helps to understand social issues, etc.  (Any 4 correct points)</p>	4X1	4										
28	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><b>A</b></td> <td style="text-align: center;"><b>B</b></td> </tr> <tr> <td>(1) Histogram</td> <td>Mode can be located</td> </tr> <tr> <td>(2) Ogives</td> <td>Cumulative frequency curves</td> </tr> <tr> <td>(3) Pie diagram</td> <td>A circle divided in to component parts</td> </tr> <tr> <td>(4) Arithmetic Line graphs</td> <td>Time series graph</td> </tr> </table>	<b>A</b>	<b>B</b>	(1) Histogram	Mode can be located	(2) Ogives	Cumulative frequency curves	(3) Pie diagram	A circle divided in to component parts	(4) Arithmetic Line graphs	Time series graph	4X1	4
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29	<p>Question should not be too long  Question should be easy to understand  Questions should move from general to specific  Question should be precise and clear  Number of Question should be minimum  Type of Question should be two way, multiple choice or open ended  Question should not use double negatives  Question should not be ambiguous, etc.  ( Any 4 correct points)</p>	4X1	4										
30	<p>Land Reform  Land Ceiling  Explanation for Land Reform and Land Ceiling</p>	1 1 1+1	4										
31	<p>Availability of hospitals, dispensaries, sub centers, doctors, nurses, para medical staffs, beds, CFLTC, Covid Vaccination/ any relevant points of government initiation for covid control  (Any relevant points related to health infrastructure in Kerala, give full score)</p>	4	4										
32	<p>Industrial licensing abolished  Reservation of small scale industries removed  Regulating mechanism were removed  Reduced the role of RBI  Establishment of private sector banks  Control on price fixation of selected industrial products removed  De reservation of public sector except defence equipments,etc  Banks were permitted to generate resources from India and abroad, etc.  ( Any 5 correct points)</p>	5X1	5										
33	<p>In sufficient installed capacity and its under utilization  Huge losses of State Electricity Boards(Transmission and Distribution loss)  Very limited role of private sector power generation  Public unrest due to high power tariff, power cuts, etc.  Shortage of raw materials and coal supplies in thermal power plants</p>	5X1	5										
34	<p>The difference between actual value and estimated value  Sampling bias, Non-response errors, Errors in data acquisition,  Recording errors, Arithmetical errors,  Errors due to mishandling questionnaire, etc.  (Any 3 non sampling errors)</p>	2  3	5										

35	Calculation of angles Correct drawing of Pie diagram	2 3	5													
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36	Education Health On the job training Migration Information Listing the points Brief explanation of each	5X1/2 5X1/2	5													
37	Preparation of correct exclusive class Tally mark Frequency (Preparation of inclusive class, give 2 score)	2 2 1	5													
38	Growth oriented approach/ Trickle down theory Self-employment and wage employment programmes Providing minimum basic amenities Any 5 programmes under three approaches with explanation (Listing the name of programmes only, give 4 score, Entry level 2 Score)	1 1 1 5	8													
39	Development that meets the needs of the present generation without compromising the ability of the future generation to meet their own needs/ or any other relevant meaning of sustainable development Any 5 strategies with explanation (Listing strategies only, give ½ score each)	2 6	8													
40	Less than CF table	1 ½	8													
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41	Wages	F	M	FM	CF	1 2 1  1 2 1	8
	10-20	15	15	225	15		
	20-30	10	25	250	25		
	30-40	5	35	175	30		
	40-50	2	45	90	32		
	50-60	8	55	440	40		
	60-70	10	65	650	50		
		50		1830			
Arithmetic Mean Equation							
Process of calculation							
Correct answer= 36.6							
Median is the $n/2$ the item =25							
Median class is 20-30							
Equation of Median $L + n/2 - Cf/f \times h$							
Process of calculation							
Correct answer = 30							

### Scheme Finalization team

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